

AUG. 31. 1998 12:51PM

SQUARE D NYCO

NO. 9729 P. 1

**SQUARE D COMPANY**
GROUPE SCHNEIDER**FACSIMILE**
New York City
District Sales Office
Mineola, NY

Date: 8/31/98

Page 1 of 5

To: Joseph Menashe

Fax #:

From: Ken Swanson - Order Management

Phone #: (516) 248-0080 Ext. 21, Fax # (516) 248-1549

Subject: QED Switchboard Pricing
Fusible Switches vs. Ckt. Breakers

Note that cost of fuses is not
included with fusible switch price.
Fuses not by Square D.

Ken S.

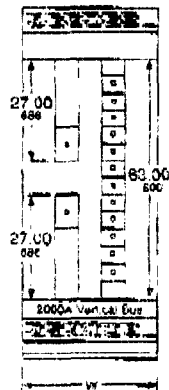
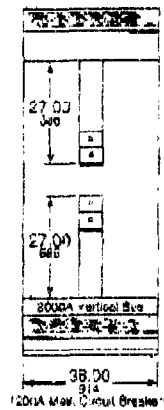
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SQUARE D NYPO

NO. 9729

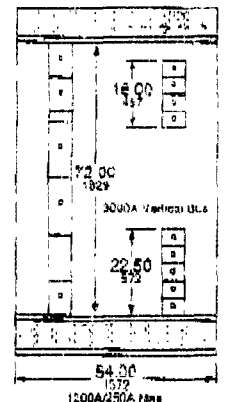
Switchboards Group Mounted I-LINE® Circuit Breakers Class 2741

5 Circuit Breakers
2 Metering Equipment
3 Safety Switches
4 Power Monitoring and Control
7 Panelboards
8 SWITCHBOARDS SWITCHGEAR



I-LINE Ampage	Width (W)	Depth
250 27"	43"	24"
300 30"	42"	24"
400 36"	46"	24"

Through Bus	
1000A/1250A	Standard
2000A 24"	2000A 24"
2500A 30"	2500A 24"
3000A 36"	3000A 36"
4000A 48"	4000A 48"



