Switchboards

Section 10

GE Fastrac Program Service Switchboards

GE Fastrac Program includes the full range of Switchboards in a variety of ratings and configurations.

Product is available from six regional manufacturing locations! Lead times of 2 weeks to 4 weeks available!

Contact your local GE sales office for more details.

New from GE!

- -New Record Plus Breakers available in Switchboards!
- —30 Cycle 65kAIC ratings available contact your local GE sales office for details!

For more information on these products, order publications from Sections 22 and 23.

Application Data

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Publications and Reference: See Section 22 for a complete list of additional product-related publications

Section 10

Switchboards Group Mounted Switchboards Merchandised and Metering Jiffy II-Spectra® EUSERC West Coast Utility Applications

The GE Jiffy II® Service Entrance Switchboard is designed especially to address the requirements of your small project needs. The compact unit combines the electrical distribution panel, the main service disconnect and the utility metering compartment into one space-saving unit, delivering maximum installation opportunities.

The switchboard is floor mounted and rated up to a maximum 1000A, 100kAIC @ 480V. At 25" deep, the electrical distribution board easily fits into the tightest areas. A full line of field installable digital solid state electronic trip molded-case breakers is also available. With a combination of superior features and options, the GE Jiffy II® not only meets your space saving needs, but also offers total flexibility in design to meet the requirements of the project.

Primary Features

- —Switchboard Styled NEMA Type 1 Indoor or NEMA 3R Enclosure
- -1000A Heat Rated Bus Max. 100kAIC @ 480V Max.
- -Ground Fault Protection Optional
- –Left or Right Hand Pull Sections
- —Top or Bottom Feed
- -UL, EUSERC Approved
- —14X, 18X, 23X of Device Space for Feeder Breakers, Bolt-on Construction
- -Seismic IBC Zone 4, CBC Zone 4, UBC Zone 4
- -Heat Rated Aluminum or Heat Rated Copper Bus
- -Accepts Aluminum or Copper Incoming Cable
- -35"W Bolt-on (45"W Plug-in) x 90"H x 25"D (Main Only)
- -35"W x 90"H x 25"D (Bussed Pull Section)
- —Add 11" Depth for NEMA 3R





Switchboards Group Mounted Switchboards Merchandised and Metering Jiffy II-Spectra® EUSERC West Coast Utility Applications

Instructions

- -Drawings Included (Feed to Right STD)
- -Be sure Utility Kit Size matches Distribution Section
- -Fused Switch Distribution Section 45"W
- -Fused Distribution Service Disconnect only
- -No Fusible Main Device available

-23X Spectra® Interior available for Distribution -For Meter Main applications use suffix MM; includes Add On Lug Kit

Example: JF63BAW-MM Jiffy Switchboard 600A Bottom Feed, Aluminum Bus, NEMA 3R, 600A Fused Switch Only, No Distribution

Fused Switch MLO Service Disconnect (6 Handle Rule) 45"W

						List Price
Enclosure	Incoming	Max. Amp	Service	Bus Material	Product Number	GO-108Q
NEMA Type 1	Top Feed	400 A	3PH, 4W	Cu	JF43TC	\$5986.82
NEMA Type 1	Top Feed	400 A	3PH, 4W	Al	JF43TA	\$4789.45
NEMA Type 1	Top Feed	400 A	1PH, 3W	Al	JF41TA	\$3414.22
NEMA Type 1	Top Feed	600 A	3PH, 4W	Cu	JF63TC	\$6238.18
NEMA Type 1	Top Feed	600 A	3PH, 4W	Al	JF63TA	\$4989.78
NEMA Type 1	Top Feed	600 A	1PH, 3W	Al	JF61TA	\$3641.58
NEMA Type 1	Top Feed	800 A	3PH, 4W	Cu	JF83TC	\$7058.18
NEMA Type 1	Top Feed	800 A	3PH, 4W	Al	JF83TA	\$5646.54
NEMA Type 1	Top Feed	800 A	1PH, 3W	Al	JF81TA	\$4274.96
NEMA Type 1	Bottom Feed Pull Section Included	400 A	3PH, 4W	Cu	JF43BC	\$7876.19
NEMA Type 1	Bottom Feed Pull Section Included	400 A	3PH, 4W	Al	JF43BA	\$6300.96
NEMA Type 1	Bottom Feed Pull Section Included	400 A	1PH, 3W	Al	JF41BA	\$4774.57
NEMA Type 1	Bottom Feed Pull Section Included	600 A	3PH, 4W	Cu	JF63BC	\$8549.31
NEMA Type 1	Bottom Feed Pull Section Included	600 A	3PH, 4W	Al	JF63BA	\$6501.27
NEMA Type 1	Bottom Feed Pull Section Included	600 A	1PH, 3W	Al	JF61BA	\$5260.74
NEMA Type 1	Bottom Feed Pull Section Included	800 A	3PH, 4W	Cu	JF83BC	\$8947.56
NEMA Type 1	Bottom Feed Pull Section Included	800 A	3PH, 4W	Al	JF83BA	\$7158.03
NEMA Type 1	Bottom Feed Pull Section Included	800 A	1PH, 3W	Al	JF81BA	\$5575.00
NEMA Type 1	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Cu	JF103BC	\$9941.00
NEMA Type 1	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Al	JF103BA	\$7953.39
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	3PH, 4W	Cu	JF43BCW	\$12448.85
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	3PH, 4W	Al	JF43BAW	\$9959.07
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	1PH. 3W	Al	JF41BAW	\$7998.20
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	3PH, 4W	Cu	JF63BCW	\$12603.88
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	3PH, 4W	Al	JF63BAW	\$10083.15
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	1PH, 3W	Al	JF61BAW	\$8297.31
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	3PH, 4W	Cu	JF83BCW	\$13427.68
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	3PH, 4W	Al	JF83BAW	\$10741.65
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	1PH, 3W	Al	JF81BAW	\$9219.25
NEMA Type 3R	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Cu	JF103BCW	\$13261.86
NEMA Type 3R	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Al	JF103BAW	\$12558.90
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Cu	JF43TCW	\$8366.92
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Al	JF43TAW	\$6755.95
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	400 A	1PH. 3W	Al	JF41TAW	\$5184.08
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	600 A	3PH, 4W	Cu	JF63TCW	\$8203.73
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	600 A	3PH, 4W	Al	JF63TAW	\$6956.28
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	600 A	1PH. 3W	Al	JF61TAW	\$5691.74
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	800 A	3PH, 4W	Cu	JF83TCW	\$9024.68
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	800 A	3PH, 4W	Al	JF83TAW	\$7613.03
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	800 A	1PH, 3W	Al	JF81TAW	\$5835.33
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	1000 A	3PH, 4W	Cu	N/A	N/A
NEMA Type 3R	Top Feed N3R Includes Separate Utility Landing Section	1000 A	3PH, 4W	Al	N/A	N/A



Switchboards Group Mounted Switchboards Merchandised and Metering Jiffy II-Spectra® EUSERC West Coast Utility Applications

Instructions

-Drawings Included (Feed to Right STD)

- -Be sure Utility Kit Size matches Distribution Section
- –Breaker Distribution Section 35"W
- -Breaker Distribution Service Disconnect only
- -Main Device available on next page

-18X Spectra® Interior available for Distribution

Breaker MLO Service Disconnect (6 Handle Rule) 35"W

NEMA Type 1 Top Fed 400 A 3PH, 4W Cu JB43TC \$5986.82 NEMA Type 1 Top Fed 400 A 3PH, 4W Al JB43TC \$5986.82 NEMA Type 1 Top Fed 400 A 3PH, 4W Al JB43TA \$34428.45 NEMA Type 1 Top Fed 600 A 3PH, 4W Al JB63TA \$3498.45 NEMA Type 1 Top Fed 600 A 3PH, 4W Al JB63TA \$3498.76 NEMA Type 1 Top Fed B00 A 3PH, 4W Al JB63TA \$3546.56 NEMA Type 1 Top Fed B00 A 3PH, 4W Al JB63TA \$3566.56 NEMA Type 1 Top Fed B00 A 3PH, 4W Al JB63TA \$3566.56 NEMA Type 1 Bottom Fed Pul Section Included 400 A 3PH, 4W Al JB63TA \$3566.56 NEMA Type 1 Bottom Fed Pul Section Included 400 A 3PH, 4W Al JB63TA \$3566.56 NEMA Type 1 Bottom Fed Pul Section Included <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>List Price</th>							List Price
NPMA Type 1 Type Feed 400 A 3PH, 4W Al JB43TA 54789.45 NPMA Type 1 Typ Feed 400 A 3PH, 4W Cu JB63TC 5523.18 NPMA Type 1 Typ Feed 600 A 3PH, 4W Al JB63TC 5523.18 NPMA Type 1 Typ Feed 600 A 3PH, 4W Al JB63TA 554987.55 NPMA Type 1 Typ Feed 600 A 3PH, 4W Al JB63TA 5546.55 NPMA Type 1 Typ Feed 800 A 3PH, 4W Al JB63TA 5566.52 NPMA Type 1 Bottom Feed Pull Section included 400 A 3PH, 4W Al JB63TA 5566.53 NPMA Type 1 Bottom Feed Pull Section included 400 A 3PH, 4W Al JB63TA 5560.56 NPMA Type 1 Bottom Feed Pull Section included 600 A 3PH, 4W Al JB63TA 5560.72 NPMA Type 1 Bottom Feed Pull Section included 600 A 3PH, 4W Al JB63TA 55560.74 NPMA Typ	Enclosure	Incoming	Max. Amp	Service	Bus Material	Product Number	GO-108Q
NPMA Type 1 Top Feed 400 A 3PH, 4W Al JB61TA 53:14:22 NPMA Type 1 Top Feed 600 A 3PH, 4W/ Al JB63TA 59:49:37 NPMA Type 1 Top Feed 600 A 3PH, 4W/ Al JB63TA 59:49:37 NPMA Type 1 Top Feed 600 A 3PH, 4W/ Al JB63TA 55:46:54 NPMA Type 1 Top Feed 800 A 3PH, 4W/ Al JB63TA 55:66:54 NPMA Type 1 Bottom Feed Pull Section Included 400 A 3PH, 4W/ Al JB63TA 55:66:55 NPMA Type 1 Bottom Feed Pull Section Included 400 A 3PH, 4W/ Al JB63TA 55:60:96 NPMA Type 1 Bottom Feed Pull Section Included 400 A 3PH, 4W/ Al JB63TA 55:60:27 NPMA Type 1 Bottom Feed Pull Section Included 600 A 3PH, 4W/ Al JB63TA 55:60:27 NPMA Type 1 Bottom Feed Pull Section Included 600 A 3PH, 4W/ Al JB63TA 55:60:74	NEMA Type 1	Top Feed	400 A	3PH, 4W	Cu	JB43TC	\$5986.82
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NEMA Type 1 Top Feed 800 A 1PH, 3W Al JBB1TA \$4274.96 NEMA Type 1 Bottom Feed Pull Section Included 400 A 3PH, 4W Cu JB43BA \$5300.96 NEMA Type 1 Bottom Feed Pull Section Included 400 A 3PH, 4W Al JB43BA \$5300.96 NEMA Type 1 Bottom Feed Pull Section Included 600 A 3PH, 4W Al JB43BA \$5501.27 NEMA Type 1 Bottom Feed Pull Section Included 600 A 3PH, 4W Al JB53BA \$5501.27 NEMA Type 1 Bottom Feed Pull Section Included 600 A 1PH, 3W Al JB53BA \$5501.27 NEMA Type 1 Bottom Feed Pull Section Included 600 A 3PH, 4W Cu JB83BA \$5501.27 NEMA Type 1 Bottom Feed Pull Section Included 800 A 3PH, 4W Al JB83BA \$575.60 NEMA Type 1 Bottom Feed Pull Section Included 1000 A 3PH, 4W Al JB103BA \$995.33 NEMA Type 3R Bottom Feed Pull Section Included 400 A	NEMA Type 1	Top Feed	800 A	3PH, 4W	Al	JB83TA	\$5646.54
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NEMA Type 1 Bottom Feed Pull Section Included 600 A 1PH, 3W Al JB61BA \$5260.74 NEMA Type 1 Bottom Feed Pull Section Included 800 A 3PH, 4W Cu JB83BC \$57158.03 NEMA Type 1 Bottom Feed Pull Section Included 800 A 3PH, 4W Al JB83BC \$5755.00 NEMA Type 1 Bottom Feed Pull Section Included 800 A 3PH, 4W Al JB103BC \$9941.00 NEMA Type 1 Bottom Feed Pull Section Included 1000 A 3PH, 4W Al JB103BC \$9941.00 NEMA Type 3R Bottom Feed Pull Section Included 400 A 3PH, 4W Al JB103BA \$7753.39 NEMA Type 3R Bottom Feed Pull Section Included 400 A 3PH, 4W Al JB43BAW \$9959.07 NEMA Type 3R Bottom Feed Pull Section Included 400 A 1PH, 3W Al JB63BCW \$12448.85 NEMA Type 3R Bottom Feed Pull Section Included 600 A 3PH, 4W Cu JB63BCW \$1260.88 NEMA Type 3R Bottom Feed Pull Section In	NEMA Type 1	Bottom Feed Pull Section Included	600 A	3PH, 4W	Cu	JB63BC	\$8549.31
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NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section400 A3PH, 4WAlJB43TAW\$6755.95NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section400 A1PH, 3WAlJB41TAW\$5184.08NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WCuJB63TCW\$8203.73NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB63TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB61TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7633.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7633.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$583	NEMA Type 3R	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Al	JB103BAW	\$12558.90
NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section400 A3PH, 4WAlJB43TAW\$6755.95NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section400 A1PH, 3WAlJB41TAW\$5184.08NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WCuJB63TCW\$8203.73NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB63TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WCuJB81TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB61TAW\$5991.74NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$583	NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Cu	JB43TCW	\$8366.92
NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WCuJB63TCW\$8203.73NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB63TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$5691.74NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$585.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section1000 A3PH, 4WCuN/AN/A	NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Al	JB43TAW	\$6755.95
NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A3PH, 4WAlJB63TAW\$6956.28NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$5691.74NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$555.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section1000 A3PH, 4WCuN/AN/A	NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	1PH, 3W	Al	JB41TAW	\$5184.08
NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$5691.74NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section1000 A3PH, 4WCuN/AN/A	NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	600 A	3PH, 4W	Cu	JB63TCW	\$8203.73
NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section600 A1PH, 3WAlJB61TAW\$5691.74NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WCuJB83TCW\$9024.68NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section1000 A3PH, 4WCuN/AN/A	NEMA Type 3R						
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NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A3PH, 4WAlJB83TAW\$7613.03NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section800 A1PH, 3WAlJB81TAW\$5835.33NEMA Type 3RTop Feed NEMA 3R Includes Separate Utility Landing Section1000 A3PH, 4WCuN/AN/A	NEMA Type 3R						
NEMA Type 3R Top Feed NEMA 3R Includes Separate Utility Landing Section 800 A 1PH, 3W Al JB81TAW \$5835.33 NEMA Type 3R Top Feed NEMA 3R Includes Separate Utility Landing Section 1000 A 3PH, 4W Cu N/A N/A	NEMA Type 3R					JB83TAW	
NEMA Type 3R Top Feed NEMA 3R Includes Separate Utility Landing Section 1000 A 3PH, 4W Cu N/A N/A N/A	NEMA Type 3R		800 A	1PH, 3W	Al	JB81TAW	\$5835.33
	NEMA Type 3R		1000 A	3PH, 4W	Cu	N/A	N/A
	NEMA Type 3R						



Switchboards Group Mounted Switchboards Merchandised and Metering Jiffy II-Spectra® EUSERC West Coast Utility Applications

Instructions

- -Drawings Included (Feed to Right STD)
- -Be sure Utility Kit Size matches Distribution Section
- —K Frame MCB included
- -Breaker Distribution Section 35"W
- -Main Device included in Section

-13X Spectra® Interior available for Distribution below Main -For Meter Main applications use suffix MM; includes Add On Lug Kit

Example: JMB63BAW-MM Jiffy Switchboard 600A Bottom Feed, Aluminum Bus, NEMA 3R, 600A MCB Only, No Distribution

Main Circuit Breaker with Breaker Distribution 35"W

						List Price
Enclosure	Incoming	Max. Amp	Service	Bus Material	Product Number	GO-108Q
NEMA Type 1	Top Feed	400 A	3PH. 4W	Cu	JMB43TC	\$8846.40
NEMA Type 1	Top Feed	400 A	3PH, 4W	Al	JMB43TA	\$7517.00
NEMA Type 1	Top Feed	400 A	1PH, 3W	Al	JMB41TA	\$5587.20
NEMA Type 1	Top Feed	600 A	3PH, 4W	Cu	JMB63TC	\$9467.20
NEMA Type 1	Top Feed	600 A	3PH, 4W	Al	JMB63TA	\$7837.60
NEMA Type 1	Top Feed	600 A	1PH, 3W	Al	JMB61TA	\$5975.20
NEMA Type 1	Top Feed	800 A	3PH, 4W	Cu	JMB83TC	\$12396.60
NEMA Type 1	Top Feed	800 A	3PH, 4W	Al	JMB83TA	\$10214.10
NEMA Type 1	Top Feed	800 A	1PH, 3W	Al	JMB81TA	\$7857.00
NEMA Type 1	Bottom Feed Pull Section Included	400 A	3PH, 4W	Cu	JMB43BC	\$10243.20
NEMA Type 1	Bottom Feed Pull Section Included	400 A	3PH, 4W	Al	JMB43BA	\$8691.20
NEMA Type 1	Bottom Feed Pull Section Included	400 A	1PH, 3W	Al	JMB41BA	\$6984.00
NEMA Type 1	Bottom Feed Pull Section Included	600 A	3PH, 4W	Cu	JMB63BC	\$10864.00
NEMA Type 1	Bottom Feed Pull Section Included	600 A	3PH, 4W	Al	JMB63BA	\$9239.25
NEMA Type 1	Bottom Feed Pull Section Included	600 A	1PH, 3W	Al	JMB61BA	\$7372.00
NEMA Type 1	Bottom Feed Pull Section Included	800 A	3PH, 4W	Cu	JMB83BC	\$12416.00
NEMA Type 1	Bottom Feed Pull Section Included	800 A	3PH, 4W	Al	JMB83BA	\$10797.00
NEMA Type 1	Bottom Feed Pull Section Included	800 A	1PH, 3W	Al	JMB81PBA	\$8380.80
NEMA Type 1	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Cu	JMB103BC	\$15830.40
NEMA Type 1	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Al	JMB103BA	\$13424.80
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	3PH, 4W	Cu	JMB43BCW	\$14666.40
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	3PH, 4W	Al	JMB43BAW	\$12416.00
NEMA Type 3R	Bottom Feed Pull Section Included	400 A	1PH, 3W	Al	JMB41BAW	\$9932.80
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	3PH, 4W	Cu	JMB63BCW	\$15132.00
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	3PH, 4W	Al	JMB63BAW	\$12804.00
NEMA Type 3R	Bottom Feed Pull Section Included	600 A	1PH, 3W	Al	JMB61BAW	\$10243.20
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	3PH, 4W	Cu	JMB83BCW	\$16761.60
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	3PH, 4W	Al	JMB83BAW	\$14200.80
NEMA Type 3R	Bottom Feed Pull Section Included	800 A	1PH. 3W	Al	JMB81BAW	\$11329.69
NEMA Type 3R	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Cu	JMB103BCW	\$22659.20
NEMA Type 3R	Bottom Feed Pull Section Included	1000 A	3PH, 4W	Al	JMB103BAW	\$19167.20
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Cu	JMB43TCW	\$11849.52
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	3PH, 4W	Al	JMB43TAW	\$10297.52
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	400 A	1PH, 3W	Al	JMB41TAW	\$8590.32
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	600 A	3PH, 4W	Cu	JMB63TCW	\$12470.32
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	600 A	3PH, 4W	Al	JMB63TAW	\$10840.72
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	600 A	1PH, 3W	Al	JMB61TAW	\$8978.32
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	800 A	3PH, 4W	Cu	JMB83TCW	\$14022.32
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	800 A	3PH, 4W	Al	JMB83TAW	\$12082.32
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	800 A	1PH, 3W	Al	JMB81TAW	\$9987.12
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	1000 A	3PH, 4W	Cu	N/A	N/A
NEMA Type 3R	Top Feed NEMA 3R Includes Separate Utility Landing Section	1000 A	3PH, 4W	Al	N/A	N/A



Jiffy II-Spectra® EUSERC West Coast Utility Applications Utility Kits

Utility kits include meter door, socket and lugs.

Three-Phase Breaker Width

Utility	Voltage	Phase	Door Width	Product Number	List Price GO-108Q
ARIZONA PUBLIC SERVICE	120/208V OR 277/480V	3P4W	35	J335APS	\$985.95
LADWP	120/208V OR 277/480V	3P4W	35	J335LADWP	\$1060.95
NEVADA POWER	120/208V OR 277/480V	3P4W	35	J335NP	\$1126.80
PACIFIC GAS & ELECTRIC	120/208V OR 277/480V	3P4W	35	J335PG&E	\$1197.23
PORTLAND GEN ELECTRIC	120/208V OR 277/480V	3P4W	35	J335POGE	\$1197.23
PUGET SOUND ENERGY	120/208V OR 277/480V	3P4W	35	J335PSE	\$985.95
SACRAMENTO MUNICIPAL	120/208V OR 277/480V	3P4W	35	J335SME	\$1197.23
SALT RIVER PROJECT	120/208V OR 277/480V	3P4W	35	J335SRP	\$1455.46
SAN DIEGO GAS & ELECTRIC	120/208V OR 277/480V	3P4W	35	J335SDG&E	\$1060.95
SEATTLE CITY LIGHT	120/208V OR 277/480V	3P4W	35	J335SCL	\$1126.80
SOUTHERN CAL EDISON	120/208V OR 277/480V	3P4W	35	J335SCE	\$1126.80
TUCSON ELECT POWER	120/208V OR 277/480V	3P4W	35	J335TEP	\$1060.95

Three-Phase Fusible Width

Utility	Voltage	Phase	Door Width	Product Number	List Price GO-108O
<u></u>					
ARIZONA PUBLIC SERVICE	120/208V OR 277/480V	3P4W	45	J345APS	\$1150.28
LADWP	120/208V OR 277/480V	3P4W	45	J345LADWP	\$1225.26
NEVADA POWER	120/208V OR 277/480V	3P4W	45	J345NP	\$1314.60
PACIFIC GAS & ELECTRIC	120/208V OR 277/480V	3P4W	45	J345PG&E	\$1385.03
PORTLAND GEN ELECTRIC	120/208V OR 277/480V	3P4W	45	J345POGE	\$1385.03
PUGET SOUND ENERGY	120/208V OR 277/480V	3P4W	45	J345PSE	\$1150.28
SACRAMENTO MUNICIPAL	120/208V OR 277/480V	3P4W	45	J345SM	\$1385.03
SALT RIVER PROJECT	120/208V OR 277/480V	3P4W	45	J345SRP	\$1338.09
SAN DIEGO GAS & ELECTRIC	120/208V OR 277/480V	3P4W	45	J345SDG&E	\$1225.26
SEATTLE CITY LIGHT	120/208V OR 277/480V	3P4W	45	J345SCL	\$1314.60
SOUTHERN CAL EDISON	120/208V OR 277/480V	3P4W	45	J345SCE	\$1314.60
TUCSON ELECT POWER	120/208V OR 277/480V	3P4W	45	J345TEP	\$1225.26

Single-Phase Breaker Width

					List Price
Utility	Voltage	Phase	Door Width	Product Number	GO-108Q
ARIZONA PUBLIC SERVICE	120/240V	1P3W	35	J135APS	\$516.45
LADWP	120/240V	1P3W	35	J135LADWP	\$591.45
NEVADA POWER	120/240V	1P3W	35	J135NP	\$985.95
PACIFIC GAS & ELECTRIC	120/240V	1P3W	35	J135PG&E	\$1173.75
PORTLAND GEN ELECTRIC	120/240V	1P3W	35	J135POGE	\$1173.75
PUGET SOUND ENERGY	120/240V	1P3W	35	J135PSE	\$516.45
SACRAMENTO MUNICIPAL	120/240V	1P3W	35	J135SM	\$1173.75
SALT RIVER PROJECT	120/240V	1P3W	35	J135SRP	\$657.30
SAN DIEGO GAS & ELECTRIC	120/240V	1P3W	35	J135SDG&E	\$591.45
SEATTLE CITY LIGHT	120/240V	1P3W	35	J135SCL	\$985.95
SOUTHERN CAL EDISON	120/240V	1P3W	35	J135SCE	\$985.95
TUCSON ELECT POWER	120/240V	1P3W	35	J135TEP	\$591.45

Single-Phase Fusible Width

Utility	Voltage	Phase	Door Width	Product Number	List Price GO-108Q
ARIZONA PUBLIC SERVICE	120/240V	1P3W	45	J145APS	\$680.78
LADWP	120/240V	1P3W	45	J145LADWP	\$755.78
NEVADA POWER	120/240V	1P3W	45	J145NP	\$1150.28
PACIFIC GAS & ELECTRIC	120/240V	1P3W	45	J145PG&E	\$1338.08
PORTLAND GEN ELECTRIC	120/240V	1P3W	45	J145POGE	\$1338.08
PUGET SOUND ENERGY	120/240V	1P3W	45	J145PSE	\$680.78
SACRAMENTO MUNICIPAL	120/240V	1P3W	45	J145SM	\$1338.08
SALT RIVER PROJECT	120/240V	1P3W	45	J145SRP	\$1173.76
SAN DIEGO GAS & ELECTRIC	120/240V	1P3W	45	J145SDG&E	\$755.78
SEATTLE CITY LIGHT	120/240V	1P3W	45	J145SCL	\$1173.75
SOUTHERN CAL EDISON	120/240V	1P3W	45	J145SCE	\$1150.28
TUCSON ELECT POWER	120/240V	1P3W	45	J145TEP	\$755.78



Section 10

Switchboards Group Mounted Switchboards Jiffy III Switchboards

Product Introduction

The GE Jiffy III Utility Service Entrance Switchboard is designed especially to address the Canadian market. The compact unit combines the electrical distribution panel, the main service disconnect and the utility metering compartment into one space-saving unit, delivering maximum installation opportunities.

The switchboard is floor mounted and rated up to a maximum 1200A, 42 kAIC @600V. At 15" (381 mm) deep, the electrical distribution board easily fits into the tightest areas where space is typically limited. The Jiffy III is UL and cUL¹ approved and meets the seismic requirements of IBC Zone 4 and CBC Zone 4.

Designed and approved specifically for the Canadian Utility Market², the Jiffy III is available with mains rated at 800A, 1000A and 1200A; 80% and 100% rated (with the exception of 1200A, which is 80% rated only); and with or without Ground Fault protection. A full line of field installable Digital Solid State Electronic Trip Molded-Case Breakers is also available. With a combination of superior features and options, the GE Jiffy III Utility Service Entrance Switchboard not only meets your space-saving needs, but also offers total flexibility in design to meet the requirements of the project.

Features

- –Switchboard Styled, Type 1 Indoor Enclosure with Driphood (NEMA 1)
- -1200A-Heat Rated Bus max., 65kAIC @ 600V max.
- -80% and 100% Rated Main (1200A rated at 80% only)
- -Ground Fault Protection optional
- -Left or Right Hand Pull Sections-dependent on region
- -Top or Bottom Feed Main-dependent on region
- -UL, cUL approved
- -23X of Device Space for Feeder Breakers, Bolt-on Construction
- -Seismic IBC Zone 4, CBC Zone 4, UBC Zone 4
- —Heat Rated Aluminum Bus Bar standard with Copper Main Device Straps
- -Accepts Aluminum or Copper Incoming Cable
- -40" W (1016 mm) x 90" H (2286 mm) x 15" D (381 mm) (Main Only)
- -25" W (635 mm) x 90" H (2286 mm) x 15" D (381 mm) (Bussed Pull Section)
- -15" W (381 mm) x 90" H (2286 mm) x 15" D (381 mm) (Blank Pull Section)
- -Branch Feed-MCCB 15-1200A

¹cUL certified to meet CSA 22.2 No. 31.

²Non-BC Hydro Utilities. Contact your local GE Sales Engineer for your utility requirements.





BuyLog® Catalog

Switchboards Group Mounted Switchboards Jiffy III Switchboards

Switchboard with Bussed Section¹–Left to Right Feed

Max. Amp	Main Breaker Rating	Ground Fault Protection	Product Number	List Price GO-108CJ
800	80%	No	ACJ208080LR	\$17410.00
800	80%	Yes	ACJ208080GLR	\$19260.00
800	100%	No	ACJ208100LR	\$24450.00
800	100%	Yes	ACJ208100GLR	\$26300.00
1000	100%	No	ACJ210100LR	\$25560.00
1000	100%	Yes	ACJ210100GLR	\$27410.00
1200	80%	No	ACJ212080LR	\$18150.00
1200	80%	Yes	ACJ212080GLR	\$20005.00

Switchboard with Bussed Section¹–Right to Left Feed

30010011	bourd with buss	cu section i	Right to Left Feed		
Max. Amp	Main Breaker Rating	Ground Fault Protection	Product Number	List Price GO-108CJ	
800	80%	No	ACJ208080RL	\$17410.00	
800	80%	Yes	ACJ208080GRL	\$19260.00	
800	100%	No	ACJ208100RL	\$24450.00	
800	100%	Yes	ACJ208100GRL	\$26300.00	
1000	100%	No	ACJ210100RL	\$25560.00	
1000	100%	Yes	ACJ210100GRL	\$27410.00	
1200	80%	No	ACJ212080RL	\$18150.00	
1200	80%	Yes	ACJ212080GRL	\$20005.00	

Switchboard w/out Bussed Pull Section¹-Top Feed

Max. Amp	Main Breaker Rating	Ground Fault Protection	Product Number	List Price GO-108CJ
800	80%	No	ACJ108080T	\$11855.00
800	80%	Yes	ACJ108080GT	\$12965.00
800	100%	No	ACJ108100T	\$17410.00
800	100%	Yes	ACJ108100GT	\$18520.00
1000	100%	No	ACJ110100T	\$18520.00
1000	100%	Yes	ACJ110100GT	\$19630.00
1200	80%	No	ACJ112080T	\$12595.00
1200	80%	Yes	ACJ112080GT	\$13705.00

Switchboard w/out Bussed Pull Section¹-Bottom Feed

200100111		Jocu i un occu		.cu
Max. Amp	Main Breaker Ratina	Ground Fault Protection	Product Number	List Price GO-108CJ
800	80%	No	ACJ108080B	\$11855.00
800	80%	Yes	ACJ108080GB	\$12965.00
800	100%	No	ACJ108100B	\$17410.00
800	100%	Yes	ACJ108100GB	\$18520.00
1000	100%	No	ACJ110100B	\$18520.00
1000	100%	Yes	ACJ110100GB	\$19630.00
1200	80%	No	ACJ112080B	\$12595.00
1200	80%	Yes	ACJ112080GB	\$13705.00

¹Bus material–aluminum with copper main device straps. Bussed pull sections are not convertible from left to right or right to left. Main breaker included in section.

Specifications

Product Capability/Specification	Jiffy III Switchboard	Additional Information		
Enclosure Type	NEMA 1	NEMA 1 with Driphood		
Section Dimensions	40" W x 90" H x 15" D (1016 mm x 2286 mm x 381 mm) (Main Only)			
	25" W x 90" H x 15" D (635 mm x 2286 mm x 381 mm) (Bussed Pull Section)			
	15" W x 90" H x 15" D (381 mm x 2286 mm x 381 mm) (Blank Pull Section)			
/oltage	600V Max.			
Amperage	1200A - Heat Rated			
Bus Bar	Aluminum with Copper Main Device Straps			
30% Rating	800A to 1200A			
LOO% Rating	800A to 1000A			
Standards	CUL, NEMA, NEC, PB II			
Seismic Rating	IBC Zone 4, CBC Zone 4, UBC Zone 4			
Entry	Cable or Bussed Pull Section			
Top or Bottom Feed	Top and Bottom Feed			
ug Type	Mechanical Aluminum			
ncoming Cable	Copper or Aluminum			
Max. Bus kA Rating	65kAIC			
Neutral Rating	100% - Heat Rated			
1ain Devices	1200A			
	Manually Operated			
	Stationary			
1ain Device Accessories	UV ² , ST ² , Aux Contact, Bell Alarm	Field Installed		
Jtility CT Provision	Bar Type CT			
Itility PT Provision	Yes			
Branch/Feeder Switches	MCCB 15 - 1200A	TEY, TED, TED6CL, THED, TEDL, SFHA		
		SGLA, SFDA, SFHA, SKHA, SKLA		
		Field Installed		
Branch Accessories	UV ² , ST ² , Aux Contact, Bell Alarm	Field Installed		
Branch Mounting	23x Bolt-on Construction			
Delivery Time	2 Weeks to Ship - 3 Weeks On-site			
Accessories Available	Jiffy and Spectra® Bolt-on Device Mounting Hardware			
	Full Filler Plates for Jiffy and Spectra®			
	Jiffy and Spectra® Bolt-on Device Filler Plate Kit			
	Padlocking Devices for Jiffy and Spectra®			
	Load Lugs			

²Shunt Trip or UV cannot be installed in same breakers.



Section 10

Switchboards Group Mounted Switchboards

Commercial Metering Switchboard EUSERC West Coast Utility Applications NON-EUSERC Utility Applications Lever Bypass

GE Commercial Metering Switchboards are designed specifically to serve the EUSERC market in the western United States. In addition, they serve the NON-EUSERC markets with a Lever By-Pass arrangement. They are UL listed and labeled and offer a wide range of installation and performance features that simplify any project.

Metering sections are assembled with two sockets pre-wired on the line and load sides. All sockets are 200A continuous duty. A full selection of tenant mains are available including circuit breakers, fusible switches and T-Fuse pullouts.

Standards

Switchboard -UL 891 -NEMA PB-2 Meter Sockets -UL 414 -ANSI C12.7 Circuit Breakers -UL 489 Fused Switches -UL 98

For application and size information, refer to publication DEA-340, internet address www.geelectrical.com, or contact your local Sales Office. For pricing support contact your local GE Consumer and Industrial Sales Office.

Other Key Features

- -4000 main service, 480V maximum
- –Aluminum or copper bus
- -65,000A symmetrical bracing; standard 100K available
- -200A continuous duty sockets
- -Hot and cold sequencing is available
- -Type 3R construction available

Available Sections

- -Underground Pull Sections
- -Underground Pull Section with Main Switch
- -Underground Pull Section with Main Breaker
- –Overhead Sections with Main Switch or Breaker
- -CT Meter Sections with Main Switch
- -CT Meter Sections with Main Switch and Distribution
- -CT Meter Sections with Main Breaker
- $-\mathrm{CT}$ Main Sections with Main Breaker and Distribution
- -CT Meter Sections with Main Lugs
- -Auxiliary Sections (Wireways, Corner Sections)
- -Multi Meter Sections with Fusible Pullout Mains
- -Multi Meter Sections with Circuit Breaker Mains
- -Distribution Sections





Switchboards **Group Mounted Switchboards**

Commercial Metering Switchboard EUSERC West Coast Utility Applications NON-EUSERC Utility Applications Lever Bypass Section Types

-UL Listed, EUSERC, XCEL ENERGY Approved -208Y/120V or 480Y/277V; 100 kAIC -600, 800, 1000, 1200, 2000, 3000, 4000A

Underground Pull Sections

- -25" minimum depth
- -100 kAIC
- -Bottom feed
- -Cu or Al bus
- -NEMA 1 or 3R

Large Tenant Mains

- -Hot Sequence Metering
- -SG, SK, PBII, THFP, HPC
- -25" minimum depth
- -Minimum widths:
 - -400A and 600A G Frame, 800A K Frame: 35"
 - -1000A and 1200A K Frame: 40"
 - -1600 and 2000A PBII: 40"
 - -400A and 600A THFP, 800A HPC: 35"
 - -1000A and 1200A HPC: 40"
- -Bottom or top exit
- -Device padlocking
- -Equipment ground fault protection on
- 1200A and 2000A (optional on lower amperages)
- -Mounting provisions for CTs
- -Isolating barriers
- -Hinged sealable cover
- -Transformer rated meter socket
- -Front access
- -Middle or bottom mounted neutral
- -Lever bypass meter sockets available

Tenant Metering

- -Cold and hot sequences -Middle or bottom mounted neutral —Tenant mains SF, T-fuse pullout and FD1 -Ringless style meter sockets with J fuse constructions: -Lever bypass meter sockets available a) SF (100A, 200A) -Service entrance barriers $\left(\right)$ -4000A maximum horizontal bus b) T-fuse pull out (100A, 200A) c) FD1 (100A, 200A) with J fuse -100 kAIC -3 Ph 4 W Service -Top and bottom feed exit С -3 Pole. 2 Pole disconnects -Test bypass block meter socket available -Ringless cover - NO hinge (ST only) -600A-4000A horizontal bus -3-pack 20" width, 6-pack 35" width -5, 7, 13 jaw sockets -25" minimum depth for top or bottom -Locking jaws exit-to 60" -Flash shields -Provisions for field installable socket and -Line lugs at top, load at bottom breaker additions –Small tenant meters: 3- or 6-pack -Front access -Main disconnects lockable in OFF position
- -100% rated neutral; standard ground rating

BuyLog[®] Catalog

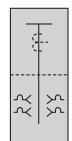
- -NEMA 1 or 3R enclosure
- Bottom feed
- -Cu or Al bus

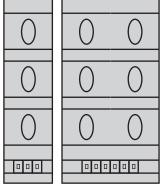
Underground Pull Sections with Single Main Breaker

- -400A-2000A
- -G, K and PBII circuit breakers
- -HPC and THFP fused switches
- -25" minimum depth
- -Device padlocking
- —SE barriers
- -Equipment ground fault protection on
- 1200A-2000A (optional on 400A-1000A)
- -Front access

Distribution Panel

- -Interior 2000A, Cu bus, 100 kAIC
- -13, 18, 23X distribution space
- -Bolt-on and Plug-in
- —3Ph 4W
- -Spectra® main breaker or main lug only interior
- -CT compartment up to 2000A
- Front neutral access





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Section 10



Switchboards Group Mounted Switchboards

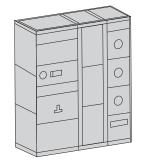
Commercial Metering Switchboard EUSERC West Coast Utility Applications

NON-EUSERC Utility Applications Lever Bypass

Options

Side Load Wireway

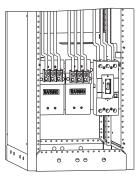
 —15" minimum width, copper or aluminum bus

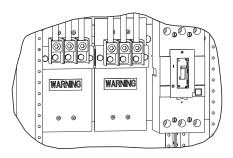


Side Load Wireway

UL Approved Field-Installable Small Tenant Kits

-Prewired sections meet UL





Meter Socket Field Kits

Disconnect	Rating	Product Number	List Price
35 kAIC Breaker	277/480V, 200A	CM 203M SB600V	\$939.00
35 kAIC Breaker	277/480V, 100A	CM 103M SB600V	\$939.00
65 kAIC Breaker	277/480V, 200A	CM 203M SB600VH	\$939.00
65 kAIC Breaker	277/480V, 100A	CM 103M SB600VH	\$939.00
65 kAIC Breaker	120/208V, 200A	CM 203M SB240V	\$939.00
65 kAIC Breaker	120/208V, 100A	CM 103M SB240V	\$939.00
65 kAIC Breaker	120/240V, 200A	CM 203M SSB240V	\$939.00
65 kAIC Breaker	120/240V, 100A	CM 103M SSB240V	\$939.00
65 kAIC Breaker	120/240V, 200A	CM 201M SSB240V	\$1149.00
65 kAIC Breaker	120/240V, 100A	CM 101M SSB240V	\$1149.00
T-Fuse Pullout	277/480V, 200A	CM 203M STF600V	\$247.00
T-Fuse Pullout	120/208V, 200A	CM 203M STF240V	\$231.00
T-Fuse Pullout	120/240V, 200A	CM 201M STF240V	\$231.00
T-Fuse Pullout	277/480V, 100A	CM 103M STF600V	\$216.00
T-Fuse Pullout	120/208V, 100A	CM 103M STF240V	\$204.00
T-Fuse Pullout	120/240V, 100A	CM 101M STF240V	\$204.00
FD1 Switch	277/480V, 200A	CM 200M SJF600V	\$963.00
FD1 Switch	120/208V, 200A	CM 200M SJF240V	\$963.00



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Section 10

Switchboards Spectra® Series Switchboards Spectra® Integrated Switchboard Solutions

Product Introduction

Spectra® Integrated Switchboard solutions save time, money and space, yet sacrifice nothing in terms of safety, performance or flexibility. You get flexibility in design and consistency in execution. Units expand or contract to accommodate your specific needs. And not only do they reflect GE's rigorous Six Sigma quality standards, they are also built and tested in accordance with NEMA PB-2, UL 891 and the NEC. All sections and devices are UL listed and UL labeled.

Features

Spectra® Integrated Switchboard solutions are custom designed and built to your specifications. You choose all the elements you need. Featured elements include:

- Power distribution
- -Energy management systems
- Building automation systems
 Automatic transfer switches
- —Surge suppression
- —Dry type transformers
- -Lighting controls

Benefits

- -Save Space—Conventional electrical installations waste space. Lighting and power panels take up long stretches of wall. Transformers eat up floor space. Lighting controls and building automation have to go somewhere. Spectra® Integrated Switchboard solutions integrate all these elements into a fraction of the area.
- -Reduce Total Installed Costs—The Spectra® Integrated Switchboard solution packs virtually all your power requirements into one single integrated distribution and control system—a compact, plug-and-play line-up. This reduces installation costs while turning otherwise non-productive mechanical space into revenue-generating sales or storage space.
- -**Cut Installation Time**-Construction schedules have never been tighter. When you're ready to install electrical equipment, you want it done now, so that you can move on to the next step. Spectra® Integrated Switchboard solutions arrive with everything you need, and when you need it, fully pre-wired to your specifications. All you have to do is set it in place, run the incoming power and wire out the branches. Installation takes less than half the time.



Typical Installation Steps for Spectra® Integrated Switchboard Solution

- 1. Bring conduits through floor
- 2. Receive single switchboard unit
- 3. Set switchboard in place (whether the room is complete or not)
- 4. Run conduits and wire branches

For pricing support contact your local GE Consumer and Industrial Sales Office.

Switchboards Spectra® Series Switchboards Spectra® Integrated Switchboard Solutions

Lighting Panels

A-Series Panel type AQ, AL, AE, AD

A-Series Panel Type AQ, AL, AE, AD

A-Series Panel Height	Switchboard Cover Height	
19	32	
25	32	
31	36	
37	40	
43	48	
49	60	
58	64	
70	76	

To determine A-Series Panel height (AQ, AL and AE only), refer to EQIP Sizing 2001.

A-Series Panel Specifications

Amperage	400 Amp maximum, MCB or MLO.
Voltage	600 Vac maximum
Int. Rating	65 kA max., fully or series rating.
Circuits	42 circuits maximum in each panel.
Section Depth	15" to 30"
Section Width	20" to 40"

Maximum panels heights in stack are 36"H and 48"H.

If 400 A panel serves as an incoming component then a 4" cover is necessary between the panel and either top (for top feed) or bottom (bottom feed)

If 600 A panel serves as an incoming component, then an 8" cover is necessary between the panel and either top (for top feed) or bottom (bottom feed)

The A-Series panels above 125A must be type M (equipment panel)

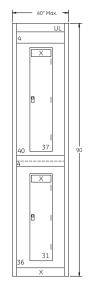
A-Series Panel Selection Guide

Amps. Max.	Service Information	Switchboard Location	Section Width Min.
AQ panel			
125 A	240 Vac max.	Top, Bottom	20W
225 A	1 Ph, 3W.	Top, Bottom	20W
400 A	3 Ph, 3W.	Top, Bottom	20W
AL panel			
125 A	240 Vac max.	Top, Bottom	20W
225 A	1 Ph, 3W.	Top, Bottom	20W
400 A	3 Ph, 3W.	Top, Bottom	20W
AE Panel			
125 A	480Y/227 Vac	Top, Bottom	20W
225 A	3 Ph, 4W.	Top, Bottom	20W
400 A	125/250 Vdc	Top, Bottom	20W
AD Panel ¹			
125 A	120/208 Vac, 3 Ph, 4W.	Full Height	25W
225 A	480 Vac, 3 Ph, 3W.	Full Height	25W
400 A	480Y/277 Vac, 3 Ph, 4W.	Full Height	25W

¹Availability limited–ask local GE Sales Engineer

40" Max.

Single A-Series Panel



Dual A-Series Panel





Section 10

Switchboards Spectra[®] Series Switchboards Spectra[®] Integrated Switchboard Solutions Transformers

Transformer Specifications

Туре	3 Phase, 15-150 kVA High-Efficiency	
Windings	Copper or Aluminum	
Temp. Rise	80°C, 115°C, 150°C	
Category	Standard	
Shield	No shield or Electrostatic-Shield ¹	
Enclosure Type	NEMA 1	

No transformer can be placed in a section adjacent to a 150kVA. Individual transformers can be placed at the bottom of the section only. ¹Ask local GE Sales Engineer about K-rated transformer availability.

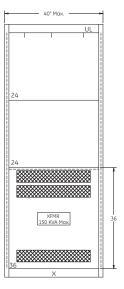
Individual Mounting Logic

kVA	Temperature Rise	Minimum Size
15	All	30W25D
30	All	30W25D
45	All	30W25D ²
75	All	35W30D
112.5	150°C, 80°C (TransforMore®)	35W30D
112.5	115°C	40W30D
150	150°C	40W30D
150	150°C, 80°C (TransforMore®)	35W30D

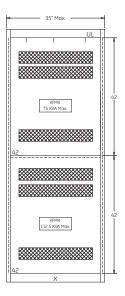
²45kVA, 80°C is 35W30D

Dual Mounting Logic

XFMR Cover	Lower XFMR	Upper XFMR	Temp Rise	Min. Sect. Width	Min. Sect Depth
	15	15	All	30	25
	30	15	All	30	25
	30	30	All	30	25
	45	15	150°C	30	25
	45	30	150°C	30	25
	45	45	150°C	30	25
	45	15	115°C	35	30
	45	30	115°C	35	30
	45	45	80°C	35	30
	75	15	All	35	30
42	75	30	All	35	30
	75	45	All	35	30
	75	75	All	35	30
	112.5 (150°C)	15	All	35	30
	112.5 (150°C)	30	All	35	30
	112.5 (150°C)	45	All	35	30
	112.5 (150°C)	75	All	35	30
	112.5 (150°C)	15	All	40	30
	112.5 (150°C)	30	All	40	30
	112.5 (150°C)	45	All	40	30
	112.5 (150°C)	75	All	40	30
	112.5 (80°C)	15	All	35	30
	112.5 (80°C)	30	All	35	30
	112.5 (80°C)	45	All	35	30
	112.5 (80°C)	75	All	35	30



Individual Transformer



Dual Transformer



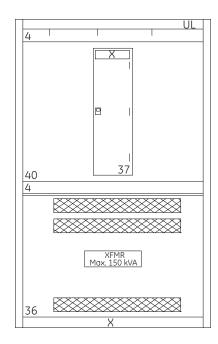
Switchboards Spectra[®] Series Switchboards Spectra® Integrated Switchboard Solutions Stacking Lighting Panels with Transformer

Product Description

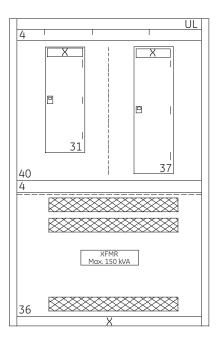
Panel type	AQ, AL, AE
Panel height	37"H with MCB
Transformer type	High-Efficiency, 3 Phase, 15 - 150 kVA
Section size In individual mounting, section depth and v depend on the transformer.	
	In double mounting, minimum section width is 40W. Section depth depends on the transformer.

Transformers can be placed at the bottom of the section only.

Contact local GE Sales Engineer for Dual Mounted panels with different voltages.



A-Series Single Mounting and Transformer



A-Series Double Mounting and Transformer



 $\ensuremath{\textbf{Publications}}$ and $\ensuremath{\textbf{Reference:}}$ See Section 22 for a complete list of additional product-related publications

Switchboards Spectra[®] Series Switchboards Spectra[®] Integrated Switchboard Solutions Individual Breakers

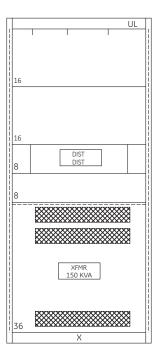
Breaker Specifications

Туре	Spectra® RMS SE
туре	
	Spectra® RMS SF
Ampere Rating	SE 15-150
	SF 70-250
System	3Ph, 3W
	3Ph, 4W
Voltage	600 V max.
Section depth	15" min.
Stack with	Transformers
	Lighting panels

When SE/SF are mounting in stack with transformers, the section size depend on the transformers.

Breaker Dimensions

		Minimum size into the section	
Туре	Ampere Rating	Height	Width
SE	15-70	8H	20W
SE	70-150	8H	20W
SF	70-150	8H	20W
SF	150-250	8H	25W



Х 31 36 DP-T3 SF 8 Х 31 36 Х

UL

SE or SF with Transformer



Section 10

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Section 10

Switchboards Spectra® Series Switchboards Spectra® Integrated Switchboard Solutions

Lighting Contactors and Relays

The minimum section depth required to mount a 463, 260L, or 360ML2 is 15"D. All other contactors require 20"D section. Total Box size includes the size of the contactor and necessary wire bending space required. Contactors are placed at the bottom of the section.

Lighting Contactors

Type: Amps-		Valid	Section	Section	Contact	or Module
Contactor	Contactor	Combinations	Width	Depth	Width	Height
CR360L3	30	CR360L3, L4	20-40	15 - 30	5.00	8.58
CR360L4	60	CR360L3, L4	20-40	20 - 30	5.00	10.70
CR463ML	30	CR463ML	20-40	15 - 30	6.66	10.70
CR360L5	100	CR360L5	20-40	20 - 30	7.50	17.45
CR360L6	200	CR360ML400, CR36L6, L7	20-40	25 - 30	11.65	25.74
CR360L7	300	CR360ML400, CR36L6, L7	20-40	25 - 30	12.50	34.90
CR360ML400	400	CR360ML400, CR36L6, L7	20-40	25-30	12.25	26.90
CR160MC30	30		20-40	20 - 30	10.00	14.30
CR160MC60-75	60-75	CR160MC30, MC60-75,	20-40	20 - 30	10.00	17.45
CR160MC100	100	MC100, MC150,	20-40	20 - 30	10.00	19.31
CR160MC150	150	MC200, MC225	20-40	20 - 30	10.00	24.50
CR160MC200	200		20-40	20 - 30	10.00	25.70
CR160MC225	225		20-40	20 - 30	10.00	26.90
External ROCB						
Controller	N/A	External ROCB Controller	20-40	20 - 30	10	28

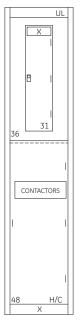
Size of standard plates to mount Lighting Contactor and Relays

Height	Width
8	20
12	20
16	20
20	25
24	25
28	30
32	30
36	35
40	35
42	40
48	40

Spectra[®] Power Panelboard—Individual Section

Туре	Spectra® Panel Bolt-on
Amperage	1200A max.
Voltage	600 Vac max.
Main	MLO or MCB

Contact local GE Sales Engineer for customer metering or individually mounted TVSS.



Section with Lighting Contactors and A-S Panel

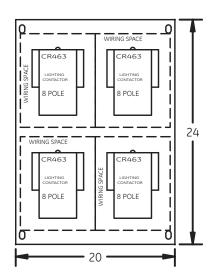


Plate with Lighting Contactors





Switchboards Spectra[®] Series Switchboards Utility Metering Compartments

Section 10

The following utilities have approved the type of metering compartment shown. Compartments are available with the following features:

- -CT busbars mounted on high impact glass fiber polyester insulation and arranged in an edgewise plane.
- —Door with concealed hinges, 3-point catch and lock, handle seal over CT compartment: barriers rear and bottom (top). Note: The bottom barrier is furnished at top if main device is over CT compartment.
- -9" or 11" centerline standard. For other centerlines refer to factory.
- -CT bus bars drilled for transformers with NEMA terminations.
- -#10-32 and 1/4-20 screws for potential taps.
- -Removable links provided if part of utility requirements.
- -Type 1 Compartments have 9" centerlines
- -Type 2 Compartments meet EUSERC standards
- -Type 3 Compartments have 11" centerlines, potential transformer space and mounting bracket if required.
- Cold sequence metering has CT compartment on load side of main device. Hot sequence CT Compartment is on line side.

See next two pages for utility company information matrix.

Utility Company	Utility Compartment Type Number
Anderson Municipal (IN)	1
Anoka Electric	1
Appalachian Power Company	33,5
Atlantic City Electric Company	33
Austin Municipal Utility	1
Bangor Hydro Electric Company	1
Belmont Municipal Light Dept. (MA)	1
Blackstone Valley Gas and Electric Company	1
Biockstone valley das and Electric Company	31,3
	1
Braintree Electric Light Company (MA)	1
Brockton Edison Company (MA)	
Burlington Electric Light Dept (VT)	1
Cambridge Electric Company (MA)	1
Cape and Vineyard Elecric Company (MA)	1
Central Hudson Gas and Electric Corp	1
Central Illinois Power and Light	1
Central Vermont Pub. Serv. Corp	1
Chicopee Light and Power (MA)	1
City of Columbus Municipal Power Co.	1
City of Dover	1
City of Vineland	1
Cleveland Electric Illuminating Company	1
Cleveland Public Power (OH)	1
Columbus and Southern Ohio	3
Concord Electric Company (NH)	1
Connecticut Light and Power	3 ^{3,5}
Danvers Lighting Company (MA)	1
Dayton Power and Light	32
Delaware Power and Light Company	1
Delmara Power and Light	33
Duquesne Light Company	33,5
East Central Electric (MN)	1
Eugene Water & Electric (OR)	1
Exeter and Hampton of New Hampshire	33,5
Fall River Electric Light Company	1
First Energy	1
	1
Freeport Electric Company	1
Georgia Power Company	1
Granite State (NH)	
Green Mountain Power Company	1
Gulf States Utilities	1
Hancock Country Rural Electric Co-op (IA)	
Hartford Electric Light Company	33,5
Ilinois Gas and Electric	-1
ndianapolis Power and Light	33,5
nterstate Power	1
owa Electric Light and Power Company	1
owa Illinois Gas and Electric	1
owa Public Service	1
Jacksonville Electric	1
Jersey Central Power and Light	32
Kansas City Power and Light	1
Kansas Gas and Electric Company	1



Switchboards Spectra[®] Series Switchboards Utility Metering Compartments

Section 10

Approved Utilities (Continued)

Utility Company	Utility Compartment Type Number
Kansas Power and Light	1
Kentucky Utility	1
Kentucky Power	1
Lake Superior District Power Company	- 3
Long Island Lighting	14
Lubec Light and Power Company (ME)	1
Lynn Gas and Electric (MA)	1
Madison Gas and Electric	1
Maine Public Service	1
Massachusetts Electric Company	33,5
Metropolitan Edison Company	33,5
Mid-America Energy	1
Milbank Municipal	1
Minnesota Power and Light Company	3
Monongahela Power Company	33,5
	1
Montana Dakota Utilities Mississippi Power and Light	1
	1
Municipal Power Company of Ohio	1
Muscatine Power and Water	
Mystic Power Company (CT)	<u>1</u> 3 ³
Narragansett Electric	
New Bedford Gas and Edison Company	1 32
New Jersey Power and Light	32.5
New York State Electric and Gas	
Newport Electric (RI)	<u>1</u> 3 ³
Niagara Mohawk	
Northern States Power Northwest Public Service	3
Norwich Department of Public Utilities	1
Norwood Municipal Light Company	1
Ohio Edison	1
Ohio Elason Ohio Electric Company	1
* *	3
Ohio Power Company	1
Omaha Public Power District	33
Orange and Rockland Utilities	
Otter Tail Power Company	
Patchougue Electric	
Penn Electric Company	1
Philadelphia Electric	
Potomac Edison Company	1
Public Service Gas and Electric of NJ	3
Public Service of Colorado	1
Public Service of Indiana	1
Public Service of New Hampshire	1
Rochester Gas and Electric	1
Rockville Light and Power	1
South Central	1
South Hadley Electric Light Company	1
South Norwalk Electric (CT)	1
Southern Indiana Gas and Electric	1
Southern Maryland Corp	1
St. Charles	1
Superior Water, Light and Power	3

Utility Company	Utility Compartment Type Number
Toledo Edison	1
Union Electric of St. Louis	3
United Illuminating	33,5
Vermont Public Service	1
Village of Hamilton	1
Wakefield Municipal (MA)	1
Watertown Municipal (NY)	1
West Penn Power	33,5
Western Mass. Electric	1
Xcel Colorado	1
Xcel Minnesota	1
Xcel Wisconsin	1
ATCO	NA
BC Hydro	
Hydro Quebec	NA
Manitoba Hydro	NA
Ottowa Hydro SASK Power	NA NA
Saskatoon	NA
Transalta	NA
West Kootenav	NA
west kootenay Winnipeg	NA
Except for:	INA
Except for: New Orleans Public Service,	
utilities in the states of Florida, Georgia,	1
South Carolina, North Carolina,	
Tennessee, Alabama, Mississippi,	
Louisiana, Arkansas, Oklahoma, and Texas	

¹Use Type 1 through 1600 amp, 240 volt max.

²Use Type 1 through 800 amp.

³For 480 volt service, add for potential transformer space and mounting bracket. See page 10-51 under Metering Compartment.

⁴Through 1200 amp only, 240 volt max.

⁵Use Type 1 for 240 volt max.



Switchboards Spectra® Series Switchboards Utility Metering Compartments

E.U.S.E.R.C. Member Utilities

Alameda, City of	P.U.D. No. 1 of Douglas County
Anaheim, City of	Pacific Gas and Electric
nchorage Municipal Light and Power	Pacificorp
rizona Public Service	Palo Alto, City of
vista Utilities	Pasadena, City of
izusa, City of-Light	Peninsula Light Co.
anning, City of	Plumas-Sierra Rural Electric Coop
enton Public Utility Dist. #1	Port Angeles City Light
enton Rural Electric Association	Portland General Electric
urbank Water and Power	Puget Sound Energy
Chelan Count P.U.D. #1	Richland, City of
itizens Energy Services	Redding, City of—Electrical
itizens Utilities Co.	Riverside Public Utilities
lark County Public Utility	Riverside, City of
Colorado Springs Utility	Roseville, City of
olton, City of	Salem Electric
oos-Curry Electric Coop, Inc.	Salt River Project—PHX
llensburg, City of–Energy Services	San Carlos Irrigation Project
ranklin PUD	San Diego Gas and Electric
lendale Water and Power	Seattle City Light
rant County PUD #2	Sierra Pacific Power Company
iray's Harbor P.U.Dist. #1	Silicon Valley Power
ridley, City of	S.M.U.D.
Iawaii Electric Light Co., Inc.	Snohomish County—PUD #1
lawaiian Electric Co.	Southern California Edison
lealdsburg, City of	Southern California Water Co.
laho Power Company	Springfield Utility Board
nperial Irrigation District	Sulpher Springs Electric
termountain Rural Electric Association	Tacoma Public Utilities
assen Municipal Utility District	Trico Electric Coop, Inc.
odi, City of	Truckee–Donner P.U.D.
ompoc, City of–Electric Dept.	Tucson Electric Power Co.
os Angeles, City of–DWP	Turlock Irrigation District
1ason County PUD #3	Ukiah, City of
1aui Electric Co.	Umatilla Electric Coop
1cMinnville Water and Light	Valley Electric Assn.
1esa, City of-Electric Utility	Vernon, City of
10desto Irrigation District	Western Area Power and Administration
Iontana Power Co.	
Javajo Tribal Utility Authority	For utility companies not listed above, prior approval by the
Navopache Electric Coop Inc.	utility must be obtained before an order can be accepted.
Jeedles, City of	
Jevada Power Company	

Oregon Trail Electric

Switchboards Spectra[®] Series Switchboards Utility Metering Compartments

Utility compartments are available with the following features:

- -CT busbars mounted on high impact glass fiber polyester insulation and arranged in an edgewise plane.
- —Door with concealed hinges, 3-point catch and lock, handle seal over CT compartment: barriers rear and bottom (top). Note: The bottom barrier is furnished at top if main device is over CT compartment.
- -9" or 11" centerline standard. For other centerlines refer to factory.
- -CT bus bars drilled for transformers with NEMA terminations.
- -#10-32 and 1/4-20 screws for potential taps.
- -Removable links provided if part of utility requirements.
- -Cold sequence metering has CT compartment on load side of main device. Hot sequence CT Compartment is on line side.

			Sequence	Check Marks (✓) indicate utility details which are required on each order		
	ED&C			Sequence		P.T. Info
Electric Utility Company	Utility Code	Hot	Cold	(Hot or Cold) ²	CT Info ¹	480V & above ¹
Anderson Municipal, IN	AM	_	_	1	1	-
Anoka Electric Co., MN	AN	_	_	1	1	-
Appalachian Power Co., VA	AP	Х	_	-	✓	✓
Atlantic Electric, NJ	AE	Х	_	-	-	✓
Austin Electric Dept., TX	AU	_	_	1	1	-
 Baltimore Gas & Electric, MD 	BG	Х	-	_	-	-
Bangor Hydro-Electric Co., ME	BH	_	Х	_	1	-
Belmont Municipal, MA	BM	_	Х	_	1	-
 Blackstone Valley Elect. Co., RI 	BV	Х	-		-	-
– Boston Edison Co., MA	BE	-	Х		-	-
Braintree Elect. Light Co., MA	BL	-	Х	-	1	-
Burlington Elect. Lighting Dept., VT	BD	-	-	\checkmark	1	-
 Cambridge Electric Co., MA 	CA	-	Х	_	-	1
Central Colorado Pwr/Centel Corp., CO	CX	Х	-	_	1	_
Central Hudson Gas & Electric, NY	СН	_	_	1	1	-
Central Illinois Light Co., IL	CT	_	-	1	1	-
Central Illinois Public Service, IL	CV	Х	-	-	1	_
 Central Maine Power Co., ME 	CM	-	-	\checkmark	-	✓
Central Vermont Public Service Corp., VT	CR	Х	_	-	1	-
Chicopee Light & Power, MA	CL	-	Х	—	1	-
 Cincinnati Gas & Electric, OH 	CG	Х	-	_	1	✓
City of Dover, DE	CD	_	_	1	1	_
City of Vineland, NJ	CI	-	Х	_	1	-
Cleveland Electric Illuminating Co., OH	CC	-	Х	—	1	-
Cleveland Public Power, OH	-	-	Х	_	1	-
Colorado Springs Dept. of Utilities, CO	ZS	Х	_	-	1	_
Columbus Div. of Electric, OH	CY	_	Х	_	1	-
 Columbus Southern Power, OH 	CU	-	-	1	1	-
– Commonwealth Edison Co., IL	CE	Х	-	-	-	
Commonwealth Electric, MA	CW	-	Х	-	_	1
Concord Electric Co., NH	CO	_	Х	-	1	_
Connecticut Light & Power Co., CT	CN	_	Х	-	1	1
- Consolidated Edison Co., NY Spec. 377	C3	X	_	-	1	-
Consolidated Edison Co., NY Spec. 298	CS	Х		-	-	
Consumers Power of Michigan, MI	CP	-	Х	-	-	1
Cornbelt Electric Co-Op., IL	CB	-	-	\checkmark	1	-
Danvers Elec. Div., MA	DC	-	Х	-	1	-
Dayton Power & Light Co., OH	DP	Х	_		<i></i>	_
Delaware Power & Light Co., DE	DL	-	-	1	1	-
Delmarva Power & Light, DE	DM	-	-	1	1	1
- Detroit Edison Co., MI	DE	X	-	-	<i>J</i>	
Duquesne Light Co, PA	DU	Х	_		1	1
East Central Electric, MN	EC	-	-	1	1	-
- Eastern Edison Co, MA	EE	Х	-	-	-	1
Eugene Water & Electric, OR	EW	-	<u>×</u>	-	1	
Exeter & Hampton Electric Co., NH	EH	-	×	_	1	✓
First Energy	FF	X	_	-	1	-
- Freeport Electric Dept., NY	FE	Х	_			
Georgia Power Co., GA	GP	_	_	1	1	1
Granite State, NH	GS	_	Х	-	1	-
Green Mountain Power Co., VT	GM	Х	_	-	1	_
 Greenport Electric Dept., NY 	GL	Х	_	-	-	-
Gulf State Utilities Co., TX	GE	Х	-	-	1	-
Hancock Co. Rural Electric Corp., IA	HC	-	-	1	1	-

 1 When CT and or PT information is required, provide manufacturer's name, product number and rating.

²When sequence information is required, advise whether hot or cold sequence is to be provided.