Through Bus	
Ampage	Depth
3000	36.00 314
4000	48.00 1219

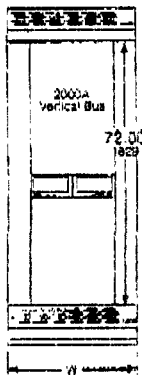
I-LINE Circuit Breaker Frame and Max Amp.	SCCR		Height		List Prices:		2 or 3 -Pole Source	Options:				
	480V	240V	3-Pole	2-Pole	3-Pole	2-Pole		Aux Sw. 1A&1B	Shunt Trip (120Vac)	TMR:		TILCA
										Short Time	GFP/PTT	
PA08C	18k	25k	4.8"	3.0"	\$ 810.	\$ 468.	\$ 50.	\$286.	\$305.	...	\$2534.	...
PA100	18k	25k	4.5"	3.0"	530.	445.	50	220.	305.	...	2434.	...
PH060	25k	65k	4.5"	3.0"	800.	700.	50	220.	305.	...	2535.	...
PH100	25k	65k	4.8"	3.0"	820.	760.	50.	220.	305.	...	2538.	...
PC060	65k	100k	4.8"	4.5"	955.	765.	50.	220.	305.	...	2535.	...
PC100	65k	100k	4.5"	4.5"	1175.	940.	50.	220.	305.	...	2535.	...
PI100	200k	200k	4.5"	4.5"	2173.	1778.	50.	220.	305.	...	2535.	...
KA225	25k	42k	4.5"	4.5"	1440.	1130.	50.	220.	305.	...	2534.	...
KA250	25k	42k	4.5"	4.8"	2390.	1970.	50.	220.	305.	...	2535.	...
KH225	35k	65k	4.5"	4.5"	2400.	2350.	50.	220.	305.	...	2535.	...
KH250	35k	65k	4.5"	4.5"	3150.	2860.	50.	220.	305.	...	2535.	...
KC225	65k	100k	4.5"	4.5"	3470.	2775.	50	220.	305.	...	2434.	...
KC250	65k	100k	4.5"	4.5"	4250.	3400.	50.	220.	305.	...	2535.	...
KI235	\$600	200k	4.5"	4.5"	4065.	3175.	50.	220.	305.	...	2535.	...
KI250	200k	200k	4.5"	4.5"	4730.	3765.	50.	220.	305.	...	2535.	...
LA400	30k	42k	6"	6"	2508.	2085.	50.	220.	305.	...	...	...
LA400	35k	65k	6"	6"	2800.	2600.	50.	220.	305.	...	...	...
LC400	65k	100k	7.5"	7.5"	5080.	4380.	220.	220.	305.	...	...	...
LC600	65k	100k	7.5"	7.5"	5215.	4450.	220.	220.	305.	...	...	...
LI600	200k	200k	7.5"	7.5"	5415.	4940.	220.	220.	305.	...	...	...
LI600	200k	200k	7.5"	7.5"	7920.	7125.	120.	220.	305.	...	...	...
MA600	30k	42k	9"	9"	4195.	3225.	290.	220.	565.	...	...	...
MA600	30k	42k	9"	9"	5205.	4175.	290.	220.	565.	...	...	...
MH600	65k	95k	9"	9"	5580.	4390.	290.	220.	565.	...	...	...
MH600	65k	95k	9"	9"	5765.	5165.	290.	220.	565.	...	...	...
NA1200	50k	100k	15"	15"	10190.	9150.	345.	220.	565.	...	...	...
NC1200	100k	125k	15"	15"	12505.	11240.	345.	220.	565.	...	...	...
LA250	65k	100k	7.5"	7.5"	5655.	3790.	220.	220.	305.	STD	1680.	\$920.
LX400	65k	100k	7.5"	7.5"	9425.	4625.	220.	220.	305.	STD	1680.	920.
LX600	65k	100k	7.5"	7.5"	7785.	6030.	220.	220.	305.	STD	1680.	920.
LX1250	200k	200k	7.5"	7.5"	8296.	6895.	220.	220.	305.	STD	1680.	920.
LX1400	200k	200k	7.5"	7.5"	10465.	9105.	120.	220.	305.	STD	1680.	920.
LX1600	200k	200k	7.5"	7.5"	15570.	13810.	220.	220.	305.	STD	1680.	920.
LQ250	35k	100k	7.5"	7.5"	7375.	5375.	220.	220.	305.	\$2335.	2755.	STD
LE100	65k	100k	7.5"	7.5"	8105.	6750.	220.	220.	305.	2305.	2755.	STD
LE600	65k	100k	7.5"	7.5"	9170.	7415.	220.	220.	305.	2305.	2755.	STD
MX250	65k	65k	9"	9"	8270.	5605.	290.	220.	565.	STD	1680.	920.
MX400	65k	65k	9"	9"	7675.	5425.	290.	220.	565.	STD	1680.	920.
MX600	65k	65k	9"	9"	8760.	7025.	290.	220.	565.	STD	1680.	920.
ME250	65k	65k	9"	9"	7835.	6975.	290.	220.	565.	2305.	2755.	STD
ME400	65k	65k	9"	9"	8340.	6985.	290.	220.	565.	2305.	2755.	STD
ME600	65k	65k	9"	9"	10345.	8990.	290.	220.	565.	2305.	2755.	STD
NX1200	100k	125k	15"	15"	12660.	10135.	345.	220.	565.	STD	1680.	920.
NE1250	100k	125k	15"	15"	17790.	15255.	345.	220.	565.	2305.	2755.	STD

Notes:
Auxiliary Switch: Auxiliary Switch I.N.C. and I.N.C.
Short Time: Standard Circuit Breaker has Long Time and Instantaneous
GFP/PTT: Group Fault Protection with Push-To-Test Feature
TILCA: Trip Indicators and Local Current Ammeter

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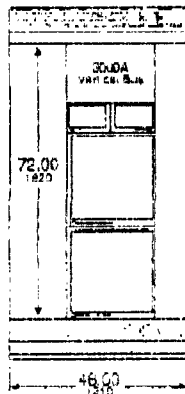
SQUARE D NYFC