Not included in PDQ[™]—Electrical Equipment Design and Ordering System.

(ge)

Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra® Series Switchboards Utility Metering Compartments

Section 10

		Known Sequence		Check Marks (1) indicate utility details which are required on each order		
	ED&C			Sequence	an (1	P.T. Info
Electric Utility Company	Utility Code	Hot	Cold	(Hot or Cold) ²	CT Info ¹	480V & above ¹
Illinois Power Co., IL	IC	Х	-	_	1	-
 Indiana & Michigan Electric Co., IN 	IM	Х	-	-	1	-
Indianapolis Power & Light, IN	IP	-	-	1	1	1
Interstate Power Co., IA	IN	_	-	1	1	-
Iowa Electric Light & Power Co., IA	IE	_	-	1	1	-
Iowa Illinois Gas & Electric, IA	Ш	_	Х	-	1	-
Iowa Power & Light Co., IA	10	-	-	1	1	-
Iowa Public Service, IA	IS	-	Х	-	1	-
Iowa Southern Utilities Co., IA	IU	-	-	✓	1	-
Jacksonville Electric Authority, FL	JE	_	_	1	1	_
 Jersey Central Power & Light, NJ 	JC	Х	_	_	_	1
Kansas City Power & Light Co., MO	KC	Х	_	_	_	_
Kansas Gas & Electric Co., KS	KG	_	_	1	1	-
Kansas Power & Light, KS	KL	_	_	1	1	-
Kentucky Power, KY	KP	Х	_	_	1	-
Kentucky Utilities, KY	KU	Х	_	_	1	-
Lake Superior District Power Co., MN	LS	Х	_	-	1	-
Laverne Municipal Electric Plant, OK	LM	X	_	_	1	_
Lincoln Electric System, NE	LC	_	_	1	1	_
 Long Island Lighting Co., NY 	LI	×	_			_
 Louisville Gas & Electric Co., KY 	LG	×	_	_	1	_
Lubec Water & Electric District, ME	LL	_	X	_		
Madison Gas & Electric Co., WI	MG	_	_	1	_	_
Maine Public Service Co., ME	MP	_	X	-	1	_
 Massachusetts Electric Co., MA 	MC	×	_	_	_	1
Metropolitan Edison Co., PA	ME	×	_		1	
Mid-America Energy	MZ	X				
Midwest Power Co., IA	MX	X	_			
Minnesota Power & Light Co., MN	ML	_				
Minnesota Power & Light, MS	MS	X		✓ 	 	
Mississippi Power & Light, MS Monongahela Power Co., WV	MO	~			 	
	MD	X		-	✓ 	-
Montana Dakota Utilities, MT/ND/SD			_			
Muscatine Power & Water, IA	MW			1	✓	
Narragansett Electric Co., RI	NE	X	-	-		\checkmark
New Orleans Public Service, LA	NO	Х		-	1	-
Newport Electric, RI	NC	-	X	-	1	-
New York State Electric & Gas Corp., NY	NY	-	X	-	1	\checkmark
- Niagara Mohawk Corp., NY	NM		X	-		-
Northern Indiana Public Service, IN	NI	X	_	-	/	-
Northern States Power Co., MN/WI/ND/SD	NS	Х	_	-	1	-
Northwestern Public Service, SD	NP	_	_	1	_	-
Norwich Dept. of Public Utilities, CT	ND	-	Х	-	1	-
Norwood Municipal Light Co., MA	NL	-	Х	_	1	-

¹When CT and or PT information is required, provide manufacturer's name, product number and rating.

²When sequence information is required, advise whether hot or cold sequence is to be provided.

- Not included in PDQ[™]-Electrical Equipment Design and Ordering System.



Switchboards Spectra[®] Series Switchboards Utility Metering Compartments

Section 10

	ED&C	Known Sequence		Sequence	e utility details which are	e requirea on each orae P.T. Info
Electric Utility Company	Utility Code	Hot	Cold	Sequence (Hot or Cold) ²	CT Info ¹	480V & above ¹
Ohio Edison Co., OH	OE	X	_		√	
Ohio Power Co., OH	OP	×	_		 	
Omaha Public Power District, NE	OM	×	_	_	-	
Orange & Rockland Utilities, NY	OR	х	_	_	-	_
Otter Tail Power Co., MN	OT	х	_	_	_	_
Parker Municipal Light Dept., SD	PM	_	_	1	1	_
Pennsylvania Electric Co., PA	PE	Х	-	_	-	1
Pennsylvania Power Co., PA	PY	_	_	✓	1	-
Pennsylvania Power & Light Co., PA	PL	Х	_	_	_	_
Philadelphia Electric Co., PA	PH	Х	-	_	-	1
Potomac Edison Co., MD	PT	Х	-	-	1	_
Potomac Electric Power Co., DC	PP	Х	-	-	-	_
Public Service Electric & Gas Co., NJ	PS	-	-	1	-	_
Public Service of Colorado, CO	PC	Х	-	-	-	-
Public Service of Indiana, IN	PI	х	_	_	1	—
Public Service of New Hampshire, NH	PU	-	_	1	1	_
Rochester Gas & Electric Co., NY	RG	Х	_	_	1	-
Rockville Centre Electric Dept., NY	RE	Х	-	-	-	-
South Central Elec. Association, MN	SC	-	-	✓	1	-
South Hadley Electric Light Dept., MA	SH	_	_	\checkmark	1	-
South Norwalk Electric, CT	SN	-	Х	-	1	-
Southern Indiana Gas & Electric, IN	SI	_	Х	_	1	_
Southern Maryland Co-Op., MD	SM	Х	-	-	1	-
St. Charles	-	Х	-	_	1	_
St. Louis Municipal Electric, MI	SL	-	-	✓	1	-
Superior Water Light & Power, MN	SW	Х	-	_	1	-
Foledo Edison, OH	TE	-	Х	-	1	-
Jnion Electric of St. Louis, MO	UE	Х	-		-	-
Jnion Light Heat & Power Co., KY	UL	×	_	_	1	1
Jnited Illuminating Co., CT	UI	-	Х		-	-
/ermont Public Service, VT	VP	_	-	1	1	-
/illage of Hamilton, NY	VH	_	-	1	1	-
Virginia Electric Power Co., VA	VE	Х	_	_		
Wakefield Municipal, MA	WM	-	X	-	1	-
Watertown Municipal, NY	WA	-	Х	-	1	-
Watertown Municipal Utilities, SD	WU	Х	_	-		_
Wellesley Dept. of Public Works, MA	WY	-	X	-	<i>J</i>	
West Penn Power Co., PA	WP	Х	-	-	1	1
Western Massachusetts Electric Co., MA	WT	-	X		1	_
Westerville Electric Co., OH	WR	-	_			_
Wheatland Electric Co-Op., KS	WC	-	-	\checkmark	1	_
Wisconsin Electric Power Co., WI	WE	X	_			
Nisconsin Power & Light Co., WI Nisconsin Public Service, WI	WL WS	× ×				
Kcel Colorado	XC	X				
	XM	× ×	_		 	
Kcel Minnesota Kcel Wisconsin	XW	×	_		✓ ✓	
	~~vv	^			v	
an Utility Companies						
ATCO	-	_	х	1	1	1
3C Hydro	BR	_	Х	✓	1	1
Hydro Quebec	HQ	-	Х	✓	1	1
Manitoba Hydro	MH	_	Х	✓	1	1
Ottowa Hydro	OW	_	Х	✓	1	1
SASK Power	SK	_	Х	✓	1	1
Saskatoon	SZ	_	Х	✓	1	1
Fransalta	TR	_	Х	1	1	1
West Kootenay	WK	_	Х	1	1	1
Winnipeg	WG	_	Х	1	1	1

¹When CT and or PT information is required, provide manufacturer's name, product number and rating.

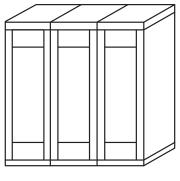
²When sequence information is required, advise whether hot or cold sequence is to be provided. − Not included in PDQTM−Electrical Equipment Design and Ordering System.



 $\ensuremath{\textbf{Publications}}$ and $\ensuremath{\textbf{Reference:}}$ See Section 22 for a complete list of additional product-related publications

Section 10

Switchboards Spectra[®] Series Switchboards



Class I

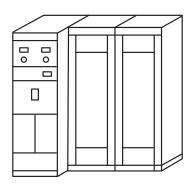
Group-Mounted Main and Feeders Front-Accessible

- -1200A Mains maximum
- -1200A Feeders maximum
- -Rear alignment standard
- -Minimum depth 25"
- -Main lugs to 2000A
- -May be mounted against wall.

Main and Feeder Devices Group-Mounted

- -Molded case circuit breakers
- -Fusible switches type ADS available in (Spectra® only)
- -Spectra® RMS¹ Molded case circuit breakers
- –Spectra® RMS¹
- -Molded case circuit breakers with MicroVersaTrip® Plus or MicroVersaTrip® PM trip units
- -Current-limiting circuit breakers
- -Integral ground fault
- -Integral protective relay functions
- -Energy Management Connectability

For pricing and application assistance, contact your local GE Sales Office



Class II

Individually-Mounted Main, Group-Mounted Feeders **Front-Accessible**

- -5000A Mains maximum
- -6000A main lug
- -1200A feeders maximum
- -Rear alignment standard
- -Utility CT Compartments
- -Depths:
- Mains 25"-60"
- Feeders 25" minimum

Mains Individually-Mounted

- -Power Break® and Power Break® II
- Insulated case circuit breakers
- 800-4000A
- with MicroVersaTrip® Plus
- or MicroVersaTrip® PM trip units
- -High pressure contact switches 800-4000A
- -WavePro low voltage power circuit breakers
- -Integral ground fault
- -Integral protective relay functions
- -Energy Management Connectability

Feeder Devices, Group-Mounted

- -Molded case circuit breakers
- -Fusible switches type ADS
- -Spectra® RMS¹
- Molded case circuit breakers
- -Spectra® RMS¹
- Molded case circuit breakers with MicroVersaTrip® Plus or MicroVersaTrip® PM trip units
- -Current-limiting circuit breakers
- -Integral ground fault
- -Integral protective relay functions
- -Integral POWER LEADER® network communications

¹Available as 100% equipment rated for group mounted construction. ²For WavePro options, contact factory.



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Switchboards Spectra[®] Series Switchboards

Section 10

GE Spectra® Switchboards

Class 1

	Available Devices				
Description	Function	Туре	Rating (Amps)		
Group mounted—mains and feeders	Main	MCCB	1200		
Rear alignment standard	Main	QMR	1200		
Front accessible	Candom	MCCB	1200		
Max. 1200-amp mains—1200-amp feeders	Feeders ·	QMR	1200		

Spectra® Class 2

		Available Devi	ces
Description	Function	Туре	Rating (Amps)
Individually mounted mains		MCCB	1200
Group mounted feeders		QMR	1200
Rear alignment standard		HPC	4000
Main section side or rear accessible standard	Main	PB/PB II	4000
Feeder sections-front access		WavePro	5000
Max. 4000-amp mains—1200-amp feeders		BPS	4000/5000 ¹
Utility metering compartment	Feeders	MCCB	1200
	reeders	QMR	1200

¹ Not UL labeled.

Standards

GE switchboards are manufactured to meet specific quality standards using standardized components. They meet the following standard:

(a) Underwriters Laboratories No. UL891.

Note: GE switchboards are constructed to this standard as to enclosure, busing, wiring and clearances. Only switchboards or switchboard sections containing all UL Listed devices can be UL labeled.

(b) NEMA Standard PB2-latest issue.

(c) CSA (Spectra® Class 1 only)

Short-circuit Rating

The standard main or vertical bus in each switchboard is aluminum (copper optional) braced for an integrated equipment rating of 65,000 rms symmetrical amperes. When required, bus bars can be furnished braced for higher short-circuit currents (at additional price).

Ground Bus

Ground bus is furnished as standard.

Space and Busing for Future

When space only is required for future addition of any specified feeder device in a GE switchboard, corresponding vertical bus and blank filler plate will be furnished. (Device mounting hardware may be included.)

Blank Space Only

When blank space is specified for any class of GE switchboard, corresponding vertical bus, device mounting, and connecting straps will not be furnished.

For pricing and application assistance, contact your local GE Sales Office



Section 10

Molded Case Circuit Breakers

		<u>Ci</u> Trip	rcuit Bre	akers		Federal Specs				UL Listed	Interruptin	g Ratinas	(Amps in	thousands)			
		Range		Rated Vo	oltage	C/B Class					mmetrical o		u in po n				Volts
Construction	Frame	(Amps)	Poles ³	ac	dc	W-C375B	120	120/240	240	277	480Y/277	480	347	600Y/347	600	125	250
	THQB	15-70	1	120/240	_	12a	10	10	-	-	-	-	-	-	-	-	-
ΗQ	THQB	15-100	2	120/240	_	12a	-	10	-	-	-	-	-	-	-	-	-
	THQB	15-100	2, 3	240	-	12b	-	-	10	-	-	-	-	-	-	-	-
	THHQB	15-60	1	120/240	_	14a	22	22	-	-	-	-	-	_	-	-	-
HHQ	THHQB	15-100	2	120/240	_	14a	-	22	-	-	-	-	-	_	-	-	-
	THHQB	15-100	2, 3	240	-	14b	-	-	22	-	-	-	-	-	-	-	-
Standard	TEY	15-100	1	277	-	-	-	_	14	14	-	-	-	-	-	-	-
Frame	TEY	15-100	2, 3	480Y/277	_	-	-	-	65	-	14	-	-	-	-	-	-
	TEB	15-100	1	120	125	12a	10	-	-	-	-	-	-	-	-	5	-
	TEB	15-100	2	240	250	12b	-	-	10	-	-	-	-	-	-	-	5
	TEB	15-100	3	240	-	12b	-	-	10	-	-	-	-	-	-	-	-
	TED	15-100	1	277	125	13a	-	-	-	14	-	10	-	-	-	10	-
	TED4	15-50 ¹	1	480	-	13b	-	-	18	-	-	14	-	-	-	-	10
	TED4	15-100	2	480	250	13b	-	-	18	-	-	14	-	-	-	-	10
	TED4	15-150	3	480	-	13b	-	-	18	-	-	14	-	-	-	-	-
	TED6	15-100	3	600	_	18b	-	_	18	_	-	14	-	-	14	-	_
	TED6	15-150	3	600	_	N/A	-	_	18	_	-	14	-	_	14	_	_
	SEDA ⁴	15-100	2, 3	600	_	18b	-	-	18	-	-	14	-	-	14	-	_
Change of source of	SEDA4	110-150	2, 3	600	-	N/A	-	_	18	_	_	14	-	_	14	-	-
Standard Frames	TQD	125-225	2, 3	120/240	-	12b	-	10	-	-	-	-	-	-	-	_	-
	TQD	125-225	3	240	-	12b	-	-	10	-	-	_	_	-	-	_	-
	SFHA	70-250	2	480	_	13b, 15b	-	_	-	65	-	35	-	_	-	_	_
	SFHA	70-250	3	600	_	20a, 22a	_	_	-	65	-	25	-	_	18	-	_
	TJD	250-400	2	120/240	250	14b	-	22	-	-	-	-	-	-	-	-	10
	TJD	250-400	3	240	_	14b	-	-	22	-	-	-	-	-	-	-	-
	SGDA	250-400	2	120/240	_	14b	-	65	-	-	-	-	-	-	-	-	-
	SGDA	250-400	3	240	_	14b	-	-	65	-	-	-	-	-	-	-	-
	SGHA4	125-400	2, 3	600	_	21a, 23a	-	-	65	-	-	35	-	-	25	-	-
	SGHA6	250-600	2, 3	600	_	21a, 23a	-	-	65	-	-	35	_	-	25	_	_
	SKHA8	300-800	2, 3	600	_	21a, 23a	-	-	65	-	-	50	_	-	25	_	_
	SKHA12	600-1200	2, 3	600	-	21a, 23a	-	-	65	-	-	50	-	-	25	_	-
	THED	15-30	1	277	125	13a	-	_	_	65	_	-	_	_	-	20 ²	-
	THED4	15-100	2	480	250	22a	-	_	65	_	_	25	_	_	-	_	20 ²
	THED4	15-100	2	480	_	_	_	_	65	_	_	25	_	_	_	_	_
	THED4	110-150	2	480	_	_	_	_	42	_	-	25	_	_	_	_	_
	THED6	15-100	3	600	_	22a	_	_	65	_	_	25	_	_	18	_	_
Hi-Break	THED6	110-150	3	600	-	_	-	_	42	_	_	25	_	_	18	_	-
Frames	SEHA4	15-100	2, 3	600	_	22a	_	-	65	-	_	25	_	-	18	_	_
	SEHA4	110-150	2, 3	600	_	-	_	-	65	_	_	25	_	-	18	_	_
	THQD	125-225	2	120/240	_	_	_	22	_	_	_	_	_	_	_	_	_
	THQD	125-225	3	240	_	_	_	_	22	_	_	_	_	_	_	_	_
	THJK4	125-400	2, 3	600	250 ³	23a	_	_	65	_	_	35	_	_	25	_	20 ²
	THJK6	250-600	2, 3	600	250 ³	21a	_	_	65	_	_	35	_	_	25	_	202
High nterruption	SKLA	300-1200	2,3	600	-	24a	_	-	100	_	-	65	_	-	42	_	-

¹Not UL Listed.

²DC ratings above 10,000 AIC are not UL Listed.

³Three-pole devices are not dc rated.

⁴Two-pole devices rated 480v max.

⁵Utilizing 2 poles in series on one leg.



Section 10

Molded Case Circuit Breakers (Continued)

		с	ircuit Bred	Ikers		Federal											
		Trip			Voltage	Specs					Interrupting mmetrical a		(Amps in	thousands)		de	Volts
Construction	Frame	Range (Amps)	Poles ³	ac	dc	_ C/B Class _ W-C375B	120	120/240	240	277	480Y/277	480	347	600Y/347	600	125	250
	FBV6	15-100	1	347	_	13a,13b, 14a	35	_	_	35	_	_	22	_	_	_	_
	FBN6	15-100	1	347	_	13a,13b, 14a	65	_	_	65	_	_	25	_	_	_	_
	FBH6	15-100	1	347	_	13a,13b, 14a	100	_	_	100	_	_	35	_	_	_	_
	FBL6	15-100	1	347	_	13a,13b, 14a	100	_	_	100	_	_	42	_	_	_	_
	FBV6	15-100	2, 3	600	250	21a, 22a	_	_	65	_	_	35	_	22	_	_	25 ⁵
	FBN6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	150	_	_	65	_	25	_	_	30 ⁵
	FBH6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	200	_	_	100	_	35	_	_	425
	FBL6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	200	_	_	150	_	42	_	_	65 ⁵
	FCS6	15-100	2, 3	600	250	20a	_	_	42	_	_	25	_	18	_	_	225
	FCV6	15-100	2, 3	600	250	21a, 22a	_	_	65	_	_	35	_	22	_	_	25 ⁵
	FCN6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	150	_	_	65	_	25	_	_	30 ⁵
	FCH6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	200	_	_	100	_	35	_	_	425
	FCL6	15-100	2, 3	600	250	21a, 22a, 23a	_	_	200	_	_	150	_	_	42	_	65 ⁵
	SELA	15-150	2	480	_	13b	_	_	100	_	_	65	_	_	_	_	_
	SELA	15-150	3	600	_	21a, 22a, 23a	_	_	100	_	_	65	_	_	25	_	
	SEPA	15-150	2	480	_	16a	_	_	200	_	_	100	_	_	_	_	_
	SEPA	15-150	3	600	_	16a		_	200	_	_	100	_	_	25	_	_
	FES1T	20-150	2, 3	600	250	20a	_	_	42	_	_	25	_	_	18	_	10 ⁵
	FEV1T	20-150	2, 3	600	250	21a, 22a	_	_	65	_	_	35	_	_	22	_	255
	FEN1T	20-150	2, 3	600	250	21a, 22a, 23a	_	_	150	_	_	65	_	_	25	_	50 ⁵
Fuseless	FEH1T		2, 3	600	250			_	200	_	_	100			35	_	855
Current Limiting	FEL1T	20-150	2, 3	600	250	21a, 22a, 23a 21a, 22a, 23a			200		_	150			42	_	1005
Frames		20-150					_	_		_			_			_	
	FES1E	20-150	2, 3	600	250	20a			42			25			18		
	FEV1E	20-150	2,3	600	250	21a, 22a	_	_	65	-	-	35	-	-	22	-	
	FEN1E	20-150	2, 3	600	250	21a, 22a, 23a	_	-	150	-	_	65	_	_	25	-	
	FEH1E	20-150	2, 3	600	250	21a, 22a, 23a	_	-	200	_	_	100	_	-	35	-	-
	FEL1E	20-150	2, 3	600	250	21a, 22a, 23a	_	-	200	-	_	150	_	-	42	-	
	SFLA	70-250	2	480	-	13b	_	-	100	_	_	65	_	_	-	_	
	SFLA	70-250	3	600	_	21a, 23a	_	_	100	_	_	65	_	_	25	_	
	SFPA	70-250	2	480	_	16a	_	_	200	_	_	100	_	_		_	
	SFPA	70-250	3	600	-	16a	_	-	200	_	-	100	_	_	25	-	-
	FES2T	70-250	2, 3	600	250	20a	_	_	42	_	_	25	_	-	18	_	105
	FEV2T	70-250	2, 3	600	250	21a, 22a		_	65	_	-	35	_	_	22	_	255
	FEN2T	70-250	2, 3	600	250	21a, 22a, 23a	_	-	150	-	_	65	_	_	25	-	50 ⁵
	FEH2T	70-250	2, 3	600	250	21a, 22a, 23a	_	-	200	-	_	100	_	-	35	-	855
	FEL2T	70-250	2, 3	600	250	21a, 22a, 23a	_	_	200	_	_	150	_	_	42	_	1005
	FES2E	70-250	2, 3	600	250	20a	_	-	42	_	_	25	_	_	18	-	_
	FEV2E	70-250	2, 3	600	250	21a, 22a	_	-	65	-	_	35	-	_	22	-	-
	FEN2E	70-250	2, 3	600	250	21a, 22a, 23a	_	-	150	-	_	65	-	_	25	-	-
	FEH2E	70-250	2, 3	600	250	21a, 22a, 23a	_	-	200	-	-	100	-	-	35	-	-
	FEL2E	70-250	2, 3	600	250	21a, 22a, 23a	_	_	200	-	-	150	-	-	42	-	-
	SGLA44	125-400	2, 3	600	-	23a	-	-	100	-	-	65	-	-	65	-	-
	SGPA4 ⁴	125-400	2, 3	600	-	23a	_	-	200	-	-	100	-	-	65	-	
	SGLA6 ⁴	250-600	2, 3	600	-	24a	-	-	100	-	_	65	-	_	65	-	_
	SGPA6 ⁴	250-600	2, 3	600	-	25a	_	-	200	-	-	100	-	-	65	-	

¹Not UL Listed.

²DC ratings above 10,000 AIC are not UL Listed.

³Three-pole devices are not dc rated.

⁴Two-pole devices rated 480v max.

⁵Utilizing 2 poles in series on one leg.

(ge)

Publications and Reference: See Section 22 for a complete list of additional product-related publications

Molded Case Circuit Breakers (Continued)

_		-	ircuit Brea	kers		Federal				UI Lister	d Interrupting	Ratinas	(Amns in	thousands)			
		Trip Range		Rated \	/oltage	Specs C/B Class					ymmetrical a		winps in	thousanas		dc	/olts
Construction	Frame	(Amps)	Poles ³	ac	dc	W-C375B	120	120/240	240	277	480Y/277	480	347	600Y/347	600	125	250
_	FGV2	125-250	2, 3	600	250	21a, 22a	_	65	65	_	_	35	-	_	22	_	_
_	FGN2	125-250	2, 3	600	250	23a	_	150	150	_	-	65	_	-	35	_	_
_	FGH2	125-250	2, 3	600	250	24a	_	_	200	_	_	100	_	_	42	_	_
_	FGL2	125-250	2, 3	600	250	25a	_	-	200	_	-	150	_	-	65	_	_
_	FGP2	125-250	2, 3	600	250	25a	_	-	200	_	_	200	_	-	65	_	_
_	FGV4	250-400	2, 3	600	250	21a, 22a	_	65	65	_	_	35	_	-	22	_	-
	FGN4	250-400	2, 3	600	250	23a	_	150	150	_	_	65	_	-	35	-	-
Fuseless Current	FGH4	250-400	2, 3	600	250	24a	_	-	200	_	_	100	_	-	42	-	-
Limiting	FGL4	250-400	2, 3	600	250	25a	_	_	200	_	_	150	_	_	65	_	_
Frames	FGP4	250-400	2, 3	600	250	25a	_	_	200	_	_	200	_	_	65	_	_
_	FGV6	375-600	2, 3	600	250	21a, 22a	_	65	65	_	_	35	_	_	22	_	_
_	FGN6	375-600	2, 3	600	250	23a	_	150	150	_	_	65	_	_	35	_	_
_	FGH6	375-600	2, 3	600	250	24a	_	_	200	_	_	100	_	_	42	_	_
_	FGL6	375-600	2, 3	600	250	25a	_	_	200	_	_	150	_	_	65	_	_
	FGP6	375-600	2, 3	600	250	25a	_	_	200	_	_	200	_	_	65	_	_
	SGHB4	60-400	3	600	_	21a, 23a	_	_	65	-	_	35	_	_	25	_	_
SPECTRA® —	SGLB4	60-400	3	600	_	23a	_	_	100	_	_	65	_	_	65	_	_
	SGPB4	60-400	3	600	_	23a	_	_	200	_	_	100	_	_	65	_	_
Molded Case Circuit	SGHB6	300-600	3	600	_	21a, 23a	_	_	65	_	_	35	_	-	25	_	_
	SGLB6	300-600	3	600	_	24a	_	_	100	_	_	65	_	_	65	_	_
with MicroVersaTrip® —	SGPB6	300-600	3	600	_	25a	_	_	200	_	_	100	_	_	65	_	_
Plus	SKHB	300-1200	3	600	_	21a, 23a	_	_	65	_	_	50	_	_	25	_	_
Trip Units	SKLB	300-1200	3	600	_	24a	_	_	100	_	_	65	_	_	42	_	_
	SKPB	300-1200	3	600	_	25a	_	_	200	_	_	100	_	_	65	_	_

¹Not UL Listed.

²DC ratings above 10,000 AIC are not UL Listed.

³Three-pole devices are not dc rated.

⁴Two-pole devices rated 480v max.

⁵Utilizing 2 poles in series on one leg.



Molded-Case Circuit Breakers Spectra® RMS Breakers with MicroVersaTrip® Plus or PM Trip Units

		Circuit	Breakers			- Federal		UL L	isted Inte	rrupting	Ratings (Amps	in thousa	nds)		
		Trip		Rated V	oltage	Specs - C/B Class			rms Symr	netrical	ac Volts			dc V	olts
Construction	Frame	Range (Amps)	Poles	ac	dc	W-C375B	120	120/240	240	277	480Y/277	480	600	125	250
	SGHB4	60-400	3	600	_	21a, 23a	-	-	65	_	-	35	25	-	-
	SGLB4	60-400	3	600	-	23a	—	-	100	-	-	65	65	-	-
SPECTRA® RMS	SGPB4	60-400	3	600	-	23a	_	-	200	-	-	100	65	-	_
Molded Case Circuit	SGHB6	300-600	3	600	-	21a, 23a	_	-	65	-	-	35	25	-	_
Breakers	SGLB6	300-600	3	600	_	24a	-	-	100	_	-	65	65	_	_
with 1icroVersaTrip®	SGPB6	300-600	3	600	_	25a	_	_	200	-	_	100	65	_	-
PM Trip Units ¹	SKHB	300-1200	3	600	-	21a, 23a	—	-	65	-	-	50	25	-	_
Units	SKLB	300-1200	3	600	_	24a	-	-	100	-	_	65	42	-	-
	SKPB	300-1200	3	600	_	25a	_	-	200	_	_	100	65	_	_

Molded-Case Circuit Breakers 100% Equipment Rated for Group Mounted Construction

		Circuit E	Breakers			Federal		UL L	isted Inte	rrupting	Ratings (Amps	in thouso	nds)		
-		Trip		Rated V	oltage	Specs C/B Class			rms Sym	metrical	ac Volts			dc V	olts
Construction	Frame	Range (Amps)	Poles	ac	dc	W-C375B	120	120/240	240	277	480Y/277	480	600	125	250
	SGHHA	125-400	2, 3	600	_	21a, 23a	-	_	65	-	_	35	25	-	-
SPECTRA®	SGLLA	125-400	2, 3	600	-	21a, 23a	-	-	100	-	-	65	65	-	-
RMS	SGPPA	125-400	2, 3	600	-	21a, 23a	-	-	200	-	-	100	65	-	_
Molded Case - Circuit	SKHHA ²	300-1200	2, 3	600	_	21a, 23a	-	_	65	-	-	50	24	-	-
Breakers	SKLLA ²	300-1200	2, 3	600	_	24a	-	_	100	-	-	65	42	-	-
	SKPPA ²	300-1200	2, 3	600	-	25a	-	-	200	-	-	100	65	-	-
SPECTRA® -	SGHHB	60-400	3	600	-	21a, 23a	-	-	65	_	-	35	25	-	-
RMS	SGLLB	60-400	3	600	_	23a	-	_	100	-	_	65	65	-	-
Molded Case	SGPPB	60-400	3	600	_	23a	-	_	200	-	-	100	65	-	-
Breakers with	SKHHB ²	300-1200	3	600	_	21a, 23a	-	_	65	-	-	50	25	-	-
MicroVersaTrip®	SKLLB ²	300-1200	3	600	_	24a	-	_	100	-	_	65	42	-	-
Plus Trip Units	SKPPB ²	300-1200	3	600	-	25a	-	-	200	—	-	100	65	—	-
SPECTRA® -	SGHHB	60-400	3	600	-	21a, 23a	-	-	65	-	-	35	25	-	-
RMS	SGLLB	60-400	3	600	_	23a	-	_	100	-	-	65	65	-	-
Molded Case ⁻ Circuit	SGPPB	60-400	3	600	_	23a	-	-	200	-	-	100	65	_	_
Breakers with	SKHHB ²	300-1200	3	600	_	21a, 23a	-	-	65	-	-	50	25	-	-
MicroVersaTrip®	SKLLB ²	300-1200	3	600	_	24a	-	-	100	-	-	65	42	-	-
PM Trip Units ¹	SKPPB ²	300-1200	3	600	-	25a	-	-	200	-	-	100	65	-	-

¹SPECTRA® RMS breakers with MicroVersaTrip[®] PM trip units are available with protective relay functions (voltage unbalance, current unbalance, undervoltage, overvoltage and power reversal) and POWER LEADER[®] network communications.

 $^{\rm 2}$ 1200A must have fully rated bus. Copper lugs must be used on line or load side of breaker.