NO. 9729 P. 3

switchboards**Incoming Sections, Customer Metering, Sections Charges
Class 2741****QMB/J Group Mounted Branch Fusible Switch:**

400A Max QMB/QMJ 36" W
1200A Max QMB/QMJ 42" W
One 1200A Max Per Section
Three 800A Max Per Section

Through Bus					
Amp	1600A/IN ²		Standard		
	IN	MM	IN	MM	
2000	24.00	610	24.00	610	
2500	26.00	660	24.00	610	
3000	28.00	710	30.00	760	
4000	48.00	1219	48.00	1219	



1200A Max QMB/QMJ
Maximum Two 1200A Per Section

Through Bus		
Amperage	Depth	
	IN	MM
5000	36.00	914
4000	48.00	1219

Switch	QMB Height	QMJ Height	SCCR 480V	QMB Cbpe	QMJ Cbpe	Fusible Switches		Source 3 Pole	Auxiliary 1A/1B
						480V	240V		
30-30	4.5" Twin		200k	J, R	J	\$1845	\$1145	\$180	\$250
30-blank	4.5" Twin		200k	J, R	J	1235	860	180	250
60-60	6" Twin		200k	J, R	J	1645	1145	300	250
60-blank	6" Twin		200k	J, R	J	1235	860	300	250
100-100	7.5" Twin	8" Twin	200k	J, R	J	2400	1455	300	250
100-blank	7.5" Twin	8" Twin	200k	J, R	J	1890	1095	300	250
200-200	N/A	7.5" Twin	200k	J, R	J	4111	4111	300	250
200-blank	N/A	7.5" Twin	200k	J, R	J	3065	3065	300	250
200	9" Single	N/A	200k	J, R	J	5088	1885	300	250
400	15" Single	9" Single	200k	J, R	J	3985	2480	600	...
600	15" Single		200K, 100k	J, R	J	4555	3490	600	...
800	15" Single		200k	L	L	7300	5445	600	...
1200	24" Single		100k	L	L	9080	9080	600	...
QMB Sub-Total:									

Main Customer Metering (Device(s) or Switchboard):

Device	Price	480V/277 VPM	Current Transformers (each), 3W = 2CT's 4W = 3CT's				QTY	Potential Transformers	
			900	1600	2500	4000		3W	4W
PM600	\$ 7260	...	\$750	\$1450	\$1820	\$1710	...	...	...
PM620	\$712	...	750	1450	1820	1710	...	...	...
CM2160	6625	61200	750	1450	1820	1710	...	\$2790	\$4185
CM2250	11365	1200	750	1450	1820	1710	...	2790	4185
CM2350	12870	1800	750	1450	1820	1710	...	2790	4185
CM2450	13970	1200	750	1450	1820	1710	...	2790	4185

Price Summary

System Amps	Al	Cu	1000A/IN ² Cu	NEMA Type 3R Adder (P. 1)	Total = Qty. X Charge	ULSE Per Main \$668 (Page 6-2)
800	\$3720	\$ 5020	\$ 5020	\$2375		Incoming sections Sub-Total (Page 6-3)
200	4320	5830	7800	2375		Main and Distribution Sub-Total (Page 6-3)
600	4930	6665	7800	2375		QMB Main Switch Sub-Total (Page 6-3)
4000	5490	7500	7500	2375		I-LINE Sub-Total (Page 6-4)
3500		8750	12610	2375		QMB Sub-Total (Page 6-5)
1000		10635	12610	4360		Customer Metering Sub-Total (Page 6-5)
4070		12910	12610	5020		Section Charge Sub-Total (Page 6-5)
Section Charge Sub-Total:						Special Barriers (Page 6-5)
						3000A I-LINE Charge \$6555 X Qty. _____
						Grand Total:
						X PE1 =

Additional Features

Nameplates \$75 each Qty. _____	\$
Bottom Closure Plug(s) \$320 each Qty. _____ Sub-Total	
Special Barriers Steel \$895 Insulating \$1860 Qty. _____	



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PE1

Discount
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B SWITCHBOARDS
SWITCHGEAR