Switchboards Spectra[®] Series Switchboards

Bolted Pressure Switches

	Available (Ratings	Contact Interrupting Rating Based on	Switch-fuse Combination at Switch-rated
Туре	Continuous Amperes	ac Volts	Ability to Operate on Overload Unassisted by the Fuse	ac Volts With Class "L" Fuses
Bolted Pressure Switches	800, 1200 1600, 2000 2500, 3000 4000 5000 ¹	240 and 480	"Open" — 12 X amp rating "Close-Open" — 6 X amp rating	200,000

¹Bolted pressure switch only; not UL labeled.

Type ADS Fusible Switches²

		Fuse	_ Interrupting Rating rms
Amp Rating	UL Class	Description	Symmetrical amps ³
	Н	One-time	10,000
	К5	Time-delay or Current-Limiting Non-Rejection	100,000
(30-1200)	J	Current-Limiting Rejection	200,000
	R	Current-Limiting Rejection	200,000
	L	Current-Limiting	200,000
	Т	Current-Limiting	200,000

²Available in Spectra® Series only.

³The interrupting rating of the fuse must equal or exceed the short-circuit rating of the switch. If it is lower, then the short circuit rating is the same as the fuse. Fusible switches have no short-circuit rating if renewable fuses are used.

Estimated 400 Hz Interrupting Ratings for Power Break® II Breakers rms Symmetrical Amperes—Not UL Listed

Frame Size (Amps)	Max. Rating Plug Ampacity ⁴	120/240	277/480	346/600
800	600	6500	5000	4200
1600	1000	8500	6500	5000
2000	1200	8500	6500	5000
2500	1600	10000	10000	8500
li-Break®				
Frame Size (Amps)	Max. Rating Plug Ampacity ⁴	120/240	277/480	346/600
800	600	10000	10000	6500
1600	1000	12500	10000	6500
2000	1200	12500	10000	6500
2500	1600	20000	15000	10000

⁴ No additional thermal derating is required for above-maximum rating plug ratings for frame sizes noted. Note: 400-Hz interrupting ratings are based on engineering judgement, taking into consideration the operating characteristics of insulated case circuit breakers and the worldwide lack of test facilities to verify performance. Power+™ trip units and the energy management functions in MicroVersaTrip PM™ trip units are suitable for 50/60 Hz applications only.

Power Break[®] II Interrupting Capacity and Short-time Ratings—rms Symmetrical kA

Frame	800A	1600 to 2000A	2500-3000A ⁵	4000A ⁵
UL 489 Ratings, 5	0/60 Hz Stando	ard		
240V	65	85	100	100
480V	65	65	100	100
600V	50	50	85	85
Hi-Break®				
240V	100	125	200	200
480V	100	100	150	150
600V	65	65	100	100
Short Time ⁵				
(0.5) sec	25	40	42	42
IEC 947-2 Ratings	s 415, 50/60 Hz			
I _{CU}	-	75	75 ⁶	85
I _{CS}	-	56	45 ⁶	25
I _{CW} (1 sec)	-	40	50 ⁶	50

⁵Applies to high range instantaneous or "H" option.

⁶Must use 4000A construction.

Switchboards Spectra[®] Series Switchboards

Bolted Pressure Switches

	Available R	atings	Contact Interrupting Rating Based on Ability to Operate on	Switch-fuse Combination at Switch-rated
Туре	Continuous Amperes	ac Volts	Overload Unassisted by the Fuse	ac Volts With Class "L" Fuses
Bolted Pressure Switches	800, 1200 1600, 2000 2500, 3000 4000	240 and 480	"Open" — 12 X amp rating "Close-Open" — 6 X amp rating	200,000

WavePro Low Voltage Power Circuit Breakers Basic Selection Information

WavePro Interrupting Ratings (50/60 Hz ac)

				Short-Circuit RMS Symmetrical kA	
Rated AC Voltage	Breaker	Frame Size	Short-Time	With	Without
Nominal (max)	Туре	(amps)	Withstand	Instantaneous Trip	Instantaneous Trip
	WPS-08	800	30	30	30
	WPH-08	800	42	42	42
	WPX-08	800	50	50	50
600	WPS-16	1600	42	42	42
	WPH-16	1600	65	65	65
(635)	WPS-20	2000	65	65	65
	WPS-32	3200	65	65	65
	WPH-32	3200	85	85	85
	WPS-40	4000	85	85	85
	WPS-50	5000	85	85	85
	WPS-08	800	30	30	30
	WPH-08	800	42	42	42
	WPX-08	800	65	65	65
480	WPS-16	1600	50	50	50
	WPH-16	1600	65	65	65
(508)	WPS-20	2000	65	65	65
	WPS-32	3200	65	65	65
	WPH-32	3200	85	85	85
	WPS-40	4000	85	85	85
	WPS-50	5000	85	85	85
	WPS-08	800	30	42	30
	WPH-08	800	42	50	42
	WPX-08	800	65	65	65
240	WPS-16	1600	50	65	50
	WPH-16	1600	65	65	65
(254)	WPS-20	2000	65	65	65
	WPS-32	3200	65	85	65
	WPH32	3200	85	130	85
	WPS-40	4000	85	130	85
	WPS-50	5000	85	130	85

Fused Breaker Ratings. Max. 600 Vac 5-/60 Hz

	Fuse Rat	ing (Amps) ¹	Interrupting Rating ms		
Frame Size (Amps)	Min	Max	Symmetrical kA	Breaker Type	
800	300	1500	200	WPF-08	
1600	450	2500	200	WPF-16	
2000	2000	2500	200	WPS-20 ²	
3200	2000	4000	200	WPS32 ²	
4000	2000	5000	200	WPS-40 ²	
5000	2000	5000	200	WPS50 ²	

¹The maximum fuse rating is the largest fuse that tests show will result in proper performance of the breaker and fuse in combination under short circuit conditions.

²Fuses are mounted on separate fuse roll-out element and are ordered and shipped separately.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra® Series Switchboards MicroVersaTrip® Trip Units

Power Break® I or II Rating Plug Selection

Frame Size (Amps)	Sensor Rating (Amps)	Current Rating (Amps)	Rating Plug Product Number	Frame Size (Amps)	Sensor Rating (Amps	Current Rating (Amps)	Rating Plug Product Numbe
		100	TR2B100			400	TR10B400
	200	150	TR2B150		1000	600	TR10B600
		200	TR2B200		1000	800	TR10B800
		150	TR4B150			1000	TR10B1000
		200	TR4B200			750	TR20B750
	400	225	TR4B225			800	TR20B800
		250	TR4B250	2500		1000	TR20B1000
		300	TR4B300	2500	2000	1200	TR20B1200
800		400	TR4B400	Product Number (Amps) (Am TR2B100		1500	TR10B1500
		300	TR8B300			1600	TR20B1600
		400	TR8B400			2000	TR20B2000
		450	TR8B450			1600	TR25B1600
	800	500	TR8B500		2500	2000	TR25B2000
		600	TR8B600			2500	TR25B2500
		700	TR8B700			2000	TR30B2000
		800	TR8B800	3000	3000	2500	TR30B2500
		400	TR10B400			3000	TR30B3000
		600	TR10B600			1600	TR40B1600
	1000	800	TR10B800	Inter Number (Amps) (Amps) R2B100 R2B150 1000 R2B150 1000 1000 R4B150 R4B200 848200 R4B250 2500 2000 R4B200 R4B200 2000 R4B200 R4B200 2000 R4B200 R2500 2000 R4B200 R2500 2000 R4B200 R2500 2000 R4B200 R2500 2500 R4B200 R2000 3000 R4B200 R200 3000 R10B400 4000 4000 R16B600 R16B100 R16B100 R16B100 R16B100 R16B100 R20800 R20800 R20800 R20800 R20800 R20800 R20800 R20800 R20800 <td></td> <td>2000</td> <td>TR40B2000</td>		2000	TR40B2000
		1000	TR10B1000	4000	(Amps) (Amps (Amps) (Amps) </td <td>2500</td> <td>TR40B2500</td>	2500	TR40B2500
		600	TR16B600	4000		3000	TR40B3000
1600		800	TR16B800			3600	TR40B3600
	4.600	1000	TR16B1000			4000	TR40B4000
	1600	1100	TR16B1100				
		1200	TR16B1200				
		1600	TR16B1600				
		750	TR20B750				
		800	TR20B800				
		1000	TR20B1000				
2000	2000	1200	TR20B1200				
		1500	TR20B1500				

TR20B1600

TR20B2000

1600 2000



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Section 10

Switchboards Spectra® Series Switchboards MicroVersaTrip® Trip Units

Power Break[®] I or II Trip Unit

Trip Unit Suffix	Long-time (L)	Short-time (S)	Inst. (I)	High Inst. (H)	Ground Fault (G) ¹	OL/SC Targets (T1)	OL/SC/GF Targets (T2)	GF Zone Interlock (Z1)	GF/ST Zone Interlock (Z2)
Adjustable Insta	intaneous								
LI	•		•						
LIT1	•		•			•			
LIG	•		•		•				
LIGT2	•		•		•		•		
LIGT2Z2	•		•		•		•	•	
LS I	•	•	•						
LSIT1	•	•	•			•			
LSIG	•	•	•		•				
LSIGT2	•	•	•		•		•		
LSIGT2Z1	•	•	•		•		•	•	
LSIGT2Z2	•	•	•		•		•		•
Adjustable High	Range Instantaned	bus							
LSHT1	•	•		•		•			
LSHGT2	•	•		•	•		•		
LSHGT2Z1	•	•		•	•		•	•	
LSHGT2Z12	•	•		•	•		•		•

¹For single-phase 3-wire or 3-phase, 4-wire applications, order appropriate neutral current sensor.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

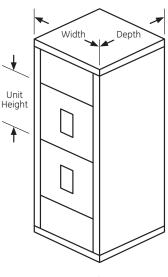
Switchboards Spectra[®] Series Switchboards

Section 10

Switchboard Sizing Considerations

Listed below are rules and arrangements that must be considered when sizing and dimensioning Spectra® switchboards.

Switchboard depth is the most variable of section dimensions as depth varies depending upon type and size of feed required; type, size, feed and combination of devices required; and the circuitry involved.



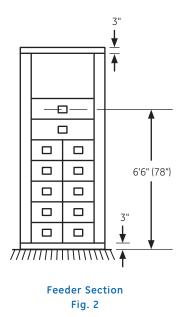


The dimensions shown in this publication are based on the following considerations:

- -Typical circuit and device arrangements as shown in Figure.
- -Lug or busway feed not exceeding the ampacity of the largest rated devices. For oversize lugs, a lug section may be required. See table 1 on page 10-35.
- —When two or more devices are involved in the same section, the section width and depth is to be determined by the largest of the devices.
- —Where bottom feed is involved, use reverse mounted or reverse fed devices, if possible. If not, a pull section may be required to prevent looping of bus bars, and to facilitate barrier replacement. See Figure 1 on page 10-35.
- —Where main lugs are involved spaces must be allowed for bending cable. Allow space at top (or bottom) of section per table 2 on page 10-35.
- —In combining lug space and devices there will be cases where it will not be possible to fit more than one device per section. When such space becomes critical refer to factory for alternate arrangements.
- -For connection to substation transformers see page 10-39 for further sizing requirements.
- -Use of busway may dictate section dimensions. For busway locations and dimensions see page 10-40.
- —Dimensions for front accessible sections may be reduced if rear access is available.

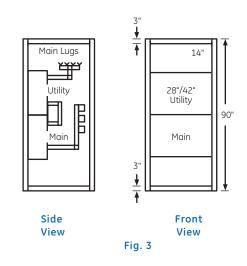
6'-7" Handle Rule

The National Electrical Code (Article 380-8) requires that switches or circuit breakers shall be installed so that the center of the grip of the operating handle of the switch or circuit breaker when in its highest position is not more than 6'-6" above the floor or working platform.



Wiring Bending Space

The National Electrical Code latest issue (Tables 373-6 (a and b) specify minimum wire bending space. A 14" unit height allowance as shown in Figure 3 will meet NEC requirements and provide wire bending space for front and rear accessibility. The 14" allowance for wire bending space may be utilized for metering (page 10-37), but not for devices. If there is rear access than it may be possible to reduce or eliminate the 14" allowance. Refer to factory.



Wiring Terminals (Lugs)

Pressure type lugs suitable for 250-600 kcmil aluminum or copper wire, are provided for short circuit ratings to 100,000A. Above 100,000A compression type lugs are provided.

When oversize lugs are required, a lug section with minimum width shown in Table 1 on page 10-35 may be furnished.



Switchboards Spectra® Series Switchboards

Bussed Pull Sections

Section has cross bus that connects to adjacent main section bus. Section width and number of lugs are shown in table below.

Table 1 Pull Section Dimensions

Amperes	Number of Lugs per ø and N ¹	Section Width Minimum	Section Depth Minimum
800	3		
1000	4	25	25
1200	4		
1600	5	30	25
2000	6	50	25
2500	8	75	70
3000	9	35	30
4000	12	40	35

 $^{\overline{1}}$ 50% Neutral will have one-half the lugs shown, 250-600 kcmil. Al or Cu wire.

Pull Sections

Pull section are available in widths and depths from fifteen inches (15") to sixty inches (60") in five inch (5") increments. Twenty inch (20") width is standard. Depth is same as main section. The pull section provides space for pulling and installing cables. It is also used with bottom feed where reverse feed or reverse mounted devices cannot be used. A barrier is provided for service entrance to meet NEC requirements. Busing and lugs are not provided.

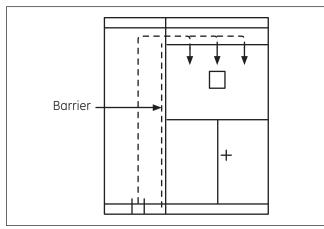




Table 2 Cable Bending Space Reference

Tabulation (75°C Cable Ampacity Rating Applies)

		Cond	inter	Lug Space (Inches)				
Amperes	Lug Qty	AL	CU	kcmil 250-600	350-800	Top	Bottom	
Amperes	Lug Qty			×	330-800			
	3		Х	^	X	16	20	
800					~	20		
	3	Х		×		18	22	
					Х	22	26	
			х	X		18	22	
1000	3				Х	22	26	
		х		X		18	22	
					Х	22	26	
	3		x	Х		18	22	
1200					Х	22	26	
	4	х		Х		19	23	
					Х	24	28	
	4	4		x	Х		19	23
1600			~		Х	24	28	
1600	5	v		х		19	23	
	5	Х			Х	24	28	
	F		~	Х		19	23	
2000	5		X		Х	24	28	
2000				Х		19	23	
	6	Х			Х	24	28	
				Х		19	23	
	6		×		Х	24	28	
2500	7	Х			Х	24	28	
	8	Х		х		22	26	
	7		Х		Х	24	28	
			х	×		22	26	
3000	8	X			X	24	28	
	9	Х		×		22	26	
	9		х		X	26	30	
	10		X	X		26	30	
4000	11	х			Х	30	34	
	12	X		×		30	34	

Compression Lugs Are Provided For The Following Ampere Ratings At 100kA

Amperes	Short Circuit Bracing	Anderson VCEL CU-AL Compression Lugs Per Phase And Neutral
800A	100kA	3 - 4/0-500kcmil
1000A	100kA	4 - 4/0-500kcmil
1200A	100kA	4 - 4/0-500kcmil

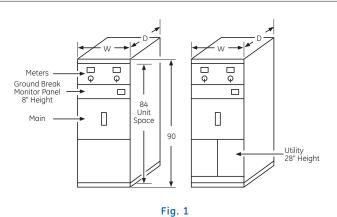


Switchboards Spectra[®] Series Switchboards Section Sizing

Section 10

Individually Mounted Mains and Feeders

Section widths and depths shown below are minimum for main lugs equal to the main device rating. For other arrangements refer to company.



Power Break® II Dimensions (Inches) Includes Incoming Lugs and Customer Meter CT's

				Stationa	ry ¹			Draw Out ^{1,2,3}						
			Manual		Electrical			Manual			Electrical			
Am	p Rating	Unit	Sec	tion	Unit	Sec	tion	Unit Section		tion	Unit	Sec	tion	
Frame	Sensor	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	
800 ²	200, 400, 800	20	25 ¹	30	20	25	30	201	30	40	201	30	40	
1600	800 ,1000, 1600	20	30	35	20	30	35	20	30	40	20	30	40	
2000 ²	2000	20	30	35	20	30	35	20	30	40	20	30	40	
2500	1000, 2000, 2500	40	40	40	40	40	40	32	30	45	32	30	45	
3000	3000	40	40	40	40	40	40	32	40	45	32	40	45	
4000	4000	40	40	45	40	40	45	32	40	50	44	40	50	

¹Width and depth will vary depending on lug arrangement and number of devices included in the section.

²Max. of 72 secondary contacts.

³Rear access may be required for 2500A through 4000A drawout.

Class II and Class V Devices

Power Break[®] II Dimensions (Inches)

				Stationa	ry ¹			Draw Out ^{1,2,3}							
			Manual				Electrical			Manual			Electrical		
Am	p Rating	Unit	Section		Unit	Section		Unit	Sec	tion	Unit	Section			
Frame	Sensor	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth		
800 ²	200, 400, 800	20	25 ¹	30	20	25	30	201	30	45	20 ³	30	45		
1600	800 ,1000, 1600	20	30	35	20	30	35	20	30	45	20	30	45		
2000 ²	2000	20	30	35	20	30	35	20	30	45	20	30	45		
2500	1000, 2000, 2500	40	40	40	40	40	40	32	30	45	32	30	45		
3000	3000	40	40	40	40	40	40	32	40	45	32	40	45		
4000	4000	40	40	40	40	40	40	44	40	45	44	40	45		

¹Width and depth will vary depending on lug arrangement and number of devices included in the section.

²Max. of 72 secondary contacts.

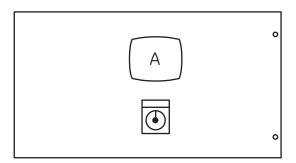
³Rear access may be required for 2500A through 4000A drawout.



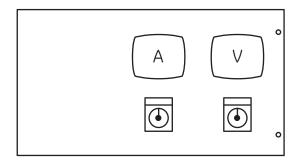
Switchboards Spectra[®] Series Switchboards Section Sizing

Instruments and Meters¹

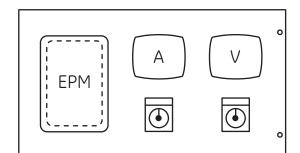
Listed below are the instrument and metering combinations with the compartment door configurations. Hinged door is standard on all meter doors.



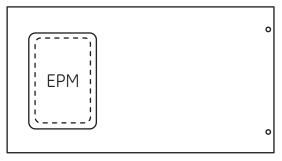
Ammeter and Selector Switch²



Ammeter, Voltmeter and Selector Switches²



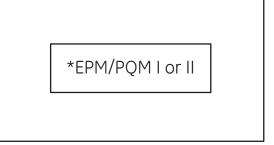
Ammeter, Voltmeter, with Selector Switches and Watt Hour Meter²



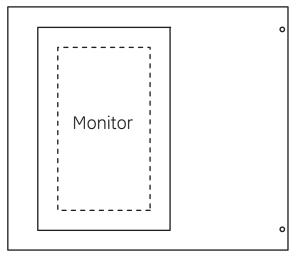
EPM Multi-function meter²



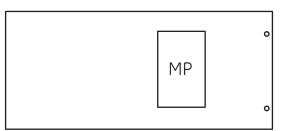
Publications and Reference: See Section 22 for a complete list of additional product-related publications



EPM/PQM Meters²



POWER LEADER® Monitor³



Ground Break® Monitor Panel⁴

¹For layouts/options other than those shown, contact factory. ²Compartment door is 12 inches high and requires 25 inch minimum width.

³Compartment door is 21 inches high and requires 25 inch minimum width. Repeater (if required) will be mounted in the same compartment. No additional space required.

⁴Compartment door is 8 inches high and requires 25 inch minimum width.

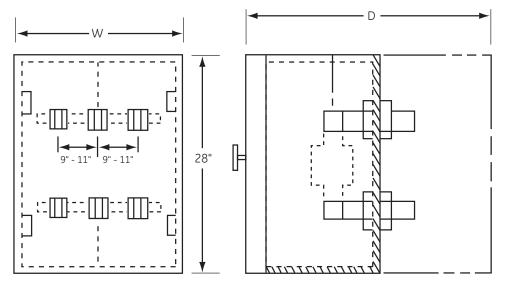
www.geelectrical.com

Section 10

Switchboards Spectra[®] Series Switchboards Spectra[®] Series Utility Metering Compartments Section Sizing

Standard Utility Compartments

NOTE: Dimensions shown are minimum widths and depths of switchboard sections containing CT compartments only. If there are other devices located in the section, actual width will be based on the largest device required. And, the entire switchboard lineup depth will be based on the largest device depth required.



Front View





CT Compartment Dimensions (Inches)

C/T Center Line	Max. Ampere Ratings	Minimum Section Width (Inches)	Minimum Section Depth (Inches)
	600	35	30
9" —	800	35	30
9" —	3000	35	30
	4000	40	35
	600	35	30
11" —	800	40	30
11 -	3000	40	30
_	4000	40	35

Switchboards Spectra[®] Series Switchboards Spectra[®] Series Low Voltage Transition Sections and Dual Voltage Switchboards

Low Voltage Transition Sections

Transition sections are required for connection of low-voltage Spectra® Series switchboards to all liquid-filled transformers, and not required for GE or SEPS open dry-type transformers 750 to 2000 kVA. They are also required for connection of switchboards to motor control centers. Transformer and transition sections are always aligned on center of depth of both sections.

Transition section depth is determined by device and circuitry of service entrance section. Transformer depth can be either deeper, the same, or shallower than the transition section depth.

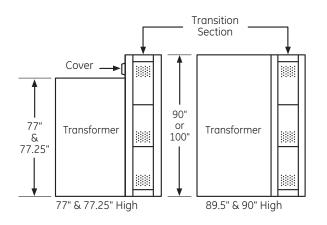
Note that the minimum allowable switchboard depth is 40".

For the 1500 and 2000 kVA, 95 BIL transformers, a 100-inch high transition section is required. The switchboard remains 90" high.

Transition sections are 15" wide except for 2000-3000 kVA which require 20" wide transition section.

Transition Section - -_ _ _ Flange 38"-94" Transformer 40 Liquid 45 45"-55" 50' Dry Flange Shallower Ł Same L Deeper Center Line of Transformer & Transition Section







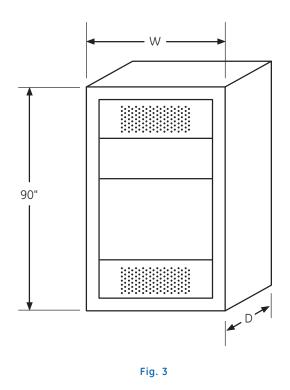


Dry Type Transformer Sections-480 Volt Primary

	Self-C	ooled
kVA	Width	Depth
30	30"	35"
45	30"	35"
75	35"	35"
112.5	40"	35"
150	45"	40"

Core & coil type QLC transformers provided in switchboard enclosures are set up for cable connection to primary and secondary. Fig. 3 applies.

750 and 1000KVA transformers are provided in NEMA 1 transformer enclosures. Primary and secondary flanges to switchboard sections do not require transition sections.



Switchboards Spectra® Series Switchboards Spectra® Series Busway Entrance

The Spectra® Busway switchboard stub may connect to the switchboard top main bus or the line or load terminals of a device in the switchboard section into which it enters. All dimensions shown are to centerline of busway. When two busway runs enter a switchboard section, refer to factor. For busway entrance locations other than Spectra® Busway refer to factory.

Switchboard Stubs

Both top and bottom entrance is available, however, TFR is the recommended standard entrance position. Dimensions for bottom entrance are the same as top entrance. Note that TEL and TER entrance positions require a separate 15-inch wide switchboard adjacent to the switchboard main device for entrance.

Spectra[®] Busway Rating by Stack

No. of Stacks	Aluminum Bus Ampere Rating	Copper Bus Ampere Rating
1	225-2000	225-2000
_	2500	3000
2	3000	4000
-	4000	5000

Spectra® Busway Switchboard Equivalent Stacks

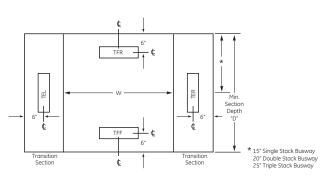
Stacks	Aluminum Bus Amps	Copper Bus Amps
	800	800
_	1000	1000
1	1200	1200
_		1600
		2000
_	1600	2500
2 -	2000	3000
2	2500	4000
	3000	
3	4000	5000

Dimensions (inches)

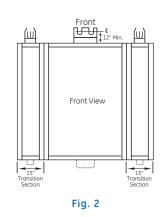
		"W" Dim.		"D" Dim.		
		Busway Stacks		Busway Stacks		
Stub Type	1	2	3	1	2	3
TFR	25	30	40	-	-	-
TFF	25	35	45	-	-	-
TEL, TER	-	-	-	1	1	1

¹Refer to factory

Notes: TFR requires rear access or must be preassembled into switchboard before it is set into place Any feeder busway must be on extreme ends of switchboard with path ground, or consult factory.









Section 10

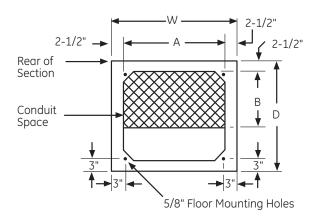
Switchboards Spectra[®] Series Switchboards Spectra[®] Series Conduit Entrance Space

Group-Mounted Distribution Sections

To find "A" dimension subtract 5" from width of switchboard section. To find "B" dimension subtract 9" from depth of switchboard section.

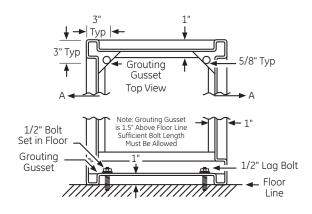
Incoming Line Sections

To find "A" dimension subtract 5" from width of switchboard section. See table for "B" dimension. "B" dimension is conduit entrance space available with neutral bus and device at extreme top or bottom.





Floor Mounting Method



-	·	-
E	la	1

Device	25"	30"	35"	Section I	45"	50"	55"	60
TJ	2 5	10	15	20	45 25	30	35	40
			-	-				
TK	5	10	15	20	25	30	35	40
TLB, THLC	5	10	15	20	25	30	35	40
JJ-JK 600A	5	10	15	20	25	30	35	40
KM1 200A	5	10	15	20	25	30	35	40
TB 600A	5	10	15	20	25	30	35	40
TB 800A	5	10	15	20	25	30	35	40
QMR 4-600A	5	10	15	20	25	30	35	40
QMR 8-1200A	5	10	15	20	25	30	35	40
HPC 800A	5	10	15	20	25	30	35	40
HPC 1600A	5	10	15	20	25	30	35	40
HPC 2000A	5	10	15	20	25	30	35	40
HPC 2500A	-	5	10	15	20	25	30	35
HPC 3000A	-	5	10	15	20	25	30	35
HPC 4000A	-	-	5	10	15	20	25	30
CBC 800A	-	5	10	15	20	25	30	35
CBC 12-2000A	_	5	10	15	20	25	30	35
CBC 2500A	_	_	5	10	15	20	25	30
CBC 3000A	_	_	5	10	15	20	25	30
CBC 4000A	_	_	5	10	15	20	25	30
PBI/PBII 800A ²	5	10	15	20	25	30	35	40
PBI/PBII 800A-	5	10	15	20	25	30	35	40
PBI/PBII 1000A ⁻			-		-			
	5	10	15	20	25	30	35	40
PBI/PBII 2500A ²	-	5	10	15	20	25	30	35
PBI/PBII 3000A ²	-	_	5	10	15	20	25	30
PBI/PBII 4000A ²	-	-	5	10	15	20	25	30
PBI/PBII 800A D/O ²	-	-	5	10	15	20	25	30
PBI/PBII 1600A D/O ²	-	-	5	10	15	20	25	30
PBI/PBII 2000A D/O ²	-	-	5	10	15	20	25	30
PBI/PBII 2500A D/O ²	-	_	5	10	15	20	25	30
PBI/PBII 3000A D/O	-	-	5	10	15	20	25	30
PBI/PBII 4000A D/O	-	-	-	-	5	10	15	20
AKR30 800A	-	-	_	5	10	15	20	25
WPS/WPH/WPX 800A	-	-	-	5	10	15	20	25
AKR50 1600A	_	-	-	5	10	15	20	25
WPS/WPH 1600A	_	_	_	5	10	15	20	25
AKRT50H 2000A	_	-	_	5	10	15	20	25
WPS 2000A	_	_	_	5	10	15	20	25
AKR75 3200A	_	_	_	_	5	10	15	20
WPS/WPH 3200A	_	_	_	_	5	10	15	20
AKR100 4000A	_	_	_	_	5	10	15	20
WPS 4000A					5	10	15	20
	_	_			5	10	15	20
AKR30S 800A D/O								
WPS/WPH/WPX 800A D/O	-	-	_	-	5	10	15	20
AKR50H 1600A D/O	-	-	-	-	5	10	15	20
WPS/WPH 1600A D/O	-	-	-	-	5	10	15	20
AKRT50 2000A D/O	-	-	-	-	5	10	15	20
WPS 2000A D/O	-	-	-	-	5	10	15	20
AKR75 3200A D/O	-	-	-	-	-	5	10	15
WPS/WPH 3200A D/O	-	-	-	-	-	5	10	15
AKR100 4000A D/O	-	-	-	-	-	-	5	10
WPS 4000A D/O	-	-	-	-	-	-	5	10
AKR125 5000A D/O ³	-	-	-	-	-	-	-	_
WPS 5000A D/O ³	-	-	-	-	-	-	-	_
Utility C/T (13" deep)	_	5	10	15	20	25	30	35
Utility C/T (18" deep)	_	_	5	10	15	20	25	30
ound of ito deep!			J	τU	10	20	20	JC

Incoming Line Section "B" Dimensions¹ (Inches)

² Subtract 5" from "B" dimension for electrically-operated devices.

³ Bussed cable pull section required.

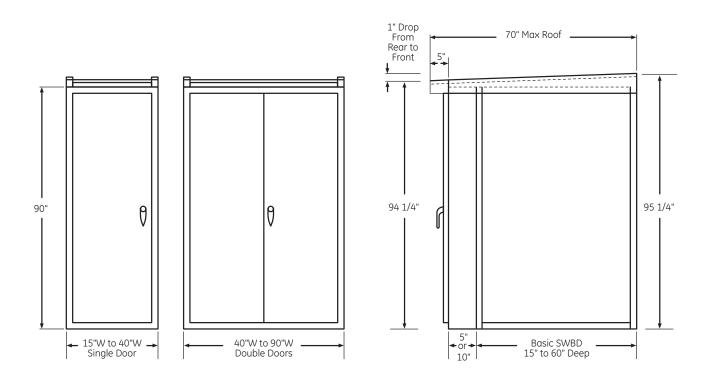


Publications and Reference: See Section 22 for a complete list of additional product-related publications

Rev. 1/08 Prices and data subject to change without notice

BuyLog[®] Catalog

Switchboards Spectra[®] Series Switchboards Section Sizing



Front View

Fig. 1 Non-walk-in

Side View

NEMA 3R outdoor enclosures consist of standard indoor cubicles and components enclosed with a front frame and roof assembly to provide a weather resistant structure. Any number of sections may be bolted together. However, all sections must be of the same depth.

Standard outdoor construction consists of: -90" high sections

- -Filtered front roof vents
- —Flat, front area floor
- -Single doors 15"-40" width; double doors 40"-90" width
- -Wind stop on each door
- -3-point catch with provision for padlock
- —Front to rear full depth lifting beams

Options available are:

- -1 5/8" high floor sills with rodent guards
- -Fluorescent light with receptacle

Section Sizing-Group Mounted Mains (Plug-in Style)

Main Lugs Only

Amp Rating	Top or Bottom Cable Entry Maximum Feeder X-Height Available ¹	Depth (inches)	Width (inches) ²
400			
600	-		
800	_		
1000	- 38	25	35
1200	_		
1600	_		
2000	-		

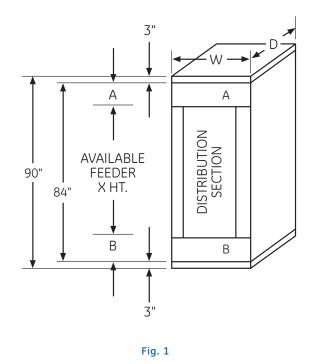
¹43X Interior available, rear access required

²Minimum section width shown. Wider section may be required.

Refer to branch sizing table.

Bussed Cable Pull Section

Amperes	Section Width (inches)	Section Depth (inches)
800		
1200		
1600		
2000	35	25
2500		
3000		
4000		



Main Device–Group Mounted³

Туре	Device	Amp Range	Main X-Height	Available Feeder X-Height	Depth (Inches)
Circuit	FGV, FGN, FGH, FGL, FGP	400-600	4	34	25
Breaker	SGDA, SGHA, SGLA, SGPA	400-600	4	34	25
	SKHA, SKLA, SKPA	800-1200	6	32	25
Spectra® RMS Breaker with	SGHB, SGLB, SGPB	400-600	4	34	25
MicroVersaTrip® Plus Trip Unit ⁴	SKHB, SKLB, SKPB	800-1200	6	32	25
Fusible	ADS	400, 600	10	28	25
Switch	AUS	800, 1200	19	19	25

Main Device—Group Mounted—MicroVersaTrip® PM Trip Unit³

Туре	Device	Amp Range	Main X-Height	Available Feeder X-Height	Depth (inches)
Spectra® RMS Breaker with	SGHB, SGLB, SGPB	400-600	5 ⁶	33	25
MicroVersaTrip® PM Trip Unit ⁵	SKHB, SKLB, SKPB	800-1200	7 ⁶	31	25

Main Device–Group Mounted–100% Equipment Rated³

Туре	Device	Amp Range	Main X-Height	Available Feeder X-Height	Depth (inches)
Spectra® RMS	SGHHA, SGLLA, SGPPA	400	4	34	25
Breaker	SKHHA, SKLLA, SKPPA	400-1200	6	32	25
Spectra® RMS Breaker with	SGHHB, SGLLB, SGPPB	400	4	34	25
MicroVersaTrip® Plus Trip Unit ⁴	SKHHB, SKLLB, SKPPB	400-1200	6	32	25
Spectra® RMS Breaker with	SGHHB, SGLLB, SGPPB	400	4 ⁶	34	25
MicroVersaTrip® PM Trip Unit ⁵	SKHHB, SKLLB, SKPPB	400-1200	7 ⁶	31	25

 3 Section width is determined by widest main or feeder used; refer to dimension tables on pages 10-45 and 10-46

⁴Breakers with MicroVersaTrip® Plus trip units with optional control power require a Voltage Module.

⁵ Breakers with MicroVersaTrip® PM trip units must use a Voltage Module.

⁶Breakers with MicroVersaTrip® PM trip units must have installed auxiliary switch; 1X breaker side control wiring space is included.

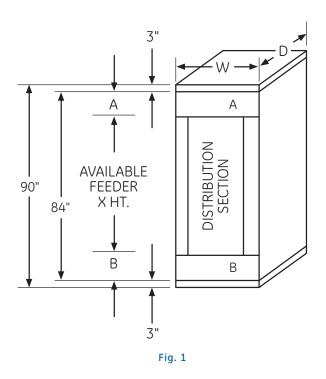
Ħ Rev. 1/08

Section Sizing—Feeder Section (Plug-in Style)

Feeder Section Dimensions

Service:

- -3Ø3W, 240V, 480V, 600V
- -3Ø4W, 208Y/120V
- 480Y/277V
- —Main: None
- -Bus bar connected to adjacent section
- -Devices are standard (80%) rated unless noted as 100% rated.



Section Dimensions (Inches)

Distribution Section Rating Amperes	А	В	Available Feeder X Ht.	Width Depth
800				
1000				
1200				See
1600	14 ¹	71	43 ²	Device
2000				Tables
2500				
3000, 4000				

Section 10

¹Neutral located at top. For neutral at bottom reverse dimensions. ²53X Interior Available—Rear access required. Dimensions are A-7", B-0".

Branch Devices—Group Mounted—ADS Fusible Switches (Plug-in only)

					Fuse	Туре					Mountir	ıg	
Amperes	Poles	Voltage	н	J	к	L	R	т	Module Config.	Blank Option	X Height	Minimum width (inches)	Minimum Depth (inches)
70	2/3	240	•	-	•	_	•	_	Double	Yes	4	40	
30 -	2/3	600	•	•	•	_	•	-	Double	Yes	4	40	-
60	2/3	240	•	_	•	-	•	-	Double	Yes	4	40	-
60 -	2/3	600	•	•	•	_	•	-	Double	Yes	5	40	-
	2/3	240	•	-	•	_	•	-	Double	Yes	5	40	-
100 -	2/3	600	•	•	•	—	•	_	Double	Yes	5	40	-
-	2/3	240/600	_	-	-	-	_	•	Double	Yes	7	40	-
	2/3	240/600	•	-	•	-	•	-	Double	No	7	45	25
200 -	2/3	240/600	•	_	•	_	•	-	Single	No	7	40	-
200 -	2/3	240	_	_	-	_	_	•	Double	Yes	7	40	-
-	2/3	600	_	•	_	—	_	•	Double	Yes	7	40	-
	2/3	240/600	•	-	•	-	•	-	Single	No	10	45	-
400/600	2/3	240	-	_	_	_	_	•	Single	No	10	40	-
-	2/3	600	-	•	_	_	_	•	Single	No	10	40	-
800/1200	2/3	600	_	_	_	•	_	_	Single	No	19	45	-



Section 10

Section Sizing—Feeder Section (Plug-in Style)

Branch Devices—Group Mounted—Molded Case Circuit Breakers

Mounting	Max. Breaker Amps	Breaker Frames	3-Pole Module X-height ¹	2-Pole Module X-height ¹	Minimum Width (inches)	Minimum Depth (inches)
	100	THQB, THHQB, TEY	3	_	35	25
	100	SE, SF, FC	3	3	35	25
	450	TEB, TED, TQD, THQD	3	2	35	25
	150	THED, FE	3	3	35	25
	225	TQD, THQD	3	2	35	25
225 Double	FG	4	4	40	25	
	SF	3	3	35	25	
	250	FG	4	4	40	25
	400	SG, FG	4	4	40	25
		SG, FG	4	4	40	25
	600	MicroVersaTrip [®] Plus SGHB, SGLB, SGPB	4	-	40	25
Double Adjacent	150	SEDA, SEHA, SELA, SEPA, FC, FE	4	4	40	25
o Fusible Świtch	250	SFHA, SFLA, SFPA, FE	4	4	40	25
	250	SF, FE	3	3	35	25
	400	SG, FG	4	4	35	25
		SG, FG	4	4	35	25
Circula	600	MicroVersaTrip® Plus SGHB, SGLB, SGPB	4	_	35	25
Single		SKHA, SKLA	6	6	40	25
	1200	SKPA	6	6	45	25
	1200	MicroVersaTrip® Plus SKHB, SKLB	6	_	40	25
		MicroVersaTrip® Plus SKPB	6	_	45	25
Single Adjacent to Fusible Switch	250	SF, FE	4	4	40	25

Branch Devices—Group Mounted—Breakers with MicroVersaTrip® PM² Trip Unit

Mounting	Max. Breaker Amps	Breaker Frames	3-Pole Module X-height ³	2-Pole Module X-height	Minimum Width (inches)	Minimum Depth (inches)
Twin	600	MicroVersaTrip® PM SGHB, SGLB, SGPB	6 or 5 ⁴	-	40	25
	600	MicroVersaTrip® PM SGHB, SGLB, SGPB	5 ³	-	35	25
Single		MicroVersaTrip® PM SKHB, SKLB	8 ⁵	_	40	25
	1200	MicroVersaTrip® PM SKPB	85	-	45	25

¹Add 1X per double or single branch for internal accessories die control wiring space. (Shunt trip, auxiliary switch, bell alarm undervoltage release).

² Breakers with MicroVersaTrip[®] PM trip units must use a Voltage Module.

³Add 1X per double or single branch for internal accessories side control wiring space. (Shunt trip, bell alarm, undervoltage release).

⁴ Breakers with MicroVersoTrip® PM trip units must have installed auxiliary switch; 1X breaker side control wiring space is included.

⁵ Breakers with MicroVersaTrip® PM trip units must have installed auxiliary switch; 1X breaker no side control wiring space is included.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra[®] Series Switchboards Section Sizing—Main (Plug-in and Bolt-on Styles)

14.1 Main Devices (Inches)

	Device				Statio	nary					Draw	Out		
				Manual			Electrical			Manual			Electrical	
		Ampere	Unit	Sec	tion	Unit	Sect	ion	Unit	Sec	tion	Unit	Sec	tion
Туре	Designation	Rating	Height	Width	Depth ^{1,2}	Height	Width	Depth ^{1,2}	Height	Width	Depth ^{1,2}	Height	Width	Depth ^{1,2}
		800												
		1200	- 70	70	70									
Bolted		1600	- 32	30	30									
Pressure	CBC	2000	-			S	ame as manu	al			not ava	ailable		
Switch		2500	36	35										
		3000	48	45	40									
		4000	48	45										
MCCB Standard and Hi-Break	TKM, THKM SKH	1200	24			S	ame as manu	al			not ava	ailable		
		400		25										
Fusible QMR - Switch	600	- 20	25	20		not available		not available						
	800	- 28	35	- 20										
		1200		30										
Metering			see page 10-38	25	25		ame as	25	not applicable					
Ground Fault	t-Ground Break		8	25	25	mc	inual	25	1					
				Type 1			Type 2			Type 3				
			Ht	Width Min	Depth Min	Ht	Width	Depth	Ht	Width Min	Depth Min			
		800												
		1000	-											
Utility		1200	-										not applicab	e
Metering		1600	28	35	35	44	40	30	28	40	25			
		2000	-											
		2500												
		3000	-											
		4000	28	40	35	44	40	30	28	40	30			
Automatic Th	browovor	800				2011	x 35W x 35 d						not applicab	
HULOMULIC II	niowover	4000				28H	x 32VV X 35 Q	seh					not abblicap	e

¹If metering CT's are required add 5" to depth. For devices at extreme top or bottom depth shown may not provide sufficient conduit entrance space. See page 10-41 for conduit space available.
²If vertical neutral bar is required, add 5" to depth.



Section Sizing—Group Mounted Mains (Bolt-on Style)

Main Lugs Only

Amp Rating	Top or Bottom Cable Entry Maximum Feeder X-Height Available ¹	Depth (inches)	Width ² (inches)
400			
600	_		
800	_		
1000	38	25	35
1200	_		
1600	_		
2000	—		

¹43X Interior available, rear access required

²Minimum section width shown. Wider section may be required.

Refer to branch sizing table.

Bussed Cable Pull Section

Amperes	Section Width (inches)	Section Depth (inches)
800		
1200		
1600		
2000	35	25
2500		
3000		
4000		

Main Device—Group Mounted³

Туре	Device	Amp Range	Main X-Height	Available Feeder X-Height	Depth (Inches)
	FGV, FGN, FGH, FGL, FGP	400-600	4	34	25
Circuit Breaker	SGDA, SGHA, SGLA, SGPA	400-600	4	34	25
	SKHA, SKLA, SKPA	800-1200	6	32	25
Spectra® RMS Breaker with	SGHB, SGLB, SGPB	400-600	4	34	25
MicroVersaTrip® Plus Trip Unit	SKHB, SKLB, SKPB	800-1200	6	32	25

³Section width is determined by widest main or feeder used; refer to Dimension tables on page 10-48.

Spectra® Distribution Bolt-on Switchboards

AVAII ABI F

FEEDER

X HT.

В

90"

84"

Distribution Bolt-on switchboard sections may be furnished in 20-inch depths when the following conditions are met:

3'

Fig. 1

- 1. Incoming feed enters switchboard section at opposite end from load cables–1200A max and no metering or ground fault.
- 2. Device "X" Height for incoming sections and feeder sections should be limited to 33X to provide adequate front access for line and load cable terminations.
- **3.** Branch devices are limited to circuit breakers shown on pages 10-47 and 10-48.

Class-1, Class-2 Feeder Section Dimensions

Service:

- —3Ø3W, 240, 480V
- -3Ø4W, 208Y/120V, 480Y/277V
- -Main: None
- –Bus Bar Connected to
- -Adjacent Section
- -All Devices Standard (80%)
- -Rated

DISTRIBUTION

В

Section 10





Section Sizing-Feeder Section (Bolt-on Style)

Feeder Section Dimensions

Service:

- -3Ø3W, 240V, 480V, 600V
- -3Ø4W, 208Y/120V
- 480Y/277V

-Main: None

- -Bus bar connected to adjacent section
- -Devices are standard (80%) rated unless noted as 100% rated.

Section Dimensions (Inches)

Distribution Section Rating Amperes	А	в	Available Feeder X Ht.	Width Depth
800				
1000				
1200				See
1600	14 ¹	71	43 ²	Device
2000				Tables
2500				
3000, 4000				

¹Neutral located at top. For neutral at bottom reverse dimensions.

²53X Interior Available—Rear access required. Dimensions are A-7", B-0".

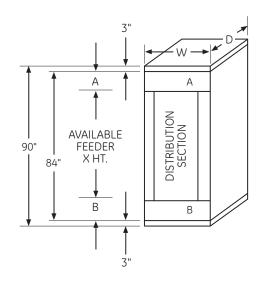


Fig. 1

Bolt-on Branch Devices—Group Mounted—Molded Case Circuit Breakers

Mounting	Max. Breaker Amps	Breaker Frames	3-Pole Module X Height ³	2-Pole Module X Height ³	Minimum Width (inches)	Minimum Depth (inches)
		TED	3	2	35	25
	100	TEY	3	-	35	25
	100	SE, SF, THED, FC, FE	3	3	35	25
		SG	4	4	40	25
	150	TED	3	2	35	25
Double	150	SE, FE	3	3	35	25
	250	SF, FE	3	3	35	25
	250	FG	4	4	40	25
	400	SG, FG	4	4	40	25
		SG, FG	4	4	40	25
	600	MicroVersa Trip Plus™ SGHB, SGLB, SGPB	4	_	40	25
	250	SF, FE	3	3	35	25
	250	FG	4	4	40	25
	400	SG, FG	4	4	35	25
		SG, FG	4	4	35	25
Single	600	MicroVersa Trip Plus™ SGHB, SGLB, SGPB	4	_	35	25
		SK	6	6	40	25
	1200	MicroVersa Trip Plus™ SGHB, SGLB, SGPB	6	_	45	25

³ Add 1X per double or single branch for internal accessories side control wiring space. (Shunt trip, auxiliary switch, bell alarm, undervoltage release).

⁴Breakers with MicroVersaTrip Plus™ trip units with optional control power require a Voltage Module.





Section 10

Switchboards Spectra[®] Series Switchboards Automatic Throwover Equipment

GE Zenith ZTS series automatic transfer switches are for use with electrically operated circuit breakers. They include the standard ZTS switch, the ZTSD delayed transition switch, ZTSCT closed transition switch and ZBTS Bypass/Isolation. ZTS are electrically operated, mechanically-held by a simple, over center mechanism. The components of the ATS are accessible for inspection and maintenance without removal of the switch or the power conductors.

Mechanical indicator and contact chamber cover are designed for inspection, safety and position designation. Logic devices including microprocessor control auxiliary time delays and special accessory equipment are assembled on the door for ease of maintenance and separation from the power section. The various functions of the switch are listed in the Standard Features table.

Zenith ZTS with MX200 (Module 25)

	ZTS	Minimum Section Dimensi	ons
Ampere Rating	Height	Width	Depth
400	90	20	25
600	90	35	30
800	90	35	30
1000	90	35	30
1200	90	35	30
1600	90	45	40
2000	90	45	40
3000	90	45	40
4000	90	45	50

ZTS Standard Features

Option	Description
A1	AUX-SPDT, Normal Power
A1E	AUX-SPDT, Emergency Power
A3	AUX-SPST, Emergency Position
A4	AUX-SPST, Normal Position
A6	Motor Disconnect During Xfr
C/D1	Load/No Load Exerciser—7 day
C/D-14 ¹	Load/No Load Exerciser—14 day
C/D 365 ¹	Load/No Load Exerciser—365 day
E	Engine Start Contact
J2E	O/U Frequency Sensing—Emergency
J2N	O/U Frequency Sensing—Normal
L1	Light—Emergency Position
L2	Light—Normal Position
L3	Light—Normal Available
L4	Light—Emergency Available
P1	TD Engine Start
Q2**	Remote Test/Peak Shave
Q3**	Transfer Inhibit—to Emergency
R1	0 Voltage Sensing—Normal
R8	0 Voltage Sensing—Emergency
R16	Phase Rotation Sensing
R17	3 Phase UV Sensing—Emergency
R50**	Tri-Phase Monitor
Т	TD—Retransfer to Normal
U	TD—Engine Cooldown
E	TD—Transfer to Emergency/Warmup
YEN	PB—Bypass T&W Times

S = STANDARD

¹Please indicate choice when ordering—7 days provided unless otherwise specified.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

These pricing pages are coded to indicate which shipment cycle the product feature qualifies for. The cycle category can be matched with quoted cycles from Equipment Plant Customer Service updates. The shipment cycle codes for group mounted switchboards are:

Code	Shipment Cycle	Explanation
S	Short	Limited product scope, very quick shipment
Μ	Mid	Larger product scope than short cycle
Ν	Normal	Standard delivery covering 80% of all product options
N+	Normal +	Special order items requiring additional lead time

The codes have two uses:

The **shortest shipment cycle possible** for a given proposition is the longest code associated with any of the options quoted, i.e., if everything falls under the "S" code except for one item which is "N", then the proposition should be quoted as a Normal Cycle delivery.

To **quote correct shipment cycle time,** match the longest shipment code to the current lead times published by Equipment Plant Customer Service.





Section 10

Switchboards Spectra® Series Switchboards

Incoming Line—Individual Sections (Plug-in and Bolt-on Styles)

Service Entrance Equipment (SE Label)

Switchboards used as service entrance equipment (maximum six sub-main devices) include a UL service entrance label, a neutral bonding jumper, neutral disconnect link, ground bus, and ground-ing electrode. List price addition \$450, GO-108A. Ground-fault protection is required by NEC on main service disconnect at 1000 amperes and greater, on 480Y/277 volt solidly grounded systems, and must be priced separately.

Main Lugs

Use only when no main protective device is required on switchboard. Ship cycle shown applies to standard lug size only (see page 10-35). Otherwise, ship cycle is N+.

Ampere	List Price Each, GO-108A							
Rating	3-phase, 4-wire	3-phase, 3-wire	1-phase, 3-wire	 Ship Cycle 				
1600	\$2563.00	\$2021.00	\$2563.00					
2000	\$3054.00	\$2413.00	\$3054.00	-				
2500	\$3708.00	\$2955.00	\$2658.00	- S				
3000	\$4380.00	\$3471.00	\$4380.00	-				
4000	\$5724.00	\$4565.00	\$5724.00	S				
5000-6000	\$23505.00	\$18804.00	-	N+				

Metering Compartment for Electric Utility Equipment, 600 Volts ac Max.

Ship cycle shown applies to power companies listed on pages 10-18 through 10-23. Otherwise, ship cycle is N+.

	List Price	Each, GO-108A	
Description	3-phase, 4-wire	1- or 3-phase, 3-wire	Ship Cycle
Utility metering compartment includes front accessible portion of incoming-line section with bus, space and bus for three current transformers, double front door, and isolating barriers and removable links if required.			
800 amps or less	\$2289.00	\$2158.00	
1000-2000 amps	\$3359.00	\$2886.00	S
2500 and 3000 amps	\$4229.00	\$3521.00	-
4000 amps	\$5051.00	\$4080.00	S
Meter Socket	\$479.00	\$411.00	
Space and Mounting Bracket for Potential Transformers	\$498.00	\$498.00	S

GE HPC Switches—Manually Operated (Prices do not include fuses)²

			List Price Ea	ch, GO-108A			
-	3	-ph, 4w or 3-ph, 3	w		1-ph, 3-wire		
Ampere Rating	240 Volt ac	600 Volt ac	Space and Busing	240 Volt ac	600 Volt ac	Space and Busing	Ship Cycle
800	\$9219.00	\$9219.00	\$3421.00	\$8100.00	\$8100.00	\$2712.00	
1200	\$12466.00	\$13921.00	\$3969.00	\$11185.00	\$12540.00	\$3284.00	_
1600	\$13897.00	\$15315.00	\$4454.00	\$12466.00	\$13734.00	\$3770.00	_
2000	\$15414.00	\$16783.00	\$5486.00	\$13548.00	\$14916.00	\$4616.00	— s
2500	\$17617.00	\$19047.00	\$7240.00	\$15476.00	\$16907.00	\$6120.00	_
3000	\$28067.00	\$29484.00	\$8596.00	\$23787.00	\$25517.00	\$7191.00	_
4000	\$39052.00	\$40346.00	\$14866.00	\$33516.00	\$34374.00	\$8571.00	М

NEMA Class L Std Fuses, 600 volts or less

Ampere Rating	List Price, GO-108A Addition Each Fuse, GO-108A	Ship Cycle
800	\$796.00	
1000	\$796.00	_
1200	\$796.00	-
1600	\$1062.00	S
2000	\$1301.00	
2500	\$1598.00	
3000	\$2140.00	_
4000	\$2612.00	М

Bolted Pressure Switches—Manually Operated (Prices do not include fuses)²

			List Price Ead	ch, GO-108A			
-	3	-ph, 4w or 3-ph, 3	w		1-ph, 3-wire		
Ampere Rating	240 Volt ac	600 Volt ac	Space and Busing	240 Volt ac	600 Volt ac	Space and Busing	Ship Cycle
800	\$10140.00	\$10140.00	\$3763.00	\$8910.00	\$8910.00	\$2983.00	
1200	\$13713.00	\$15313.00	\$4366.00	\$12304.00	\$13794.00	\$3612.00	
1600	\$15287.00	\$16847.00	\$4899.00	\$13713.00	\$15107.00	\$4147.00	
2000	\$16955.00	\$18461.00	\$6035.00	\$14903.00	\$16408.00	\$5078.00	M
2500	\$19379.00	\$20952.00	\$7964.00	\$17024.00	\$18598.00	\$6732.00	
3000	\$30874.00	\$32482.00	\$9456.00	\$26166.00	\$28069.00	\$7910.00	
4000	\$42957.00	\$44383.00	\$16353.00	\$36868.00	\$37811.00	\$9428.00	
5000 ³	\$62953.00	\$64900.00	\$24530.00	_	_	_	N+

 $^2\text{Arranged}$ for Class L current-limiting fuses. If fuses are required, make additions listed in fuse table. 3 Not UL rated.

ege.

Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra[®] Series Switchboards (Plug-in and Bolt-on Styles)

Power Break[®] Insulated Case Circuit Breakers¹-3-Pole

MicroVersaTrip[®] Breakers—See Page 10-68 for Trip Options

			GO-108A	List Price,				Circuit Breaker		
_		Drawout			Stationary					
Ship Cycle	Space & Busing	Elec. Operated	Manual	Space & Busing	Elec. Operated	Manual	Trip Range (Amps)	Frame Rating (Amps)	Type Frame	
	\$6159.00	\$29618.00	\$22853.00	\$4106.00	\$19880.00	\$15060.00	200-800	800		
S	\$7035.00	\$32391.00	\$26623.00	\$4690.00	\$23594.00	\$18947.00	800-1600	1600	SS	
	\$9330.00	\$32654.00	\$26830.00	\$6220.00	\$25374.00	\$20222.00	2000	2000		
	\$14352.00	\$48342.00	\$42569.00	\$9568.00	\$41437.00	\$36234.00	2500	2500		
N	\$19837.50	\$61018.00	\$53890.00	\$13225.00	\$53313.00	\$46612.00	3000	3000	SS	
_	\$34036.50	\$92889.00	\$82241.00	\$22691.00	\$83398.00	\$73296.00	4000	4000		
	\$6159.00	\$30983.00	\$24225.00	\$4106.00	\$20819.00	\$16285.00	200-800	800		
M	\$7035.00	\$36136.00	\$30350.00	\$4690.00	\$25275.00	\$21047.00	800-1600	1600	SHS	
= 11	\$9330.00	\$36415.00	\$30585.00	\$6220.00	\$28558.00	\$23643.00	2000	2000		
	\$14352.00	\$58087.00	\$52476.00	\$9568.00	\$50465.00	\$45350.00	2500	2500		
N	\$19837.50	\$69427.00	\$62237.00	\$13225.00	\$65313.00	\$58379.00	3000	3000	SHS	
	\$34036.50	\$104559.00	\$98933.00	\$22691.00	\$99396.00	\$89294.00	4000	4000		

Туре	ac Volts	Max. Amps	List Price Each, (3-pole) GO-108A	Ship Cycle
		800	\$7955.00	
		1600	\$10615.00	_
PBII		2000	\$11783.00	M
nsulated Case Switch	600	2500	\$17860.00	_
		3000	\$31805.00	Cycle
		4000	\$49151.00	N

¹When line and load connections are required in single section designs, and one main lug price of appropriate ampere rating.



Section 10

Incoming Line—Group Mounted Mains (Plug-in Style)

Main Lugs

Use only when no main protective device is required on switchboard. Lugs mounted on panel.

	List Price E	ach, GO-108A	
Ampere Rating	3-phase, 4-wire	3-phase, 3-wire	Ship Cycle
400	\$853.00	\$690.00	
600	\$1132.00	\$889.00	
800	\$1449.00	\$1100.00	_
1000	\$1915.00	\$1524.00	s
1200	\$1915.00	\$1524.00	_
1600	\$2563.00	\$2021.00	_
2000	\$3054.00	\$2413.00	_

Main Circuit Breaker-Group Mounted-80% Rated

Service Entrance Equipment (SE Label)

Switchboards used as service entrance equipment (maximum six sub-main devices) include a UL service entrance label, a neutral bonding jumper, neutral disconnect link, ground bus, and grounding electrode. List price addition \$450, GO-108A.

Ground-fault protection is required by NEC on main service disconnect at 1000 amperes and greater, on 480Y/277 volt solidly grounded systems, and must be priced separately.

Mains				List	Price Each, GO-1	L08A				
Maximum		Standard Frames			High Interrupting	9		Current Limiting		
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Ship Cyc
	SGDA1	\$4264.00	\$4057.00				SGLA4	\$5256.00	\$4760.00	
	SGHA ⁴	\$4584.00	\$4386.00				SGLB4 Plus ²	\$7169.00	\$6823.00	
	SGHB4 Plus ²	\$6420.00	\$6191.00				SGPA4	\$6987.00	\$6848.00	
							SGPB4 Plus ²	\$9477.00	\$8593.00	
400							FGV4	\$4584.00	\$4386.00	S
400				_	_	—	FGN4	\$5256.00	\$4760.00	
							FGH4	\$5266.00	\$4770.00	
							FGL4	\$8035.00	\$7875.00	
							FGP4	\$8734.00	\$8560.00	
							THLC6	\$7468.00	\$7281.00	N
							SGLA6	\$6057.00	\$5735.00	
	SGHA6	\$5351.00	\$5139.00				SGLB6 Plus ²	\$8218.00	\$7459.00	
SGI	SGHB6 Plus ²	\$7202.00	\$6962.00	_			SGPA6	\$8389.00	\$8121.00	
							SGPB6 Plus ²	\$11368.00	\$10317.00	
600				-	-	-	FGV6	\$5351.00	\$5139.00	
							FGN6	\$6057.00	\$5735.00	
							FGH6	\$6067.00	\$5745.00	
							FGL6	\$9647.00	\$9339.00	
							FGP6	\$10486.00	\$10151.00	
				SKLA8	\$10620.00	\$10121.00	-			
800	SKHA8	\$9005.00	\$8595.00	SKLB8 Plus ²	\$12990.00	\$12571.00	_	_	_	S
000	SKHB8 Plus ²	\$10948.00	\$10610.00	SKPA8	\$12669.00	\$12262.00	_		_	
				SKPB8 Plus ²	\$16301.00	\$15979.00				
				SKLA12	\$10839.00	\$10433.00	-			
1000	SKHA12	\$10093.00	\$9620.00	SKLB12 Plus ²	\$13059.00	\$12722.00	_	_	_	
1000	SKHB12 Plus ²	\$11068.00	\$10680.00	SKPA12	\$13557.00	\$13150.00				
				SKPB12 Plus ²	\$17444.00	\$14241.00				
				SKLA12	\$12421.00	\$12021.00				
1200	SKHA12	\$11634.00	\$11249.00	SKLB12 Plus ²	\$13351.00	\$13019.00	_	_	_	
1200	SKHB12 Plus ²	\$13020.00	\$12629.00	SKPA12	\$14894.00	\$14381.00			-	
				SKPB12 Plus	\$20464.00	\$20190.00				

¹240 volts ac maximum.

²MicroVersaTrip[®] Plus circuit breaker in mid cycle. See pricing page 10-67 for options and page 10-71 for accessories.

Main Circuit Breaker-Group Mounted-80% Rated-MicroVersaTrip[®] PM Trip Units³

Mains		List Price Each, GO-108A									
Maximum		Standard Frames		1	High Interrupting			Current Limiting		Ship	
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Cycle	
400	SGHB4 PM	\$10368.00	\$10186.00				SGLB4 PM	\$12478.00	\$12106.00		
400		\$10368.00	\$10186.00	_	_	_	SGPB4 PM	\$14827.00	\$13943.00		
600	SGHB6 PM \$12552.00		SGHB6 PM \$12552.00 \$12312.00			SGLB6 PM	\$13568.00	\$12809.00			
600		\$12552.00 \$12512.00		_	_	SGPB6 PM	\$16718.00	\$15667.00			
800	SKHB8 PM		KHB8 PM \$15228.00 \$14908.	\$14908.00	SKLB8 PM	\$15986.00	\$15654.00		_	_	
800	SKHBO PM	\$15228.00	\$14908.00	SKPB8 PM	\$21651.00	\$21329.00	_	—	—		
1000		¢15760.00	\$14971.00	SKLB12 PM	\$18195.00	\$17823.00					
1000	SKHB12 PM \$15348.00	\$14971.00	SKPB12 PM	\$22794.00	\$19592.00	_	_	_			
1200	1200 SKHB12 PM \$17942.00	¢17042.00	¢17611.00	SKLB12 PM	\$18701.00	\$18369.00					
1200		SKHB12 PM \$17942.00 \$17611.00	\$17611.00	SKPB12 PM	\$25814.00	\$25540.00	_		_		

³ Breakers with MicroVersaTrip® PM trip units must use a Voltage Module. Priced separately. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space.

See pricing page 10-67 for options and page 10-71 for accessories.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Incoming Line—Group Mounted Mains (Plug-in Style)

Main Circuit Breaker—Group Mounted—100% Equipment Rated

Mains	List Price Each, GO-108A									
Maximum	Sto	andard Frames		Hi	gh Interrupting		Ship			
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Cycle			
800				SKLLA8	\$10668.00	\$10247.00				
	SKHHA8	\$10934.00	\$10399.00	SKLLB8 Plus ¹	\$13038.00	\$12598.00	1			
	SKHHB8 Plus ¹	\$11379.00	\$10990.00	SKLLB8 PM ²	\$17639.00	\$17236.00	1			
	SKHHB8 PM ²	\$16729.00	\$16340.00	SKPPA8	\$14569.00	\$14225.00	1			
				SKPPB8 Plus ¹	\$18202.00	\$17942.00	1			
				SKPPB8 PM ²	\$23552.00	\$23292.00	1			
				SKLLA12	\$11980.00	\$11485.00	- M			
	SKHHA10	\$11684.00	\$10592.00	SKLLB12 Plus ¹	\$14772.00	\$14344.00	1			
	SKHHB10 Plus ¹	\$12580.00	\$12135.00	SKLLB12 PM ²	\$19499.00	\$19051.00	1			
1000	SKHHB10 PM ²	\$18493.00	\$18063.00	SKPPA12	\$15947.00	\$15352.00	1			
				SKPPB12 Plus ¹	\$22510.00	\$22209.00	1			
				SKPPB12 PM ²	\$26034.00	\$25746.00	1			

¹MicroVersaTrip[®] Plus circuit breaker. Breakers with MicroVersaTrip[®] Plus trip units with optional control power require a Power Supply. **Add \$1000** list for 1-Distribution Cable Junction Box and 1-Distribution Cable Harness for each breaker with this option. See pricing page 10-67 for options and page 10-71 for accessories.