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Class 500, 600, 800

NO. 9729 P. 4

Load Centers

CIRCUIT BREAKERS

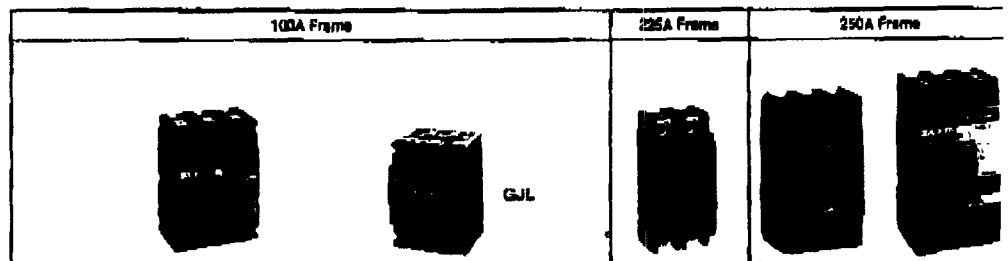
Metering Equipment

Safety Switches

3

Power Monitoring
and Control

4



Breaker Type	FA (240V)	FA	FH	FH	FH	PO	PI	FY	GJL	Q2	Q2-H	Q2H	KG	KA	KH	KC	KJ						
Number of Poles	1, 2, 3	1	2, 3	1	1	2, 3	2, 3	1	3	2, 3	2, 3	2	2, 3	2, 3	2, 3	2, 3	2, 3						
Current Range	15-100	15-100	15-100	15-30	35-100	15-100	15-100	20-100	15-30	15-100	100-225	100-225	100-225	100-250	100-250	70-240	70-250						
Interrupting Ratings																							
UL/CSA/NOM Rating (KA RMS) (50/60 Hz AC)	240Vac	10	18	25	85	25	85	100	200	14	100	10*	22	42	28	65	100						
	480Y/277Vac	...	18	18	85	25	25	65	200	14	...	...	...	...	...	25	35						
	480Vac	...	...	18	...	...	25	85	200	...	...	...	...	...	...	25	35						
	600Y/347Vac	...	...	14	...	...	18	...	100	...	...	...	...	...	...	22	23						
	600Vac	...	...	14	...	...	18	...	100	...	...	...	...	...	...	22	23						
DC Ratings	250Vdc	5	10	10	...	...	10	...	...	...	...	...	...	...	...	10	10						
	600Vdc *	...	...	...	...	...	20	...	...	...	...	...	...	...	...	20	...						
IEC 947-4 (50/60 Hz AC)	415/240Vac (Is)	†	†	†	12.5	12.5	12.5	†	†	...	65	...	...	...	...	†	†						
	415/240Vac (Is)	†	†	†	12.5	12.5	12.5	†	†	...	65	...	...	...	...	†	†						
Special Ratings																							
Fed. Spec. W-C-375B/GEN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
HACR (2, 3-Pole)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Connections/Terminations																							
Unit Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
LINE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Rear Connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Drawout	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Optional Lugs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Accessories and Modifications																							
Shunt Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Undervoltage Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Auxiliary Switches	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Alarm Switch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Motor Operator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Handle Operators	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Mechanical Interlocks (3-Pole)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Handle Padlock Attachment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Cylinder Lock (3-Pole)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Optional GF Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Trip System Type																							
Thermal Magnetic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Instantaneous Trip (3-Pole)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Molded Case Switch (Automatic)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Electronic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Enclosures (Pages 5-37-5-40)																							
General Purpose (NEMA Type 1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Rainight (NEMA Type 3R)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Dustight (NEMA Type 12)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Watertight (NEMA Type 4, 4X, 5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Explosion Proof (NEMA Type 7, 9)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Dimensions (3P Unit Mount)	Height IN (mm)	6 (152)					8 (203)					4.72 (120)			6.44 (163)			7.06 (179)			8 (203)		
	Width IN (mm)	4.5 (114)					4.5 (114)					3.54 (90)			3 (76)			4.12 (105)			4.5 (114)		
	Depth IN (mm)	4.13 (105)					4.75 (121)					3.94 (100)			4.5 (114)			4.07 (103)			4.75 (121)		
Pages (Unit Mount)(I-LINE)																							
Pages 5-3, 5-9/7-24, 7-25										Page 5-9/7-25				Page 5-10/7-26									

NOTE: All circuit breakers on this chart are UL Listed and CSA Certified unless otherwise noted.
 * Factory installed option only
 † Requires breaker with WB suffix
 * Ungrounded UPS systems only
 † Requires factory installed "G" Shunt trip and 3-Pole module.
 * 2-pole Q2 is 10KA at 120/240Vdc
 † See Product Data Bulletin No. 9900PD9508/95/97.