² MicroVersaTrip® PM circuit breaker in N cycle. Breakers with MicroVersaTrip® PM trip units must use a Voltage Module. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space. See pricing page 10-67 for options and page 10-71 for accessories.

Main Fusible Switch-Spectra® Series Only-240 Volts ac ADS Fusible Switch

Standard (Class R) fuse clips are furnished. For optional fuse clips see pricing table for notes. Fuses are not included.

Max.		ce Each, 108A	– Ship Max. —		List Price Each, GO-108A		_ Ship
Amp	3-ph, 4-w	3-ph, 3-w	Cycle	Amp	3-ph, 4-w	3-ph, 3-w	Cycle
200	\$2048.00	\$1899.00	S	800	\$8350.00	\$8026.00	S
400	\$3766.00	\$3596.00	S	3	_	_	S
600	\$5071.00	\$4815.00	S	1200	\$9779.00	\$9379.00	S
-	-	-	S	3	-	-	S

Main Fusible Switch–Spectra® Series Only–600 Volts ac ADS Fusible Switch

Standard (Class R) fuse clips are furnished. For optional fuse clips see pricing table for notes. Fuses are not included.

May	List Price Each, GO-108A			Max.	List Prio GO-	— Ship	
Amp	3-ph, 4-w	3-ph, 3-w	– Ship Cycle	Amp	3-ph, 4-w	3-ph, 3-w	Cycle
200	\$2350.00	\$2220.00	S	800	\$8361.00	\$8026.00	S
400	\$4298.00	\$4152.00	S	3	_	_	S
600	\$5285.00	\$5030.00	S	1200	\$9779.00	\$9379.00	S
-	_	_	S	3	_	_	S

³800 and 1200-amp ratings arranged for Class "L" current limiting fuses only.

Optional Fuse Clips

Fuse Class	Availability	Ship Cycle
R	Standard 30-200A Switches	S
L	Standard 800, 1200A Switches	S
H, J, K, T	No Charge—Specify on Order	S



Switchboards Spectra[®] Series Switchboards Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Plug-in Style)

Molded Case Circuit Breaker Feeders-80% Rated-Standard Frames

							ach, GO-108A d Frames			
Branch	Max	Breaker	Trip		Per Circuit			Space Only ²		Ship
Mounting	Volts	Frame	Range	*3P	*2P	1P	3P	2P	1P	Cycle
Twin	120/240	THQB1	15-60	_	\$257.00	\$150.00	_	\$214.00	\$107.00	
Twin	120/240	THQB1	70	_	\$305.00 ³	\$187.00	_	\$214.00	\$107.00	
Twin	120/240	THQB1	80-100	_	\$342.00 ³	-	_	\$214.00	-	
Twin	240	THQB1	15-60	\$411.00	\$342.00	-	\$333.00	\$214.00	_	
Twin	240	THQB1	70	\$459.00	\$407.00	_	\$333.00	\$214.00	-	
Twin	240	THQB1	80-100	\$550.00	\$460.00	_	\$333.00	\$214.00	_	
Twin	240	TEB	15-60	\$599.00	\$406.00	\$200.00	\$333.00	\$214.00	\$107.00	
Twin	240	TEB	70-100	\$699.00	\$526.00	\$260.00	\$333.00	\$214.00	\$107.00	
Twin	240	TQD ⁵	125-225	\$1058.00	\$913.00	_	\$333.00	\$214.00	_	
Twin	240	SGDA	250-400	\$2687.00	\$2314.00	_	\$646.00	\$646.00	_	
Twin	480Y/277	TEY ^{4,5}	15-60	\$610.00	\$428.00	\$203.00	\$333.00	\$214.00	\$107.00	
Twin	480Y/277	TEY ^{4,5}	70-100	\$679.00	\$503.00	\$246.00	\$333.00	\$214.00	\$107.00	
Twin	480	TED4	15-60	\$790.00	\$594.00	\$205.00	\$333.00	\$214.00	\$107.00	
Twin	480	TED4	70-100	\$879.00	\$653.00	_	\$333.00	\$214.00	_	
Twin	480	TED4	110-150	\$1639.00	_	_	\$333.00	_	_	
Twin	600	TED6	15-60	\$879.00	_	_	\$333.00	_	_	S
Twin	600	TED6	70-100	\$957.00	_	_	\$333.00	_	_	
Twin	600	TED6	110-150	\$1654.00	_	_	\$333.00	_	_	
Twin	600	SEDA	15-60	\$1009.00	\$759.00 ⁸	_	\$333.00	\$333.00		
Twin	600	SEDA	70-100	\$1102.00	\$828.00 ⁸	_	\$333.00	\$333.00	_	
Twin	600	SEDA	110-150	\$1884.00	\$1422.00 ⁸	_	\$333.00	\$333.00	_	
Single or Twin	600	SFHA	70-225	\$1917.00	\$1471.00	_	\$333.00	\$333.00	_	
Single or Twin	600	SFHA	250	\$2183.00	\$1798.00	_	\$333.00	\$333.00	_	
ingle ⁷ or Twin	600	SGHA4	125-400	\$2856.00	\$2443.00	_	\$455.00	\$455.00	_	
Single ⁷ or Twin	600	SGHB4 ⁶	60-400	\$5432.00	_	_	\$646.00	_	_	
Single ⁷ or Twin	600	SGHA6	250-600	\$4206.00	\$3421.00	_	\$455.00	\$455.00	_	
ingle ⁷ or Twin	600	SGHB6 ⁶	250-600	\$6176.00	_	_	\$646.00	_		
Single	600	SKHA8	300-800	\$6017.00	\$5152.00	_	\$1318.00	\$1318.00	_	
Single	600	SKHB8 ⁶	300-800	\$9126.00	_	_	\$1764.00	_	_	
Single	600	SKHA12	1000	\$7242.00	\$6323.00	_	\$1764.00	\$1764.00		
Single	600	SKHA12	1200	\$9721.00	\$8906.00	_	\$1764.00	\$1764.00	_	
Single	600	SKHB126	1000-12000	\$10047.00	-	_	\$1764.00	_	_	
Jingie		5111012	1000-12000	\$10041.00			\$1,04.00			

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height.

Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹Not available in Bolt-on design.

²Space unit includes vertical bus and filler plate only. MicroVersaTrip® circuit breaker spaces are 4 pole (includes 1X for side control wiring space.)

³Use only on 3-ph, 4-wire 208Y/120 volts systems.

⁴Use only on 3-ph, 4-wire systems, 480Y/277 volts maximum.

⁵Spectra® Series only.

⁶MicroVersaTrip[®] Plus circuit breaker. See pricing table on page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip[®] Plus trip units with optional control power require a power supply. Refer to Table for pricing. Add \$1000 list for 1-Distribution Cable Junction Box and

1-Distribution Cable Harness for each breaker with this option.

⁷SG6 and SG4 can be twin mounted in section rated for 2000A or less.

⁸2-pole device is rated 480 Vac max.





Section 10

Switchboards Spectra[®] Series Switchboards Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Plug-in Style)

Molded Case Circuit Breaker Feeders-80% Rated-High Interrupting and Current Limiting

					Hig		ch, GO-108A nd Current Limit	ing			
Branch	Max	Breaker	Trip		Per Circuit			Space Only		Hardware	Ship
Mounting	Volts	Frame	Range	*3P	*2P	1P	3P	2P	1P	Only	Cycle
Twin	120/240	THHQB1	15-60	_	\$294.00	\$171.00	_	\$214.00	\$107.00		
Twin	120/240	THHQB ¹	70	_	\$337.00 ²	\$209.00	_	\$214.00	\$107.00		
Twin	120/240	THHQB ¹	80-100	_	\$385.00 ²	_	_	\$214.00	_		
Twin	240	THHQB1	15-60	\$471.00	\$385.00	-	\$333.00	\$214.00	-		
Twin	240	THHQB ¹	70	\$535.00	\$449.00	-	\$333.00	\$214.00	-		
Twin	240	THHQB ¹	80-100	\$610.00	\$514.00	-	\$333.00	\$214.00	-		
Twin	240	THQD	125-225	\$1177.00	\$1151.00	-	\$333.00	\$333.00	-		
Twin	240	THED	15-30	_	_	\$493.00	_	-	\$107.00		
Twin	480	THED4	15-60	_	\$878.00 ³	-	_	\$214.00	-		
Twin	480	THED4	70-100	_	\$926.00	-	_	\$214.00	-		
Twin	600	FCS6	15-60	\$1001.00	\$900.00	-	\$333.00	\$333.00	-		
Twin	600	FCS6	70-100	\$1085.00	\$976.00	_	\$333.00	\$333.00	_		
Twin	600	THED6	15-60	\$1188.00	_	_	\$333.00	-	-		
Twin	600	THED6	70-100	\$1288.00	_	_	\$333.00	_	_		
Twin	600	THED6	110-150	\$2521.00	-	-	\$333.00	-	-		
Twin	600	FBV6	15-60		Dec el c	and a second shifts and	Read of the standard second				
Twin	600	FBV6	70-100		Breake	r not available at	time of printing				
Twin	600	FCV6	15-60	\$1148.00	\$1033.00	_	\$333.00	\$333.00	_		
Twin	600	FCV6	70-100	\$1250.00	\$1125.00	_	\$333.00	\$333.00	_		
Twin	600	SEHA	15-60	\$1091.00	\$1008.00	_	\$333.00	\$333.00	_		_
Twin	600	SEHA	70-100	\$1188.00	\$1065.00	_	\$333.00	\$333.00	_		S
Twin	600	SEHA	110-150	\$2311.00	\$2087.00	_	\$333.00	\$333.00	_		
Twin	600	FBN6	15-60								
Twin	600	FBN6	70-100		Breake	r not available at	time of printing				
Twin	600	FCN6	15-60	\$1824.00	\$1641.00	_	\$333.00	\$333.00	_		
Twin	600	FCN6	70-100	\$2031.00	\$1827.00	_	\$333.00	\$333.00	_		
Twin	600	SELA	15-60	\$1733.00	\$1386.00 ⁴	_	\$333.00	\$333.00	_		
Twin	600	SELA	70-100	\$1930.00	\$1541.00 ⁴	_	\$333.00	\$333.00	_		
Twin	600	SELA	110-150	\$2729.00	\$2290.00 ⁴	_	\$333.00	\$333.00	_		
Twin	600	FBH6	15-60	<i>42725.00</i>				\$353.00			
Twin	600	FBH6	70-100		Breake	r not available at	time of printing				
Twin	600	FCH6	15-60	\$2213.00	\$1991.00	_	\$333.00	\$333.00	_		
Twin	600	FCH6	70-100	\$2489.00	\$2240.00	_	\$333.00	\$333.00	_		
Twin	600	SEPA	15-60	\$2103.00	\$1880.00 ⁴	_	\$333.00	\$333.00	_		
Twin	600	SEPA	70-100	\$2365.00	\$1883.00 ⁴		\$333.00	\$333.00	_		
Twin	600	SEPA	110-150	\$3467.00	\$2771.00 ⁴		\$333.00	\$333.00			
Twin	600	FBL6	15-60	\$3 4 07.00	42111.00		4353.00	4555.00			
Twin	600	FBL6	70-100		Breake	r not available at	time of printing				
Twin	600	FBL6 FCL6	15-60	\$2677.00	\$2409.00	_	\$333.00	\$333.00	_		
Twin	600	FCL6 FCL6	70-100	\$3346.00	\$3011.00	-	\$333.00	\$333.00	-		

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height. Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹Not available in Bolt-on design.

²Use only on 3-ph, 4-wire 208Y/120 volts systems.

³Breaker frame is THED, ampere rated 14-30A only.

⁴2pole device is rated 480 Vac max.



Switchboards Spectra[®] Series Switchboards Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Plug-in Style)

Molded Case Circuit Breaker Feeders-80% Rated-High Interrupting and Current Limiting (Continued)

					High	n Interrupting	and Current Limit	ing		_	
Branch	Max	Breaker	Trin		Per Circuit			Space Only		– Hardware	Chin
Mounting	Volts	Frame	Trip Range	*3P	*2P	1P	3P	2P	1P	Only	Ship Cycle
Single or Twin	600	FES1T	20-150								
Single or Twin	600	FEV1T	20-150								
Single or Twin	600	FEN1T	20-150	_							
Single or Twin	600	FEH1T	20-150	_							
Single or Twin	600	FEL1T	20-150		Proglear	not quailable.	at time of printing				
Single or Twin	600	FES1E	20-150	_	DIEUKEI	not available	at time of printing				
Single or Twin	600	FEV1E	20-150	_							
Single or Twin	600	FEN1E	20-150								
Single or Twin	600	FEH1E	20-150	_							
Single or Twin	600	FEL1E	20-150								
Single or Twin	600	SFLA	70-225	\$2882.00	\$2422.00	-	\$333.00	\$333.00	_		
Single or Twin	600	SFLA	250	\$3515.00	\$2953.00	_	\$333.00	\$333.00	_		
Twin	600	SFPA	70-225	\$4002.00	\$3199.00	-	\$333.00	\$333.00	_		
Twin	600	SFPA	250	\$4558.00	\$3906.00	_	\$333.00	\$333.00	_		
Single or Twin	600	FES2T	70-250								
Single or Twin	600	FEV2T	70-250	-							
Single or Twin	600	FEN2T	70-250	-							
Single or Twin	600	FEH2T	70-250	-							
Single or Twin	600	FEL2T	70-250	-							
Single or Twin	600	FES2E	70-250	-	Breaker	not available	at time of printing				
Single or Twin	600	FEV2E	70-250	-							
Single or Twin	600	FEN2E	70-250	-							
Single or Twin	600	FEH2E	70-250	-							
Single or Twin	600	FEL2E	70-250	-							
Single or Twin	600	FGV2	125-250	\$2856.00	\$2443.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGN2	125-250	\$4047.00	\$3238.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGH2	125-250	\$5071.00	\$4210.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGL2	125-250	\$5820.00	\$4830.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGP2	125-250	\$6326.00	\$5250.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	SGLA4	125-400	\$4047.00	\$3238.00	_	\$455.00	\$455.00	_	+	S
Single or Twin	600	SGLB4 ¹	60-400	\$6765.00	_	_	\$646.00	_	_		
Single or Twin	600	SGPA4	125-400	\$5061.00	\$4200.00	_	\$455.00	\$455.00	_		
Single or Twin	600	SGPB4 ¹	60-400	\$8460.00	_	_	\$646.00	_	_		
Single or Twin	600	FGV4	250-400	\$2856.00	\$2443.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGN4	250-400	\$4047.00	\$3238.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGH4	250-400	\$5071.00	\$4210.00	_	\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600	FGL4	250-400	\$5820.00	\$4830.00	_	\$455.00	\$455.00	-	\$1481.00	
Single or Twin	600	FGP4	250-400	\$6326.00	\$5250.00		\$455.00	\$455.00		\$1481.00	
Single or Twin	600	SGLA6	250-600	\$4951.00	\$4127.00	_	\$455.00	\$455.00	_	\$1401.00	
Single or Twin	600	SGLR6 ¹	250-600	\$7147.00	φ4127.00 	_	\$646.00	\$ 4 55.00	_		
Single or Twin	600	SGPA6	250-600	\$6506.00	\$5211.00	_	\$455.00	\$455.00	_		
Single or Twin	600	SGPB6 ¹	250-600	\$9813.00	-		\$646.00	-			
	600	FGV6	400-600	\$4206.00	\$3421.00		\$455.00	\$455.00		\$1481.00	
Single or Twin	600	FGV6 FGN6	400-600	\$4206.00		_			-	\$1481.00	
Single or Twin	600	FGH6	400-600	\$6516.00	\$4127.00		\$455.00	\$455.00		\$1481.00	
Single or Twin	600				\$5221.00	_	\$455.00	\$455.00	_		
Single or Twin		FGL6 FGP6	400-600	\$7482.00	\$5993.00		\$455.00	\$455.00	_	\$1481.00	
Single or Twin	600		400-600	\$8133.00	\$6514.00	-	\$455.00	\$455.00	-	\$1481.00	
Single	600	SKLA8	300-800	\$6803.00	\$5897.00		\$1318.00	\$1318.00			
Single	600	SKLB81	300-800	\$9992.00			\$1764.00				
Single	600	SKPA8	300-800	\$8844.00	\$7517.00	-	\$1318.00	\$1318.00	-		
Single	600	SKPB81	300-800	\$12989.00		-	\$1764.00		-		
Single	600	SKLA12	1000	\$8026.00	\$7122.00	-	\$1764.00	\$1764.00	-		
Single	600	SKLA12	1200	\$10464.00	\$9451.00	_	\$1764.00	\$1764.00	-		
Single	600	SKLB12 ¹	1000-1200	\$11216.00	_	-	\$1764.00	_	-		
Single	600	SKPA12	1000	\$9630.00	\$8212.00	-	\$1764.00	\$1764.00	-		
Single	600	SKPA12	1200	\$12573.00	\$10684.00	-	\$1764.00	\$1764.00	-		
Single	600	SKPB12 ¹	1000-1200	\$13477.00	-	_	\$1764.00	—	-		

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height.

Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹MicroVersaTrip[®] Plus circuit breaker. See pricing table on page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip[®] Plus trip units with optional control power require a power supply. Refer to Table for pricing. Add \$1000 list for 1-Distribution Cable Junction Box and 1-Distribution Cable Harness for each breaker with this option.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra[®] Series Switchboards (Plug-in Style)

Molded Case Circuit Breaker Feeders

MicroVersaTrip[®] PM¹ Trip Units for SG and SK Molded Case Breakers

Circu	it Breaker			Lis	st Price				
			Standard Frames			ligh Interrupting a	nd Current Limiting		
Max. Breaker	Trip	Per Circuit	Space ²	Breaker	Trip	Per Circuit	Space ²	Ship	
Volts	Frame	Range	3-Pole	3-Pole	Frame	Range	3-Pole	3-Pole	Cycl
	SGHB PM	60-400	\$10782.00	\$862.00	SGLB PM	60-400	\$12115.00	\$862.00	
						60-400	\$13810.00	\$862.00	
	-		_	_	SGPB PM	500-600	\$15162.00	\$862.00	
600	SKHB8 PM	300-800	\$14476.00	\$2353.00	SKLB8 PM	300-800	\$15342.00	\$2353.00	
600	-	-	-	-	SKPB8 PM	300-800	\$18339.00	\$2353.00	- N
	01/11/01/01/01	1000	\$15397.00	\$2353.00	0/// 040 014	1000	\$16566.00	\$2353.00	
	SKHB12 PM	1200	\$15397.00	\$2353.00	SKLB12 PM	1200	\$16566.00	\$2353.00	
	_					1000	\$18827.00	\$2353.00	
		-	-	-	SKPB12 PM	1200	\$18827.00	\$2353.00	

¹MicroVersaTrip® PM circuit breaker. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space for each breaker. Breakers with MicroVersaTrip® PM trip units must use a Voltage Module.

See pricing page 10-67 for options and page 10-71 for accessories.

²Space unit includes vertical bus and filler plate only. MicroVersaTrip[®] PM circuit breaker spaces are 4 pole (includes 1X for side control wiring space). See pricing page 10-67 for options and page 10-71 for accessories.

Spectra® Series Molded Case Circuit Breaker Feeders

100% Equipment Rated for SG and SK Molded Case Breakers

Circuit Breaker Standard Frames High Interrupting and Current Limiting Per Circuit Space^{1,2} Per Circuit Space¹ List Price Breaker Trip GO-108A GO-108A GO-108A GO-108A Breaker Trip GO-108A GO-108A GO-108A GO-108A Ship Max Volts Frame Range 3-Pole 2-Pole 3-Pole 2-Pole Frame Range 3-Pole 2-Pole 3-Pole 2-Pole Cycle SGHHA4 125-400 \$3427.00 \$2932.00 \$455.00 \$455.00 SGLLA4 125-400 \$4866.00 \$3885.00 \$455.00 \$455.00 \$5972.00 \$455.00 \$455.00 SGPPA4 125-400 \$5040.00 SKHHA8 300-800 \$7220.00 \$6182.00 \$1318.00 \$1318.00 SKLLA8 300-800 \$8164.00 \$7076.00 \$1318.00 \$1318.00 300-800 \$10612.00 \$9020.00 \$1318.00 \$1318.00 SKPPA8 SKHHA12 1000 \$8689.00 \$7587.00 \$1764.00 \$1764.00 SKLLA12 1000 \$9631.00 \$5697.00 \$1764.00 \$1764.00 SKPPA127 1000 \$12038.00 \$9856.00 \$1764.00 \$1764.00 Μ SGHHB4 Plus⁴ 60-400 \$5771.00 \$646.00 SGLLB4 Plus 60-400 \$7779.00 \$646.00 SGPPB4 Plus⁴ 60-400 \$9730.00 \$646.00 SKHHB8 Plus⁴ 300-800 \$10495.00 \$1764.00 SKLLB8 Plus4 300-800 \$11490.00 \$1764.00 600 SKPPB8 Plus² 300-800 **\$14937.00** \$1764.00 SKHHB12 Plus4, 1000 \$11509.00 \$1764.00 SKLLB12 Plus⁴ \$1764.00 1000 \$12898.00 SKPPB12 Plus⁴ \$15498.00 \$1764.00 SGHHB4 PM5 60-400 \$11121.00 \$862.00 SGLLB4 PM 60-400 \$13129.00 \$862.00 SGPPB4 PM⁵ 60-400 \$15080.00 \$862.00 SKHHB8 PM5 300-800 **\$15485.00** \$2353.006 SKLLB8 PM⁵ 300-800 \$16840.00 \$2353.00 Ν SKPPB8 PM⁵ 300-800 \$20287.00 \$2353.00⁶ SKHHB12 PM5,7 1000 \$16859.00 \$2353.00⁶ SKLLB12 PM5, 1000 \$18248.00 \$2353.006 SKPPB12 PM5,7 1000 \$20848.00 \$2353.00

¹Unit space price includes vertical bus and filler space only.

²Maximum IC rating cannot exceed 100kA regardless of circuit breaker or voltage.

³100% rated for section ratings up to 2000A max. 80% rated for 2500-4000A.

⁴MicroVersaTrip® Plus circuit breaker. Add \$1000.00 list for 1-Distribution Cable Junction Box and 1-Distribution Cable Harness for each breaker.

⁵MicroVersaTrip® PM circuit breaker. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plater for side control wiring space for each breaker. See pricing page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip® PM trip units must use a Voltage Module. See 10-70.

⁶MicroVersaTrip[®] PM circuit breaker spaces are 4 pole (includes 1X for side control wiring space).

⁷1220A must have fully rated bus. Copper lugs must be used on line or load side of breaker.



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Section 10

GO-108A

Switchboards Spectra[®] Series Switchboards Group Mounted—Feeder Section Class 1, Class 2 (Plug-in Style)

Fusible Feeder ADS Type—Spectra® Plug-in Series Only

Standard (Class R) fuse clips are furnished. For optional fuse clips, see table below. Fuses not included.

					List Price Eac	h, GO-108A					
			240	Volts		600 Volts					
	Ampere	3-Pole		2-	2-Pole		3-Pole		2-Pol e		
Unit Type	Rating	Complete	Unit Space ³	Complete	Unit Space ¹	Complete	Unit Space ¹	Complete	Unit Space ¹	 Ship Cycle 	
	30/30	\$878.00	\$314.00	\$725.00	\$314.00	\$1211.00	\$314.00	\$1058.00	\$314.00		
	30/Blank	\$672.00	\$314.00	\$579.00	\$314.00	\$951.00	\$314.00	\$878.00	\$314.00	-	
	60/60	\$878.00	\$314.00	\$725.00	\$314.00	\$1211.00	\$546.00	\$1058.00	\$546.00	-	
Double	60/Blank	\$672.00	\$314.00	\$579.00	\$314.00	\$951.00	\$546.00	\$878.00	\$546.00	-	
Branch ²	100/100	\$1177.00	\$546.00	\$799.00	\$546.00	\$1457.00	\$546.00	\$1211.00	\$546.00		
	100/Blank	\$878.00	\$546.00	\$579.00	\$546.00	\$951.00	\$546.00	\$878.00	\$546.00	-	
	200/200	\$2848.00	\$733.00	\$2422.00	\$733.00	\$3488.00	\$733.00	\$3022.00	\$733.00	S	
	200/Blank	\$1424.00	\$733.00	\$1211.00	\$733.00	\$1744.00	\$733.00	\$1511.00	\$733.00	-	
	200	\$1424.00	\$733.00	\$1211.00	\$733.00	\$1744.00	\$733.00	\$1511.00	\$733.00	-	
	400	\$2810.00	\$1058.00	\$2263.00	\$1058.00	\$3342.00	\$1058.00	\$2810.00	\$1058.00	-	
Single Branch	600	\$3901.00	\$1058.00	\$3214.00	\$1058.00	\$4087.00	\$1058.00	\$3635.00	\$1058.00	-	
bruilti .	800 ³	\$6843.00	\$2237.00	\$5936.00	\$2237.00	\$6843.00	\$2237.00	\$5936.00	\$2237.00	_	
	1200 ³	\$7761.00	\$2237.00	\$6589.00	\$2237.00	\$7761.00	\$2237.00	\$6589.00	\$2237.00	_	

 $^1\,\mathrm{Unit}$ space price includes vertical bus and filler plate only.

² List price is per pair of circuits of the same number of poles. When circuits of a double branch unit are of different amp ratings, such as a 100-amp—60 amp or 100 amp—30 amp, price and layout as a 100 amp—100 amp unit. Also, when a two-pole circuit is desired, opposite a three-pole circuit, price as a three-pole

double-branch unit.

³Arranged for Class L current limiting fuses only.

Optional Fuse Clips

Fuse Class	Availability	Ship Cycle	
R	Standard 30-200A Switches	S	
L	Standard 800, 1200A Switches	S	
H, J, K, T	No Charge—Specify on Order	S	

Molded Case Switches⁴

	Circuit Breaker					
	Ro	iting	List Price Each,	Ship		
Туре	ac Volts	Max. Amps	GO-108A	Cycle		
Standard Frames	5					
SE150	600	150				
SF250	600	225	Price as a	N		
SG600	600	600	Standard Spectra Circuit Breaker	N		
SK1200	600	1200				

⁴Equipment may not be UL Listed when molded case switches are furnished.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Options and Accessories (Plug-in Style)

(Specify overload FLA included in price) Description: 15hp max, 22A, 600V max Configuration: 3PH, 3W, and ground

Spectra[®] Series PCU (Process Control Unit) Selection Guide

Spectra[®] PCU Expansion Kit

(Kit to expand or rebuild PCU units)

Product Number	List Price GO-101	Ship Cycle
APCUEKAF (left side)	\$2007.00	М
APCURKAF (right side)	\$2007.00	М

Section 10

Pilot Device	Mount ¹	Product Number ²	List Price GO-101	Ship Cycle
Yes	Double	APCU151FNDPD**	\$4477.00	М
Yes	Single	APCU151FNDPSX*	\$2239.00	М
No	Double	APCU151FNDND**	\$4218.00	М
No	Single	APCU151FNDNSX*	\$2109.00	М
1Add 3 X He	iaht for each u	nit as part of Switchboard F	Price	

¹Add 3 X Height for each unit as part of Switchboard Price. ²Replace* with overload range from PCU Table.

Spectra® PCU Empty Units

PCU Overload Selection

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Product Number	List Price GO-101	Chin Cuala
APCUDCAN 4X	\$600.00	Ship Cycle
APCUDCAN 7X	\$700.00	M

Spectra® PCU Control Power Transformer Kits

Continuous kVA	Primary Voltage	Capacity	Product Number	List Price GO-101	Ship Cycle
.200	600	Standard	APCUCKA200	\$913.00	Μ
.300	600	Extra	APCUCKA300	\$1002.00	М
.200	480/240	Standard	APCUCKB200	\$914.00	М
.300	480/240	Extra	APCUCKB300	\$907.00	М
.200	208	Standard	APCUCKC200	\$938.00	М
.300	208	Extra	APCUCKC300	\$938.00	М

*	Overload Range
В	0.16-0.26A
С	0.25-0.41A
D	0.40-0.65A
F	0.65-1.1A
G	1.0-1.5A
Н	1.3-1.9A
J	1.8-2.7A
К	2.5-4.1A
L	4.0-6.3A
М	5.5-8.5A

8.0-12.0A

10.0-16.0A

14.5-18.0A

17.5-22.0A BLANK

Spectra® PCU Pilot Light Option

Product Number	List Price GO-101	Ship Cycle
APCUKPLT	\$143.00	М

Spectra® PCU Wiring Kit

(Optional kit for remote wiring)

	List Price	
Product Number	GO-101	Ship Cycle
APCUWK	\$14.00	М

Section 10

Incoming Line—Group Mounted Mains (Bolt-on Style)

Main Lugs

Use only when no main protective device is required on switchboard. Lugs mounted on panel.

List Price Ead	ch, GO-108A	
3-phase, 4-wire	3-phase, 3-wire	Ship Cycle
\$853.00	\$690.00	S
\$1132.00	\$889.00	S
\$1449.00	\$1100.00	S
\$1915.00	\$1524.00	S
\$1915.00	\$1524.00	S
\$2563.00	\$2021.00	S
\$3054.00	\$2413.00	S
	3-phase, 4-wire \$853.00 \$1132.00 \$1449.00 \$1915.00 \$1915.00 \$2563.00	\$853.00 \$690.00 \$1132.00 \$889.00 \$1449.00 \$1100.00 \$1915.00 \$1524.00 \$1915.00 \$1524.00 \$2563.00 \$2021.00

Service Entrance Equipment (SE Label)

Switchboards used as service entrance equipment (maximum six sub-main devices) include a UL service entrance label, a neutral bonding jumper, neutral disconnect link, ground bus, and grounding electrode. List price addition \$450, GO-108A. Ground-fault protection is required by NEC on main service disconnect at 1000 amperes and greater, on 480Y/277 volt solidly grounded systems, and must be priced separately.

Main Circuit Breaker-Group Mounted-80% Rated

Mains				List	Price Each, GO-1	L08A				
Maximum	9	Standard Frames			High Interrupting	9		Current Limiting		
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Ship Cyc
	SGDA ¹	\$3985.00	\$3792.00				SGLA4	\$4912.00	\$4454.00	
	SGHA4	\$4284.00	\$4099.00	-			SGLB4 Plus ²	\$6700.00	\$6377.00	-
	SGHB4 Plus ²	\$6000.00	\$5786.00	-			SGPA4	\$6530.00	\$6400.00	
							SGPB4 Plus ²	\$8857.00	\$8031.00	
400				-	_	_	FGV4	\$6000.00	\$5786.00	
							FGV6	\$4912.00	\$4454.00	
							FGH4	\$4922.00	\$4464.00	
							FGL4	\$7510.00	\$7360.00	
							FGP4	\$8163.00	\$8000.00	
							SGLA6	\$5661.00	\$5360.00	
	SGHA6	\$5001.00	\$4803.00	1			SGLB6 Plus ²	\$7680.00	\$6971.00	
	SGHB6 Plus ²	\$6731.00	\$6507.00	-			SGPA6	\$7840.00	\$7590.00	
							SGPB6 Plus ²	\$10624.00	\$9642.00	
600				_	_	_	FGV6	\$5001.00	\$4803.00	
							FGN6	\$5661.00	\$5360.00	
							FGN6	\$5671.00	\$5370.00	S
							FGL6	\$9016.00	\$8729.00	-
							FGP6	\$9800.00	\$9488.00	
				SKLA8	\$9925.00	\$9459.00				
800	SKHA8	\$8416.00	\$8033.00	SKLB8 Plus ²	\$12140.00	\$11749.00				
800	SKHB8 Plus ²	\$10232.00	\$9916.00	SKPA8	\$11840.00	\$11460.00				
				SKPB8 Plus ²	\$15235.00	\$14934.00				
				SKLA12	\$10130.00	\$9750.00				
1000	SKHA12	\$9433.00	\$8991.00	SKLB12 Plus ²	\$12205.00	\$11890.00				
1000	SKHB12 Plus ²	\$10344.00	\$9981.00	SKPA12	\$12670.00	\$12290.00	_	_	_	
				SKPB12 Plus ²	\$16303.00	\$13310.00				
				SKLA12	\$11608.00	\$11235.00				
1200	SKHA12	\$10873.00	\$10513.00	SKLB12 Plus ²	\$12478.00	\$12167.00				
1200	SKHB12 Plus ²	\$12168.00	\$11803.00	SKPA12	\$13920.00	\$13440.00		—	_	
				SKPB12 Plus ²	\$19125.00	\$18869.00	1			

¹240 volts ac maximum.

²MicroVersaTrip[®] Plus circuit breaker in mid cycle. See page 10-67 for options and page 10-71 for accessories.

Main Circuit Breaker-Group Mounted-80% Rated-MicroVersaTrip® PM Trip Units³

Mains				List	Price Each, GO-10	8A									
Maximum		Standard Frames			High Interrupting			Current Limiting		Ship					
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Cycl					
	001107-014	*****	*****				SGLB4 PM	\$11662.00	\$11314.00						
400	SGHB4 PM \$9690	\$9690.00	\$9520.00	_	_	_	SGPB4 PM	\$13857.00	\$13031.00						
c	600 SGHB6 PM \$11	COURCENA	CCUDC DM	C DM #11771.00							SGLB6 PM	\$12680.00	\$11971.00	N	
600		\$11731.00	\$11507.00	_	-	_	SGPB6 PM	\$15624.00	\$14642.00						
	01/11/20 204				SKLB8 PM	\$14940.00	\$14630.00								
800	SKHB8 PM	\$14232.00	\$13933.00	SKPB8 PM	\$20235.00	\$19934.00		_	-	N					
1000								* 13000.00	SKLB12 PM	\$17005.00	\$16657.00				
1000	SKHB12 PM	\$14344.00	\$13992.00	SKPB12 PM	\$21303.00	\$18310.00	1 –	_	_	N					
4000		******	*****	SKLB12 PM	\$17478.00	\$17167.00									
1200	1200 SKHB12 PM	HB12 PM \$16768.00 \$16459.		SKPB12 PM	\$24125.00	\$23869.00	1 –	-	-	N					

³Breakers with MicroVersaTrip® PM trip units must use a Voltage Module. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra® Series Switchboards

Incoming Line—Group Mounted Mains (Bolt-on Style)

Main Circuit Breaker–Group Mounted–100% Equipment Rated

Mains			List Price Ea	ch, GO-108A			
Maximum	Sta	ndard Frames		Hig		Ship	
Amps	Frame	3-ph, 4-w	3-ph, 3-w	Frame	3-ph, 4-w	3-ph, 3-w	Cycle
				SKLLA8	\$9976.00	\$9577.00	М
				SKLLB8 Plus ¹	\$12185.00	\$11774.00	М
	SKHHA8	\$10219.00	\$9719.00	SKLLB8 PM ²	\$16485.00	\$16108.00	М
800	SKHHB8 Plus ¹	\$10635.00	\$10271.00	SKPPA8	\$13616.00	\$13294.00	М
	SKHHB8 PM ²	\$15635.00	\$15271.00	SKPPB8 Plus ¹	\$17011.00	\$16768.00	М
				SKPPB8 PM ²	\$22011.00	\$21768.00	М
				SKLLA12 ^{1,3}	\$11196.00	\$10734.00	М
				SKLLB12 Plus ^{1,3}	\$13806.00	\$13406.00	М
4000	SKHHA12 ³	\$10359.00	\$9899.00	SKLLB12 PM ^{2,3}	\$18223.00	\$17805.00	М
1000	SKHHB12 Plus ^{1,3}	\$11756.00	\$11341.00	SKPPA12 ³	\$14904.00	\$14348.00	М
	SKHHB12 PM ^{2,3}	\$17283.00	\$16881.00	SKPPB12 Plus ^{1,3}	\$21037.00	\$20756.00	М
				SKPPB12 PM 2,3	\$24331.00	\$24062.00	М

¹ MicroVersaTrip® Plus circuit breaker. Breakers with MicroVersaTrip® Plus trip units with optional control power require a Power Supply. Add \$1000 list for 1-Distribution Cable Junction Box and 1-Distribution Cable Harness for each breaker with this option. See pricing page 10-67 for options and page 10-71 for accessories.

² MicroVersaTrip[®] PM circuit breaker in N cycle. Breakers with MicroVersaTrip[®] PM trip units must use a Voltage Module. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space.

³1200A must have fully rated bus. Copper lugs must be used on line or load side of breaker. See pricing page 10-67 for options and page 10-71 for accessories.

Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Bolt-on Style)

Molded Case Circuit Breaker Feeders—80% Rated—Standard Frames

									ach, GO-108A d Frames				
					Per Circuit			Space Only ²					
Branch Mounting	Max Volts	Breaker Frame	Trip - Range	*3P	*2P	1P	3P	2P	1P	Hardware Only	Ship Cycle		
Twin	120/240	THQB1	15-60	_	\$240.00	\$140.00	_	\$200.00	\$100.00	\$316.00			
Twin	120/240	THQB1	70	_	\$285.00 ³	\$175.00	_	\$200.00	\$100.00	\$316.00			
Twin	120/240	THQB1	80-100	_	\$320.00 ³	_	_	\$200.00	_	\$316.00			
Twin	240	THQB1	15-60	\$390.00	\$320.00	-	\$311.00	\$200.00	-	\$316.00			
Twin	240	THQB1	70	\$429.00	\$380.00	_	\$311.00	\$200.00	_	\$316.00			
Twin	240	THQB1	80-100	\$514.00	\$430.00	_	\$311.00	\$200.00	_	\$316.00			
Twin	240	TEB	15-60	\$560.00	\$379.00	\$187.00	\$311.00	\$200.00	\$100.00	\$316.00			
Twin	240	TEB	70-100	\$653.00	\$492.00	\$243.00	\$311.00	\$200.00	\$100.00	\$316.00			
Twin	240	TQD ⁵	125-225	\$989.00	\$853.00	_	\$311.00	\$200.00	_	\$316.00			
Twin	240	SGDA	250-400	\$2511.00	\$2163.00	-	\$425.00	\$425.00	-	\$1481.00			
Twin	480Y/277	TEY ^{4,5}	15-60	\$570.00	\$400.00	\$190.00	\$311.00	\$200.00	\$100.00	\$316.00			
Twin	480Y/277	TEY ^{4,5}	70-100	\$635.00	\$470.00	\$230.00	\$311.00	\$200.00	\$100.00	\$316.00			
Twin	480	TED4	15-60	\$739.00	\$555.00	\$192.00	\$311.00	\$200.00	\$100.00	\$316.00			
Twin	480	TED4	70-100	\$821.00	\$610.00	_	\$311.00	\$200.00	_	\$316.00			
Twin	480	TED4	110-150	\$1533.00	-	-	\$311.00	-	-	\$316.00	S		
Twin	600	TED6	15-60	\$821.00	_	-	\$311.00	_	-	\$316.00			
Twin	600	TED6	70-100	\$895.00	_	_	\$311.00	_	_	\$316.00			
Twin	600	TED6	110-150	\$1547.00	-	-	\$311.00	-	-	\$316.00			
Twin	600	SEDA	15-60	\$943.00	\$709.00 ⁸	-	\$311.00	\$311.00	-	\$316.00			
Twin	600	SEDA	70-100	\$1030.00	\$774.00 ⁸	_	\$311.00	\$311.00	_	\$316.00			
Twin	600	SEDA	110-150	\$1760.00	\$1330.00 ⁸	_	\$311.00	\$311.00	-	\$316.00			
Single or Twin	600	SFHA	70-225	\$1792.00	\$1375.00	-	\$311.00	\$311.00	-	\$779.00			
Single or Twin	600	SFHA	250	\$2040.00	\$1680.00	_	\$311.00	\$311.00	_	\$779.00			
Single ⁷ or Twin	600	SGHA4	125-400	\$2669.00	\$2283.00	_	\$425.00	\$425.00	_	\$1481.00			
Single ⁷ or Twin	600	SGHB4 ⁶	60-400	\$5077.00	_	_	\$604.00	_	_	\$1481.00			
Single ⁷ or Twin	600	SGHA6	250-600	\$3931.00	\$3197.00	-	\$425.00	\$425.00	-	\$1481.00			
Single ⁷ or Twin	600	SGHB6 ⁶	250-600	\$5772.00	_	_	\$604.00	_	_	\$1481.00			
Single	600	SKHA8	300-800	\$5623.00	\$4815.00	-	\$1232.00	\$1232.00	_	\$1854.00			
Single	600	SKHB8 ⁶	300-800	\$8529.00	_	_	\$1649.00	_	_	\$1854.00			
Single	600	SKHA12	1000	\$6768.00	\$5909.00	_	\$1649.00	\$1649.00	_	\$1854.00			
Single	600	SKHA12	1200	\$9085.00	\$8323.00	-	\$1649.00	\$1649.00	_	\$1854.00			
Single	600	SKHB12 ⁶	1000-12000	\$9390.00	_	_	\$1649.00	_	_	\$1854.00			

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height.

Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹Not available in Bolt-on design.

²Space unit includes vertical bus and filler plate only. MicroVersaTrip[®] circuit breaker spaces are 4 pole (includes 1X for side control wiring space.)

³Use only on 3-ph, 4-wire 208Y/120 volts systems.

⁴Use only on 3-ph, 4-wire systems, 480Y/277 volts maximum.

⁵Spectra[®] Series only.

⁶MicroVersaTrip[®] Plus circuit breaker. See pricing table on page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip[®] Plus trip units with optional control power require a power supply. Refer to Table for pricing. Add \$1000 list for 1-Distribution Cable Junction Box and

1-Distribution Cable Harness for each breaker with this option.

 $^7\mathrm{SG6}$ and SG4 can be twin mounted in section rated for 2000A or less.

⁸2-pole device is rated 480 Vac max.



Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Bolt-on Style)

Molded Case Circuit Breaker Feeders—80% Rated—High Interrupting and Current Limiting

					Hig		ich, GO-108A Ind Current Limit	ting			
Dununah	Maria	Breaker	Taia		Per Circuit			Space Only		Umdum	ch in
Branch Mounting	Max Volts	Frame	Trip Range	*3P	*2P	1P	3P	2P	1P	Hardware Only	Ship Cycle
Twin	120Y/240	THHQB1	15-60	_	\$275.00	\$160.00	_	\$200.00	\$107.00	\$316.00	
Twin	120Y/240	THHQB ¹	70	_	\$315.00	\$195.00	_	\$200.00	\$107.00	\$316.00	
Twin	120Y/240	THHQB1	80-100	-	\$360.00	-	-	\$200.00	-	\$316.00	
Twin	240	THHQB1	15-60	\$471.00	\$360.00	_	\$311.00	\$200.00	_	\$316.00	
Twin	240	THHQB ¹	70	\$535.00	\$420.00	_	\$311.00	\$200.00	_	\$316.00	
Twin	240	THHQB ¹	80-100	\$610.00	\$480.00	-	\$311.00	\$200.00	-	\$316.00	
Twin	240	THQD	125-225	\$1177.00	\$1076.00	_	\$311.00	\$311.00	-	\$316.00	
Twin	240	THED	15-30	_	_	\$461.00	_	_	\$107.00	\$316.00	
Twin	480	THED4	15-60	-	\$821.00	_	_	\$200.00	_	\$316.00	
Twin	480	THED4	70-100	_	\$865.00	_	_	\$200.00	_	\$316.00	
Twin	600	FCS6	15-60	\$935.00	\$845.00	_	\$311.00	\$311.00	-	\$316.00	
Twin	600	FCS6	70-100	\$1014.00	\$912.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	THED6	15-60	\$889.00	_	_	\$311.00	_	-	\$316.00	
Twin	600	THED6	70-100	\$964.00	_	_	\$311.00	_	-	\$316.00	
Twin	600	THED6	110-150	\$1885.00	_	_	\$311.00	_	-	\$316.00	
Twin	600	FBV6	15-60								
Twin	600	FBV6	70-100	_	Breake	er not available a	t time of printing				
Twin	600	FCV6	15-60	\$1073.00	\$989.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	FCV6	70-100	\$1168.00	\$1047.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SEHA	15-60	\$1020.00	\$940.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SEHA	70-100	\$1110.00	\$995.00	_	\$311.00	\$311.00	_	\$316.00	S
Twin	600	SEHA	110-150	\$2160.00	\$1950.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	FBN6	15-60							•	
Twin	600	FBN6	70-100	-	Breake	r not available a	t time of printing				
Twin	600	FCN6	15-60	\$1705.00	\$1363.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	FCN6	70-100	\$1898.00	\$1515.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SELA	15-60	\$1620.00	\$1295.00	_	\$311.00	\$311.00	-	\$316.00	
Twin	600	SELA	70-100	\$1804.00	\$1440.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SELA	110-150	\$2550.00	\$2140.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	FBH6	15-60	\$2550.00				4011.00		\$510.00	
Twin	600	FBH6	70-100	-	Breake	r not available a	t time of printing				
Twin	600	FCH6	15-60	\$2068.00	\$1652.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	FCH6	70-100	\$2326.00	\$1852.00	_	\$311.00	\$311.00		\$316.00	
Twin	600	SEPA	15-60	\$1965.00	\$1570.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SEPA	70-100	\$2210.00	\$1760.00	_	\$311.00	\$311.00	_	\$316.00	
Twin	600	SEPA	110-150	\$3240.00	\$2590.00	_	\$311.00	\$311.00		\$316.00	
Twin	600	FBL6	15-60	\$J240.00	\$2330.00	_	4311.0U	\$311.00	_	\$310.00	
Twin	600	FBL6	70-100	_	Breake	r not available a	t time of printing				
Twin	600	FCL6	15-60	\$2502.00	\$2251.00		\$311.00	\$311.00	_	\$316.00	
I VVII I	000	FULD	13-60	\$2502.00	\$2251.0U	_	\$311.00	\$311.00	_	\$310.0U	

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height.

Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹Not available in Bolt-on design.



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BuyLog® Catalog

Section 10

Group Mounted—Feeder Section Class 1, Class 2 Circuit Breaker Feeders (Bolt-on Style)

Molded Case Circuit Breaker Feeders—80% Rated—High Interrupting and Current Limiting (Continued)

					High		ach, GO-108A and Current Limit	ing		_	
Branch	Max	Breaker	Taia		Per Circuit			Space Only		Underna	Ch in
Mounting	Volts	Frame	Trip Range	*3P	*2P	1P	3P	2P	1P	 Hardware Only 	Ship Cycle
Single or Twin	600	FES1T	20-150								
Single or Twin	600	FEV1T	20-150	-							
ingle or Twin	600	FEN1T	20-150	_							
ingle or Twin	600	FEH1T	20-150	-							
ingle or Twin	600	FEL1T	20-150	-		D l.		the state of a state of a state			
ingle or Twin	600	FES1E	20-150	_		Breake	er not available at	time of printing			
ingle or Twin	600	FEV1E	20-150	-							
ngle or Twin	600	FEN1E	20-150	-							
ngle or Twin	600	FEH1E	20-150	-							
ngle or Twin	600	FEL1E	20-150	-							
ngle or Twin	600	SFLA	70-225	\$2693.00	\$2264.00	_	\$311.00	\$311.00	_	\$779.00	
ngle or Twin	600	SFLA	250	\$3285.00	\$2760.00	_	\$311.00	\$311.00	_	\$779.00	
ngle or Twin	600	SFPA	70-225	\$3740.00	\$2990.00	_	\$311.00	\$311.00	_	\$779.00	
ngle or Twin	600	SFPA	250	\$4260.00	\$3650.00	_	\$311.00	\$311.00	_	\$779.00	
ngle or Twin	600	FES2T	70-250								
ngle or Twin	600	FEV2T	70-250	-							
ngle or Twin	600	FEN2T	70-250	-							
ngle or Twin	600	FEH2T	70-250	-							
ngle or Twin	600	FEL2T	70-250	-							
ngle or Twin	600	FES2E	70-250	-		Breake	er not available at	time of printing			
ngle or Twin	600	FEV2E	70-250	-							
ngle or Twin	600	FEN2E	70-250	-							
ngle or Twin	600	FEH2E	70-250	-							
ngle or Twin	600	FEL2E	70-250	-							
ngle or Twin	600	FGV2	125-250	\$2669.00	\$2283.00	_	\$455.00	\$455.00	_	\$1481.00	
ngle or Twin	600	FGN2	125-250	\$3782.00	\$3026.00	_	\$455.00	\$455.00	_	\$1481.00	
ngle or Twin	600	FGH2	125-250	\$4740.00	\$3935.00	_	\$455.00	\$455.00	_	\$1481.00	
ngle or Twin	600	FGL2	125-250	\$5440.00	\$4514.00	_	\$455.00	\$455.00	_	\$1481.00	
ngle or Twin	600	FGP2	125-250	\$5913.00	\$4906.00	_	\$455.00	\$455.00	_	\$1481.00	S
					\$3026.00	_	\$425.00	\$425.00	_	\$1481.00	-
2	600	SGLA4	125-400								
ngle or Twin	600 600	SGLA4 SGLB4 ¹	125-400 60-400	\$3782.00 \$6322.00	_	_		_	_		
ngle or Twin ngle or Twin	600	SGLB4 ¹	60-400	\$6322.00			\$604.00	-	-	\$1481.00	
ngle or Twin ngle or Twin ngle or Twin	600 600	SGLB4 ¹ SGPA4	60-400 125-400	\$6322.00 \$4730.00		-	\$604.00 \$425.00			\$1481.00 \$1481.00	
ngle or Twin ngle or Twin ngle or Twin ngle or Twin	600 600 600	SGLB4 ¹ SGPA4 SGPB4 ¹	60-400 125-400 60-400	\$6322.00 \$4730.00 \$7907.00	—	-	\$604.00 \$425.00 \$604.00		-	\$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin	600 600 600 600	SGLB4 ¹ SGPA4 SGPB4 ¹ FGV4	60-400 125-400 60-400 250-400	\$6322.00 \$4730.00 \$7907.00 \$2669.00		- - - -	\$604.00 \$425.00 \$604.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin	600 600 600 600 600	SGLB4 ¹ SGPA4 SGPB4 ¹ FGV4 FGN4	60-400 125-400 60-400 250-400 250-400	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00		- - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin	600 600 600 600 600 600	SGLB4 ¹ SGPA4 SGPB4 ¹ FGV4 FGN4 FGH4	60-400 125-400 60-400 250-400 250-400 250-400	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00	\$2283.00 \$3026.00 \$3935.00	- - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGN4 FGH4 FGL4	60-400 125-400 60-400 250-400 250-400 250-400 250-400	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5440.00		- - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600	SGLB4 ¹ SGPA4 SGPB4 ¹ FGV4 FGN4 FGN4 FGH4 FGL4 FGP4	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-400	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5440.00 \$5913.00		- - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00		- - - - -	\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGN4 FGL4 FGL4 FGP4 SGLA6	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-400 250-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5440.00 \$5913.00 \$4627.00		- - - - - - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGN4 FGL4 FGP4 SGLA6 SGL861	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-400 250-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$4740.00 \$5440.00 \$5913.00 \$4627.00 \$6679.00		- - - - - - - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$4604.00	4425.00 	- - - - - - - - - - - -	\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGL4 FGP4 SGLA6 SGPA6	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5440.00 \$5913.00 \$4627.00 \$6679.00 \$6679.00		- - - - - - - - - -	\$604.00 \$425.00 \$404.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGP4 SGLA6 SGL861 SGPA6 SGPA61	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$6427.00 \$6679.00 \$6080.00 \$9171.00	\$2283.00 \$3026.00 \$3935.00 \$4\$14.00 \$4906.00 \$3857.00 	- - - - - - - - - - - - - - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$604.00		- - - - - - - - - - - -	\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGH4 FGP4 SGL861 SGP861 FGV6	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6080.00 \$9171.00 \$3931.00		- - - - - - - - - - - - - - - -	\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00 \$604.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600 600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGH4 FGP4 SGLA6 SGPA6 SGPA6 SGPA6 SGPA6 SGPA6 SGPA6 SGPA6	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6080.00 \$9171.00 \$3331.00 \$4627.00		- - - - - - - - - - - - - - - - - -	\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00 \$604.00 \$425.00 \$455.00		- - - - - - - - - - - -	\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
ngle or Twin ngle or Twin	600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGL4 FGP4 SGLA6 SGP861 SGP861 FGN6 FGN6	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6080.00 \$39171.00 \$3931.00 \$4627.00 \$6090.00	 \$2283.00 \$3026.00 \$4514.00 \$4906.00 \$3857.00 \$4870.00 \$3197.00 \$3857.00 \$4880.00		\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$604.00 \$425.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
Igle or Twin Igle or Twin Ig	600 600	SGLB41 SGPA4 SGP841 FGV4 FGV4 FGH4 FGL4 FGP4 SGL861 SGP861 FGV6 FGN6 FGN6 FGN6 FGN6 FGH6 FGL6	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$4627.00 \$6992.00			\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$604.00 \$604.00 \$425.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
igle or Twin gle or Twin gle or Twin igle	600 600	SGLB41 SGPA4 SGPB41 FGV4 FGV4 FGH4 FGP4 SGL861 SGP861 FGV6 FGN6 FGH6 FGH6 FGP6	60-400 125-400 250-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 400-600	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$6090.00 \$6090.00 \$6992.00			\$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$604.00 \$425.00 \$604.00 \$425.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
gle or Twin gle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin ngle or Twin gle or Twin slige or Twin gle or Twin	600 600 600 600 600 600 600 600	SGLB41 SGPA4 SGPA4 SGP841 FGV4 FGN4 FGH4 FGP4 SGLA6 SGLA61 SGPA6 SGP861 FGN6 FGN6 FGN6 FGN6 FGP6 SKLA8	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 300-800	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$6679.00 \$6679.00 \$6680.00 \$9171.00 \$3331.00 \$4627.00 \$6090.00 \$6992.00 \$7600.00 \$6358.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00 \$604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00	
Igle or Twin Igle or Twin	600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGL4 FGP4 SGLA6 SGLA6 SGP861 SGP861 FGN6 FGN6 FGN6 FGN6 FGH6 FGL6 FGP6 SKLA8 SKLB8	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$66992.00 \$66992.00 \$7600.00 \$6538.00 \$9338.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00 \$404.00 \$455.0			\$1481.00 \$1481.00	
gle or Twin gle or Twin Single Single	600 600	SGLB41 SGPA4 SGPB41 FGV4 FGN4 FGH4 FGL4 FGP4 SGLA6 SGP861 SGP861 FGN6 FGN6 FGN6 FGN6 FGH6 FGP6 SKLA8 SKPA8	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4677.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$6699.00 \$6699.00 \$6992.00 \$7600.00 \$6558.00 \$9338.00 \$8265.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$425.00 \$425.00 \$455.00 \$1232.00 \$1232.00 \$1232.00			\$1481.00 \$1481.00	
ngle or Twin ngle or Twin Single Single	600 600	SGLB41 SGPA4 SGPB41 FGV4 FGV4 FGH4 FGL4 FGP4 SGLA6 SGP861 FGV6 FGN6 FGH6 FGL6 FGP6 SKLA8 SKPA8 SKP81	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800 300-800	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$6992.00 \$6992.00 \$7600.00 \$6992.00 \$7600.00 \$9338.00 \$9338.00 \$8265.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$604.00 \$604.00 \$425.00 \$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$1649.00 \$1232.00			\$1481.00 \$1854.00 \$1854.00	
Igle or Twin Igle or Twin Single Single Single	600 600	SGLB41 SGPA4 SGP841 FGV4 FGV4 FGH4 FGH4 FGP4 SGL861 SGP861 SGP861 FGH6 FGH6 FGH6 FGP6 SKLA8 SKP881 SKLA12	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 300-800 300-800 300-800 1000	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$6679.00 \$6679.00 \$6679.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$6992.00 \$6992.00 \$6992.00 \$6358.00 \$9338.00 \$9338.00 \$12139.00 \$7501.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$604.00 \$604.00 \$425.00 \$4604.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$1232.00 \$1649.00 \$1649.00	 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$425.00 \$455.00		\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00	
Igle or Twin Igle	600 600	SGLB41 SGPA4 SGPA4 SGPA4 FGV4 FGH4 FGH4 FGP4 SGLA6 SGLA6 SGP861 FGP6 FGH6 FGH6 FGH6 FGP6 SKLA8 SKLA8 SKP881 SKLA12 SKLA12	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800 300-800 1000 1200	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6680.00 \$9171.00 \$3331.00 \$4627.00 \$6090.00 \$6090.00 \$6538.00 \$9338.00 \$9338.00 \$8265.00 \$12139.00 \$7501.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$425.00 \$425.00 \$425.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$1232.00 \$1649.00 \$1649.00			\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00	
Igle or Twin Igle	600 600	SGLB41 SGPA4 SGPA4 SGPB41 FGV4 FGV4 FGH4 FGL4 FGP4 SGLA6 SGLA6 SGPA6 SGPA6 FGV6 FGN6 FGH6 FGH6 FGH6 FGF6 SKLA8 SKPA8 SKLA12 SKLA12 SKLA12	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800 300-800 1000 1220 1000-1200	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6680.00 \$9171.00 \$3931.00 \$4627.00 \$66992.00 \$66992.00 \$7600.00 \$6538.00 \$9338.00 \$8265.00 \$12139.00 \$7501.00 \$9779.00 \$10482.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$425.00 \$425.00 \$425.00 \$425.00 \$425.00 \$425.00 \$4455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$1232.00 \$1649.00 \$1649.00 \$1649.00			\$1481.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00	
ngle or Twin ngle or Twin slige or Twin ngle or Twin slige or Twin slige Single Single Single Single	600 600	SGLB41 SGPA4 SGPA4 SGPA4 FGV4 FGH4 FGH4 FGP4 SGLA6 SGLA6 SGP861 FGP6 FGH6 FGH6 FGH6 FGP6 SKLA8 SKLA8 SKP881 SKLA12 SKLA12	60-400 125-400 250-400 250-400 250-400 250-400 250-600 250-600 250-600 400-600 400-600 400-600 400-600 300-800 300-800 300-800 1000 1200	\$6322.00 \$4730.00 \$7907.00 \$2669.00 \$3782.00 \$4740.00 \$5913.00 \$4627.00 \$6679.00 \$6680.00 \$9171.00 \$3331.00 \$4627.00 \$6090.00 \$6090.00 \$6538.00 \$9338.00 \$9338.00 \$8265.00 \$12139.00 \$7501.00			\$604.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$425.00 \$425.00 \$425.00 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$1232.00 \$1649.00 \$1649.00	 \$425.00 \$455.00 \$455.00 \$455.00 \$455.00 \$425.00 \$425.00 \$455.00		\$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1481.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00 \$1854.00	

FCV/FCS/FCN/FCL Series 2P breaker supplied in 3P envelope ONLY.

Circuit breaker 1" per pole, but requires switchboard spacing of full "X" height.

Record Plus 15-20 Amp Circuit Breakers come with Load Lugs Factory Installed.

¹MicroVersaTrip[®] Plus circuit breaker. See pricing table on page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip[®] Plus trip units with optional control power require a power supply. Refer to Table for pricing. Add \$1000 list for 1-Distribution Cable Junction Box and

1-Distribution Cable Harness for each breaker with this option.



Publications and Reference: See Section 22 for a complete list of additional product-related publications Section 10

(Bolt-on Style)

Molded Case Circuit Breaker Feeders

MicroVersaTrip[®] PM¹ Trip Units for SG and SK Molded Case Breakers

			1	t Price Each, GO-108A	Lis			t Breaker	Circuit
		d Current Limiting	igh Interrupting an	н		Standard Frames			
Sh	Space ²	Per Circuit	Trip	Breaker	Space ²	Per Circuit	Trip	Breaker	Max.
Cy	3-Pole	3-Pole	Range	Frame	3-Pole	3-Pole	Range	Frame	Volts
	\$806.00	\$11322.00	60-400		\$806.00	\$10077.00	60-400		
	\$806.00	\$11979.00	500-600	SGLB PM	\$806.00	\$10772.00	500-600	SGHB PM	
	\$806.00	\$12907.00	60-400						
	\$806.00	\$14171.00	500-600	SGPB PM	_	_	_	-	
─ .	\$2199.00	\$14338.00	300-800	SKLB8 PM	\$2199.00	\$13529.00	300-800	SKHB8 PM	600
- I	\$2199.00	\$17139.00	300-800	SKPB8 PM	_	-	_	-	600
	\$2199.00	\$15482.00	1000	01/1 01 0 01 1	\$2199.00	\$14390.00	1000	01/11/2010 014	
	\$2199.00	\$15482.00	1200	SKLB12 PM	\$2199.00	\$14390.00	1200	SKHB12 PM	
	\$2199.00	\$17595.00	1000						
	\$2199.00	\$17595.00	1200	SKPB12 PM	-	-	-	-	

¹MicroVersaTrip® PM circuit breaker. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plate for side control wiring space for each breaker. Breakers with MicroVersaTrip® PM trip

units must use a Voltage Module.

²Space unit includes vertical bus and filler plate only. MicroVersaTrip® PM circuit breaker spaces are 4 pole (includes 1X for side control wiring space).

Spectra® Series Molded Case Circuit Breaker Feeders

100% Equipment Rated for SG and SK Molded Case Breakers

Circu	t Breaker					List P	rice Each, GO-108A						
			S	tandard Fram	es			High Interru	pting and Cu	rrent Limiting)		-
			Per C	ircuit	Spac	:e ^{1,2}			Per Ci	rcuit	Spa	ce ¹	-
Max. Volts	Breaker Frame	Trip Range	3-Pole	2-Pole	3-Pole	2-Pole	Breaker Frame	Trip Range	3-Pole	2-Pole	3-Pole	2-Pole	Ship Cycle
	SGHHA4	125-400	\$3203.00	\$2740.00	\$425.00	\$425.00	SGLLA4	125-400	\$4538.00	\$3631.00	\$425.00	\$425.00	
	-	-	-	-	-	-	SGPPA4	125-400	\$5581.00	\$4710.00	\$425.00	\$425.00	
	SKHHA8	300-800	\$6748.00	\$5778.00	\$1232.00	\$1232.00	SKLLA8	300-800	\$7630.00	\$6613.00	\$1232.00	\$1232.00	_
	-	-	-	-	-	-	SKPPA8	300-800	\$9918.00	\$8430.00	\$1232.00	\$1232.00	
	SKHHA10	1000	\$8121.00	\$7091.00	\$1649.00	\$1649.00	SKLLA12 ⁷	1000	\$9001.00	\$5324.00	\$1649.00	\$1649.00	
	-	-	-	-	-	-	SKPPA127	1000	\$11250.00	\$9211.00	\$1649.00	\$1649.00	
	SGHHB4 Plus ⁴	60-400	\$5393.00	-	\$604.00	-	SGLLB4 Plus ⁴	60-400	\$7270.00	-	\$604.00	-	- M
	-	-	-	-	-	-	SGPPB4 Plus ⁴	60-400	\$9093.00	-	\$604.00	-	
600	SKHHB8 Plus ⁴	300-800	\$9808.00	-	\$1649.00	-	SKLLB8 Plus ⁴	300-800	\$10738.00	-	\$1649.00	-	_
000	-	-	-	-	-	-	SKPPB8 Plus ⁴	300-800	\$13960.00	-	\$1649.00	-	
	SKHHB12 Plus ^{4,7}	1000	\$10756.00	-	\$1649.00	-	SKLLB12 Plus ^{4,7}	1000	\$12054.00	-	\$1649.00	-	
	-	-	-	-	-	-	SKPPB12 Plus ^{4,7}	1000	\$14484.00	-	\$1649.00	-	_
	SGHHB4 PM ⁵	60-400	\$10393.00	-	\$806.00 ⁶	-	SGLLB4 PM ⁵	60-400	\$12270.00	-	\$806.00 ⁶	-	_
	-	-	-	-	-	-	SGPPB4 PM ⁵	60-400	\$14093.00	-	\$806.00 ⁶	-	-
	SKHHB8 PM ⁵	300-800	\$14808.00	-	\$2199.00 ⁶	-	SKLLB8 PM ⁵	300-800	\$15738.00	-	\$2199.00 ⁶	-	- N
	-	-	-	-	-	-	SKPPB8 PM ⁵	300-800	\$18960.00	-	\$2199.00 ⁶	-	- 11
	SKHHB12 PM5,7	1000	\$15756.00	-	\$2199.00 ⁶	-	SKLLB12 PM ^{5,7}	1000	\$17054.00	-	\$2199.00 ⁶	-	_
	-	-	-	-	-	-	SKPPB12 PM ^{5,7}	1000	\$19484.00	-	\$2199.00 ⁶	-	_

¹Unit space price includes vertical bus and filler space only.

²Maximum IC rating cannot exceed 100kA regardless of circuit breaker or voltage.

³100% rated for section ratings up to 2000A max. 80% rated for 2500-4000A.

⁴MicroVersaTrip[®] Plus circuit breaker. Add \$1000.00 list for 1-Distribution Cable Junction Box and 1-Distribution Cable Harness for each breaker.

⁵MicroVersaTrip[®] PM circuit breaker. Price includes 1-installed auxiliary switch (1 element), 1-Distribution Cable Junction Box, 1-Distribution Cable Harness and 1X filler plater for side control wiring space for each breaker. See pricing page 10-67 for options and page 10-71 for accessories. Breakers with MicroVersaTrip® PM trip units must use a Voltage Module. See page 10-70.

⁶MicroVersaTrip[®] PM circuit breaker spaces are 4 pole (includes 1X for side control wiring space).

⁷1220A must have fully rated bus. Copper lugs must be used on line or load side of breaker.



MicroVersaTrip[®] Plus¹ Trip Unit Functions with Ammeter

For SG and SK Spectra® RMS Molded-Case Circuit Breakers

Trip Unit Suffix	List Price GO-108A ¹	Long-time (L)	Short-time (S)	Adj. Instantaneous (I)	4-Wire Ground Fault (G) ²	OL/SC Targets ³	OL/SC/GF Targets ³	Ship Cycle
LI	No Price Adder	х		х		Х		S
LSI	\$1680.00	Х		х	Х	Х	Х	S
LIG	\$3222.00	х	х	х		Х		S
LSIG	\$4342.00	х	х	х	Х	Х	х	S

X = Function included

¹Basic Trip Unit includes Long Time and Adjustable Instantaneous overcurrent trip functions, three phase Ammeter and OL/SC trip indicators. When optional functions are required, specify suffix and price. MicroVersaTrip® Plus Trip Unit(s) with optional control power require a power supply. Also add \$1000.00 list per breaker for optional prewired 24 Vdc control power to Trip Unit(s).

MicroVersaTrip[®] PM⁴ Trip Unit Functions

For SG and SK Spectra® RMS Molded-Case Circuit Breakers

with Full Metering and Communications

Trip Unit Suffix	List Price, GO-108A ⁴	Long-time (L)	Short-time (S)	Adj. Instantaneous (I)	4-Wire Ground Fault (G) ²	OL/SC Targets ³	OL/SC/GF Targets ³	Protective Relay Targets ³	Ship Cycle
LIM	No Price Adder	×		Х		×			Ν
LSIM	\$1680.00	×		Х	х		×		Ν
LIGM	\$3222.00	х	Х	х		Х			N
LSIGM	\$4342.00	х	Х	х	Х		х		N

with Full Metering, Protective Relaying and Communications

Trip Unit Suffix	List Price GO-108A ⁴	Long-time (L)	Short-time (S)	Adj. Instantaneous (I)	4-Wire Ground Fault (G) ²	OL/SC Targets ³	OL/SC/GF Targets ³	Protective Relay Targets ³	Ship Cycle
LIPM	\$3000.00	×		х		Х		Х	Ν
LSIPM	\$4680.00	х		Х	Х		х	Х	N
LIGPM	\$6222.00	х	Х	Х		Х		Х	N
LSIGPM	\$7342.00	х	х	х	Х		х	х	N

X = Function included

²Trip Units with suffix "G" include neutral sensor for 3 Φ -4W applications. For 3 Φ -3W grounded wye applications deduct \$1000.00 list from the trip unit list price. ³Trip Indication targets are standard.

⁴Basic Trip Unit includes Long Time and Adjustable Instantaneous overcurrent trip functions, LCD meter and OL/SC trip indicators. When optional functions are required, specify suffix and price. MicroVersaTrip® PM Trip Units must use a Voltage Module for voltage sensing and control power.

Group Mounted-Feeder Section Class 1, Class 2 Molded Case Switches⁵

	Circuit Breaker			
	Rc	ıting	List Price Each,	Ship
Туре	ac Volts	Max. Amps	GO-108A	Cycle
Standard Frames	5			
SE150	600	150		
SF250	600	225	Price as a	N
SG600	600	600	Standard Spectra Circuit Breaker	IN
SK1200	600	1200		

⁵Equipment may not be UL Listed when molded case switches are furnished.



Options and Accessories

MicroVersaTrip[®] Plus¹ Trip Unit Functions For Power Break[®] I or II

MicroVersaTrip[®] Plus² with Ammeter Display

Trip Unit Suffix	List Price, GO-108A ¹	Long- time (L)	Short- time (S)	Adj. Inst. (I)	High Inst. (H)	4-Wire Ground Fault (G) ²	GF Zone Interlock (Z1) ³	GS/ST Zone Interlock (Z2) ³	OL/S C Targets ⁴	OL/SC/GF Targets⁴	Protective Relay Targets ⁴	Ship Cycle
LI	No Price Adder	Х		Х					Х			S
LSI	\$2170.00	Х	Х	Х					Х			S
LSH⁵	\$4546.00	Х	Х		х				Х			S
LIG	\$4229.00	Х		Х		Х				Х		S
LSIG	\$6399.00	Х	Х	Х		Х				Х		S
LSHG⁵	\$9262.00	Х	Х		Х	Х				Х		Μ
LIGZ1	\$6861.00	Х		Х		Х	Х			Х		Μ
LSIGZ1	\$9037.00	Х	Х	Х		Х	Х			Х		Μ
LSIGZ2	\$9972.00	Х	Х	Х		Х		х		Х		Μ
LSHGZ1 ⁵	\$10198.00	Х	Х		Х	Х	Х			Х		Μ
LSHGZ2 ⁵	\$111133.00	х	Х		Х	Х		х		Х		М

X = Function included.

¹ Basic Trip Unit(s) includes Long Time and Adjustable Instantaneous overcurrent trip functions, three phase Ammeter and OL/SC trip indicators. When optional

functions are required, specify suffix and price. MicroVersaTrip® Plus Trip Unit(s) with optional control power require a power supply. Also **add \$1000** list per breaker for optional prewired 24 Vdc control power to Trip Unit(s).

² Trip Unit(s) with suffix "G" includes neutral sensor for 3Φ-4W applications. For 3Φ-3W grounded wye applications deduct \$1000 from the trip units List Price.

³ Zone Selective Interlock function requires separate Z-SEL Interlock Module type T1M1 (120 Vac control voltage required). Add \$1680 List Price per breaker.

⁴ Trip Indication targets are standard.

 $^{\rm 5}\,\rm Hi\text{-}range$ instantaneous not available for 4000A TP stationary mount.

MicroVersaTrip® Plus and PM Trip Unit Function Definitions

Function	Description	Function	Description
Long-Time (L)	Adjustable current setting	Full Metering	Amperes (A/kA) - Phase Selectable
	Adjustable long-time delay		Voltage (V) - L-L or L-N and Phase Selectable
Short-Time (S)	Adjustable short-time pick-up		Energy (kWh/MWh)
	Adjustable short-time delay with I ² t		Real Power (kW) - L-L or L-N
	Adjustable short-time delay without I ² t		Apparent Power (kVA) - L-L or L-N
			Frequency (Hz)
Instantaneous (I)	Adjustable pick-up	Protective Relay Functions	Adjustable Undervoltage pickup
High Range Instantaneous (H) ⁵	Fixed pick-up (1.0H)		Adjustable Undervoltage delay or OFF
Ground Fault (G)	Adjustable ground fault pick-up		Adjustable Overvoltage pickup
	Adjustable ground fault delay with I ² t		Adjustable Overvoltage delay or OFF
	Adjustable ground fault delay without I ² t		Adjustable Voltage Unbalance pickup
Trip Indication Target (OL/SC)	Overload/short circuit targets		Adjustable Voltage Unbalance delay or OFF
(OL/SC/GF)	Overload/short circuit/ground fault targets		Adjustable Current Unbalance pickup
Protective Relays	Undervoltage/Overvoltage/Voltage		Adjustable Current Unbalance delay or OFF
	Unbalance/Current Unbalance/Power Reversal		Adjustable Power Reversal pickup
			Adjustable Power Reversal delay or OFF



Options and Accessories

MicroVersaTrip® PM¹ Trip Unit Functions For Power Break® I or II (AKR and WavePro)

with Full Metering and Communications

Trip Unit Suffix	List Price, GO-108A ¹	Long- time (L)	Short- time (S)	Adj. Inst. (I)	High Inst. (H)	4-Wire Ground Fault (G) ²	GF Zone Interlock (Z1) ³	GF/ST Zone Interlock (Z2) ³	OL/SC Targets ⁴	OL/SC/GF Targets ⁴	Protective Relay Targets ⁴	Ship Cycle
LIM	\$3360.00	Х		Х					Х			М
LSIM	\$5530.00	Х	Х	Х					Х			М
LSHM 5	\$7906.00	Х	Х		Х				Х			М
LIGM	\$7589.00	Х		Х		Х				х		М
LSIGM	\$9759.00	Х	Х	Х		Х				Х		М
LSHGM ⁵	\$12622.00	Х	Х		Х	Х				Х		М
LIGZ1M	\$10221.00	Х		Х		Х	Х			Х		N
LSIGZ1M	\$12397.00	Х	Х	Х		Х	Х			Х		Ν
LSIGZ2M	\$13321.00	Х	Х	Х		Х		х		Х		N
LSHGZ1M ⁵	\$13558.00	Х	Х		Х	Х	Х			Х		N
LSHGZ2M 5	\$14493.00	Х	Х		Х	Х		х		Х		N

with Protective Relaying and Communications

Trip Unit Suffix	List Price, GO-108A ¹	Long - time (L)	Short- time (S)	Adj. Inst. (I)	High Inst. (H)	4-Wire Ground Fault (G) ²	GF Zone Interlock (Z1) ³	GF/ST Zone Interlock (Z2) ³	OL/SC Targets ⁴	OL/SC/GF Targets ⁴	Protective Relay Targets ⁴	Ship Cycle
LIP	\$2720.00	Х		Х					Х		Х	М
LSIP	\$4890.00	Х	Х	Х					Х		Х	М
LSHP ⁵	\$7266.00	Х	Х		Х				Х		Х	М
LIGP	\$6949.00	Х		Х		Х				Х	Х	М
LSIGP	\$9119.00	Х	Х	Х		Х				Х	Х	М
LSHGP ⁵	\$11982.00	Х	Х		Х	Х				Х	Х	М
LIGZ1P	\$9581.00	Х		Х		Х	Х			Х	Х	N
LSIGZ1P	\$11757.00	Х	Х	Х		Х	Х			Х	Х	N
LSIGZ2P	\$12692.00	Х	Х	Х		Х		×		Х	Х	Ν
LSHGZ1P ⁵	\$12918.00	Х	Х		Х	Х	Х			Х	Х	N
LSHGZ2P ⁵	\$13853.00	Х	Х		Х	Х		Х		Х	х	Ν

with Full Metering, Protective Relaying and Communications

Trip Unit Suffix	List Price, GO-108A ¹	Long- time (L)	Short- time (S)	Adj. Inst. (I)	High Inst. (H)	4-Wire Ground Fault (G) ²	GF Zone Interlock (Z1) ³	GF/ST Zone Interlock (Z2) ³	OL/SC Targets ⁴	OL/SC/GF Targets ⁴	Protective Relay Targets ⁴	Ship Cycle
LIPM	\$5120.00	Х		Х					Х		Х	М
LSIPM	\$7290.00	Х	Х	Х					Х		Х	М
LSHPM ⁵	\$9666.00	Х	Х		Х				Х		Х	Μ
LIGPM	\$9349.00	Х		Х		Х				Х	Х	М
LSIGPM	\$11519.00	Х	Х	Х		Х				Х	Х	М
LSHGPM ⁵	\$14382.00	Х	Х		Х	Х				Х	Х	М
LIGZ1PM	\$11981.00	Х		Х		Х	Х			Х	Х	Ν
LSIGZ1PM	\$14157.00	Х	Х	Х		Х	Х			Х	Х	Ν
LSIGZ2PM	\$15092.00	Х	Х	Х		Х		Х		Х	Х	Ν
LSHGZ1PM5	\$15318.00	Х	Х		Х	Х	Х			Х	Х	N
LSHGZ2PM5	\$16253.00	Х	Х		Х	Х		Х		Х	Х	Ν

X = Function included.

¹ Basic Trip Unit includes Long Time and Adjustable Instantaneous overcurrent trip functions, LCD meter and OL/SC trip indicators. When optional functions are required, specify suffix and price.

MicroVersaTrip® PM Trip Unit must use a Voltage Module for voltage sensing and control power.

² Trip Unit with suffix "G" include neutral sensor for 3Φ -4W applications.

For 3Φ -3W grounded wye applications **deduct \$1000** from the trip units List Price.

³ Zone Selective Interlock function requires separate Z-SEL Interlock Module type T1M1 (120 Vac control voltage required).

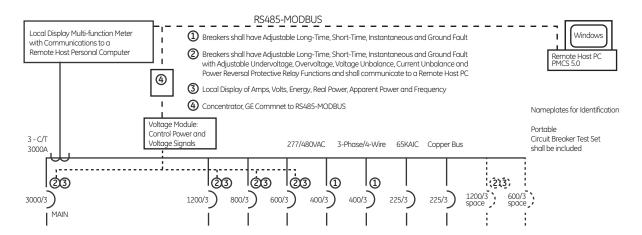
Add \$1680 list per breaker. ⁴ Trip Indication targets are standard.

⁵ Hi-range instantaneous not available for 4000A TP stationary mount.

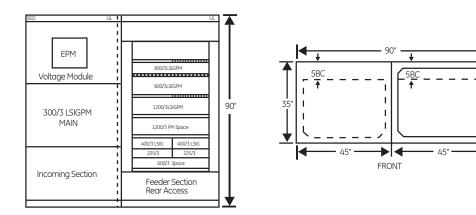
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Publications and Reference: See Section 22 for a complete list of additional product-related publications

Example for MicroVersaTrip[®] PM and Plus Trip Units and POWER LEADER[®] EPM







Spectra® Series Switchboard Layout/Dimensions

Spectra[®] Switchboard Price Make Up for Power Management

Description	List Price GO-108	Totals
Oty 1		
Switchboard 480/277V 3Ph 4W		
Service Entrance Label		
50KAIC		\$450.00
3000A Main type TP Stationary/MO		\$46612.00
Trip LSIGPM		\$11519.00
EPM w/Com.		\$9900.00
3-CTs	\$1953.00	\$5589.00
Qty 2		
2-225/3 SFLA	\$2693.00	\$5386.00
2-400/3 SGLB Plus	\$6322.00	\$12664.00
Trip LSIG	\$4342.00	\$8684.00
Cable and J-Box	\$1000.00	\$2000.00
1-600/3 SGLB PM	\$11979.00	\$11979.00
Trip LSIGPM	\$7342.00	\$7342.00
1-800/3 SKLB8 PM	\$14338.00	\$14338.00
Trip LSIGPM	\$7342.00	\$7342.00
1-1200/3 SKLB12 PM	\$15482.00	\$15482.00
LSIGPM	\$7342.00	\$7342.00
1—Space & Bus for 600 SGLA6	\$425.00	\$425.00
1—Space & Bus for 1200A SKLB12 PM	\$2199.00	\$2199.00
1—Voltage Module		\$7400.00
11-NPs	\$34.00	\$374.00
Copper Bus 2 Sections	\$5536.00	\$11072.00
1—Test Set		\$4156.00
	Total List	\$192525.00

Power Management Device	List Price GO-108	Description	Ship Cycle
Voltage Module, Ground Mounted or individually compartment mounted	\$7400.00	24 Vdc Power Supply Conditioner PTs	
Power Supply only for LCD display individually compartment mounted	\$4050.00	For Spectra® Plus Breakers, remember to add cable and J-Box	
POWER LEADER® Repeater for Commnet	\$6000.00	Extends the distance and number of devices for the Commnet network, one per 1000' or >30 devices	N
Modbus Monitor	\$19100.00	Window into PM devices for one location	
RS485 Modbus Concentrator	\$7000.00	Converts GE Commnet to open protocol Modbus communication for GE PMCS or third party use. See GEH-6502 Network Architecture and GEH-6508 Protocol Ref.	
Multinet®	\$8250.00	Modbus to Ethernet Converter	

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For PM system and software contact your Power Management factory contact.



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Section 10

Switchboards Spectra[®] Series Switchboards **Options and Accessories**

Molded Case Circuit Breaker Accessories

	Bell	Bell Shunt		Under Voltage	Motor ² Operating Mechanism 120vac	Kirk	Auxiliary Contacts 240V only			Slide	Pad Lock ²	Lock off ²
Frame	Alarm	Trip ¹	Ship Cycle	Release ^{1,2}		Key ^{2,4}	1	2	4	Plate ^{2,3}	Device	Device
THQB, THHQB	_	\$98.00 ²	S	-	-	_	\$89.00 ²	_	-	\$678.00	\$100.00	\$5.00
TEY	-	\$392.00 ²	S	-	-		\$200.00 ²	-	-	\$678.00	\$100.00	\$5.00
TEB, TEB4, TED6, THED4, THED6	\$261.00	\$392.00	S	\$392.00	_	_	\$261.00	\$360.00	-	\$678.00	\$100.00	\$5.00
FCS, FCV, FCN, FCH, FCL	\$261.00	\$392.00	S	\$392.00	_	\$821.00	\$261.00	_	_	\$678.00	\$100.00	\$5.00
SEDA, SEHA, SELA, SEPA	\$261.00	\$392.00	S	\$392.00	-	-	\$261.00	\$360.00	\$740.00	\$678.00	\$100.00	\$5.00
FES, FEV, FEN, FEH, FEL	\$261.00	\$392.00	S	\$392.00	_	\$821.00	\$261.00	_	_	\$678.00	\$100.00	\$5.00
SFHA, SFLA, SFPA	\$261.00	\$392.00	S	\$392.00	-	-	\$261.00	\$360.00	\$740.00	\$678.00	\$100.00	\$5.00
SGDA, SGHA, SGLA, SGPA	\$261.00	\$447.00	S	\$447.00	\$2588.00	\$690.00	-	\$360.00	\$740.00	\$890.00	\$115.00	N/A
FGV, FGN, FGH, FGL, FGP	\$261.00	\$392.00	S	\$392.00	_	\$821.00	\$261.00	_	_	\$678.00	\$115.00	N/A
SKHA, SKLA, SKPA, SKHHA, SKLLA, SKPPA	\$261.00	\$447.00	S	\$447.00	_	\$690.00	_	\$360.00	\$740.00	\$890.00	\$125.00	N/A
SGHB, SGLB, SGPB	\$261.00	\$447.00	S	\$447.00	\$2588.00	\$690.00	-	\$360.00	\$740.00	\$890.00	\$115.00	N/A
MicroVersaTrip [®] Plus SKHB, SKLB, SKPB, SKHHB, SKLLB, SKPPB	\$261.00	\$447.00	М	\$447.00	_	\$690.00	_	\$360.00	\$740.00	\$890.00	\$125.00	-
MicroVersaTrip® PM SKHB, SKLB, SKPB, SKHHB, SKLLB, SKPPB	\$261.00	\$447.00	Ν	\$447.00	_	\$690.00	_	Included with breaker	\$380.00	\$890.00	\$125.00	-
TP, THP, SS ⁴	\$491.00 ²	\$821.00	S	\$821.00	-	\$821.00 ⁴	\$460.00	\$572.00	\$833.00	-	-	-

¹Requires additional 1 pole space.

²Normal ship cycle.

³Slide plate interlock applies to panel mounted breaker only.

⁴ Provision only is **\$411.**

⁵ Bell alarm has two (2) versions, bell alarm trip and bell alarm mechanism.

MagneTrip[™] Trip

Description	Product Number Suffix	List Price GO-108A	Ship Cycle
Adjustable current plus adjustable short-time and fixed instantaneous	D	\$1213.00	N
Inverted construction (Stationary only)	В	No Adder	_

Automatic Throwover Devices Pricing Guidelines⁶

Note: Automatic throwover using electrically operated fused switches is not available.

- -Molded case breakers-stationary only and 2 breaker transfer only. Price from page 10-54 (Plug-In) and 10-62 (Bolt-On) and add \$4267 list per breaker (includes motor operator and auxiliary switch and bell alarm).
- -Insulated case-price from page 10-52 and add \$2121 list per breaker (includes auxiliary switch, bell alarm and hidden ON button).
- -All control functions operate from 115 Vac control power.

Automatic Throwover 7,8 Max. 480 Vac, Three-phase, three or four-wire

Two Breaker Transfer U-U or U-G (Normal and Emergency Source Breakers)

Equipment Required	List Price GO-108A	Ship Cycle
1-GE FANUC 90/30 PLC (STD Programming) Special Programming refer to Factory RTF	\$25400.00	
2-Electric Operator Breakers (see type desired)		_
AKR-50, AKR-75 or AKR-100 Power Circuit Breakers	See	
Insulated Case Circuit Breakers TP, THP, SS, SH	pricing	N+
Motor Operator TKM8, TKM12 or THKM12	guidelines above	
Molded Case Circuit Breakers		_
Exercise Time Switch	add \$1449.00	_
UPS 1kVA	\$5850.00	

Three Breaker Transfer U-U

Two-norma	I Source	and C	ne-tie	Breaker)

Equipment Required	List Price GO-108A	Ship Cycle
1-GE FANUC 90/30 PLC (STD Programming)	\$32400.00	
Special Programming refer to Factory RTF		_
3-Electric Operated Breakers (select type desired)	See	
AKR-50, AKR-75 or AKR-100 Power Circuit Breakers	pricing	N+
Insulated Case Circuit Breakers TP, THP, SS, SH	guidelines above	INT
Position Switch (electrical interlocking)	\$995.00	
UPS 1kVA	\$5850.00	_

⁶If drawout breakers are used, also add position switch (AKR) or bypass switch (TSS) to each breaker.

⁷Price includes three-phase voltage sensing time delay transfer and return control and test switches, control power transfer and control power transformers. ⁸Upgrades available—consult factory.

Rev. 1/08 Prices and data subject to change without notice GO-108A

JOB NAME			REQUISITION	NO.	SUBMITTED BY				
SWITCHBOARD SWITCHBOARD			PROP NO.		OFFICE				
ITEM NO.			PROP NO.		DATE		REV. NO.		
DRAWINGS FOR:		□ RECO	RD						
VOLTAGE	□ 208/Y120 □ 24	ı0/©129 □	240© □480/	Y277 □4	30© □600©	DC	VOLTS		
PHASE/WIRE	□ 3©4w □ 3©3w	/ □1©3w	□1⁄2N □	F.N.					
MAIN RATING		AMPERES							
SWITCHBOARD SHORT-CIRCUIT CURRENT RATING	RMS SYM. AMPS								
LINE UP ARRANGEMENT	□ REAR LINE-UP (STD) □ FRONT & REAR LINE-UP □ OUTDOOR								
NO ACCESS TO:	□ REAR NOTE-ABOVE 2000	AMPERE REQ	LEFT HANI			GHT HAND SID	Ε		
U/L SERVICE ENTRANCE LABEL	□ YES	□NO							
CIRCUIT IDENTIFICATION			PLATE II	F NAMEPLAT	E, ATTACH SCHEDU	JLE			
DEVICES		ROUP MOUNT			□ STATIONARY □ DRAWOUT				
		ROUP MOUNT							
GROUND FAULT	DINTEGRAL TO COMPONENT		D BREAK SYSTEN R PANEL		ZERO SEQUENCE GROUND RETURN				
	OTHER (SPECIFY)								
	MATERIAL	□ ALUM. ST □ OTHER (S	TD (TIN PLATE) SPECIFY)	ПС	OPPER (SILVER PLA	ATE)			
BUSING	DENSITY	COPPER	TD 750 AMPERE 1000 AMPERES/	SQ. INCH	OTHER (SPECIFY)				
	BRACING PROVISIONS	D 50 KAIC	(STD) 🗆	OTHER					
	FOR FUTURE EXTENSIONS	DNO (STD)		ΠA		D BUS (STD) APERED BUS			
	LOCATION: TOP		L.H. SECTION	□ R.H. SEC	TION CENTER S	ECTION SEC	TION NO.		
INCOMING FEED	LUGS MECHANICAL (ST COMPRESSION	D) 🗆 STU	JDS (NO LUGS)		I □QTY	OF CABLE & SIZ //PHASE JT QTY/PHASE	MCI		
	BUSWAY TYPE	ND		PECIFY) TYPE	DALUM		ER		
REQUIRES TRANSITION	TRANSFORMER	DR				CORE & C	COIL		
SECTION			RT WAYNE		IER (SPECIFY) ——				
OUTGOING FEEDERS EXIT	ПТОР		ОМ		ED				
	REQUIRED:	□ YES	□NO		HOT SEQUENCE (BEFORÈ MAIN)		D SEQUENCE ER MAIN)		
		ст о	TY.	SIZE	TYPE	CAT. N	NO.		
POWER CO. METERING		PT Q	TY.	SIZE	TYPE	CAT. N	NO.		
COMPARTMENT	SDECITV.	POWER CO	D. NAME:						
	SPECIFY:	CT'S/PT'S 1	O BE INSTALLE	D BY	FUR	NISHED BY			
DIMENSION RESTRICTIONS		 	SPECIFY						
OPTIONS									



Switchboards Spectra[®] Series Switchboards Switchboard Schedule

Section 10

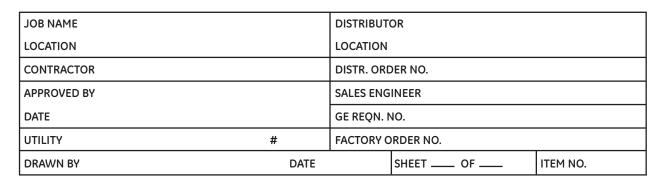
JOB NAME REQUISITION NO.						SWITCHBOARD ITEM NO. SWITCHBOARD MARK				
CONTRACTOR DISTRIBUTOR					SUBMITTED BY DATE					
CKT. NO.	DEVICE DESCRIPTION		FRAME OR SWITCH AMPS.	TRIP OR FUSE CLIP AMPS.	P O L E S	FEEDER SIZE	CIRCUIT IDENTIFICA	TION	REMARKS	

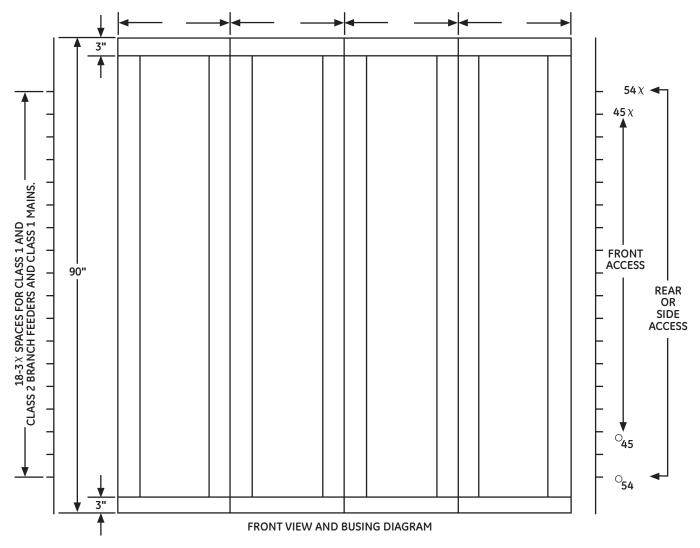


Publications and Reference: See Section 22 for a complete list of additional product-related publications

Switchboards Spectra® Series Switchboards

Switchboard Layout–Class 1, Class 2 Feeder Sections



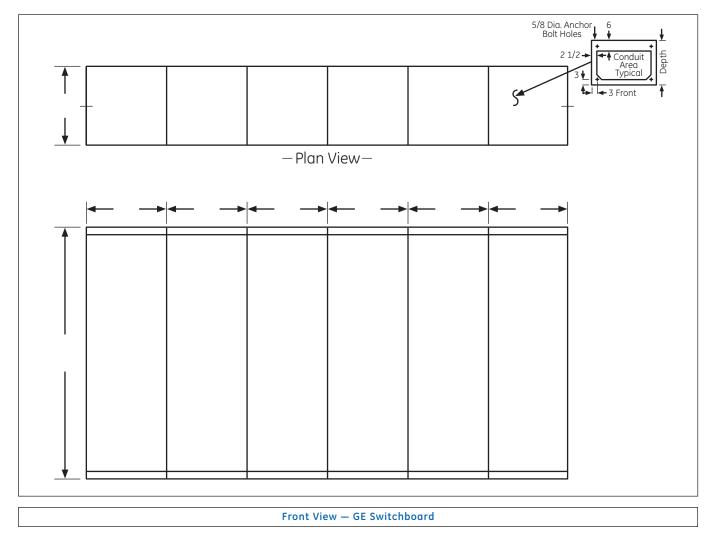


NOTE: This layout is for estimating purposes only. It is not to be used for construction unless factory verified.



Switchboards Spectra[®] Series Switchboards Switchboard Layout

Section 10

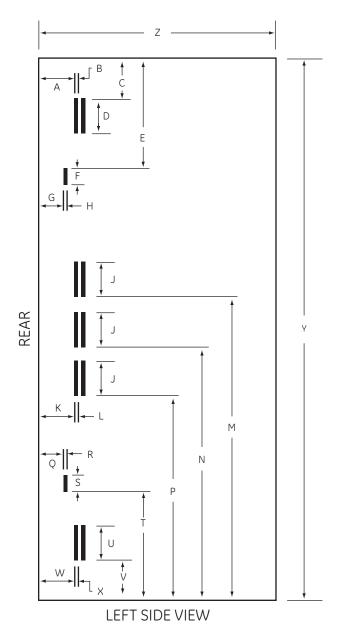




Publications and Reference: See Section 22 for a complete list of additional product-related publications

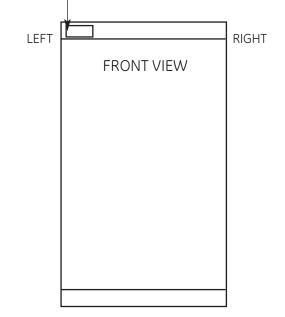
Switchboards Spectra[®] Series Switchboards Add to Existing Switchboard Datasheet

Section 10



Α	N
В	P
C	Q
D	R
E	S
F	Τ
G	U
н	V
J	W
К	X
L	Υ
Μ	×
Qty of bus bars per phase = Qty of bus bars per neutral = Phase and neutral material = Ground material =	

*Supply complete nameplate information:



*Job #

Req. #

Section #

Supply Amps

by locations in existing job.

Section Amps

Bracing

Wire



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Voltage

Location of neutral and ground (top or bottom) to be determined