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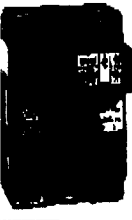
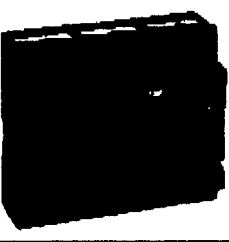
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AUG. 31. 1998 12:54PM

SQUARE D NYFO

Sel. NO. 9729 Infr. Station
Class 600, 800

		400A				600A				1000A				1200A			
																	
Breaker Type		Q4	LA	LH	LC	LX	LE	LI	LXI	MA	MH	MX	ME	NA	NC	NK	NE
Number of Poles		2,3	2,3	2,3	2,3	2,3		2,3	2,3	2,3	2,3	2	3	2,3	2,3	3	3
Current Range		250-400	125-400	125-400	300-600	100-600	100-800	300-800	100-600	300-1000	300-1000	450-800	450-800	600-1200	600-1200	600-1200	800-1200
Interrupting Ratings																	
UL/CSA/NOM Rating (KA MVA) (50/60 Hz AC)	240Vac	25	42	65	100	100	100	200	200	42	65	65	65	100	125	125	125
	480Y/277Vac	...	30	35	65	65	65	200	200	20	65	65	65	50	100	100	100
	480Vac	...	30	35	65	65	65	200	200	20	65	65	65	50	100	100	100
	600Y/347Vac	...	22	25	35	35	35	100	100	22	25	25	25	25	65	65	65
	600Vac	...	22	25	35	35	35	100	100	22	25	25	25	25	65	65	65
DC Ratings	250Vdc	...	10	10	...	...	...	...	...	14	14	...	...	...	...	...	...
	500Vdc	...	...	20	...	...	...	...	...	...	20	...	...	...	...	...	...
IEC 947-2 (50/60 Hz AC)	415/240Vdc (lcs)	...	+	+	65	65	65	+	+	30	65	65	65	50	70	70	70
	415/240Vdc (lcs)	...	+	+	65	65	65	+	+	30	33	33	33	25	35	35	35
Special Ratings																	
Fac. Specs W-C-375B/GEN		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4ACR																	
Connections/Terminations																	
Unit Mount		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
H-UNE		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Rear Connection		/	/	/						/	/						
Breakout																	
Optional Lugs		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Accessories and Modifications																	
Shunt Trip		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Undervoltage Trip		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Auxiliary Switches		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Alarm Switch		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Motor Operator		/	/	/						/	/	/	/	/	/	/	/
Handle Operators		/	/	/						/	/	/	/	/	/	/	/
Mechanical Interlocks (3-pole)			/	/						/	/						
Handle Padlock Attachment		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Cylinder Lock (3-pole)		/	/	/						/	/						
Optional GF Protection					/	/	/	/	/		/	/	/			/	/
Trip System Type																	
Thermal Magnetic		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Instantaneous Trip (3-pole)			/	/						/	/			/	/		
Molded Case Switch (Automatic)				/							/				/		
Electronic					/	/	/	/	/		/	/	/		/	/	/
Enclosures - (Pages 5-37-5-40)																	
General Purpose (NEMA Type 1)		/	/	/						/	/	/	/				
Rainight (NEMA Type 3R)		/	/	/						/	/	/	/	/	/	/	/
Dusight (NEMA Type 12)		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Wateright (NEMA Type 4, 4X, 8)		/	/	/						/	/	/	/				
Explosion Proof (NEMA Type 7, 9)																	
Dimensions (3P Unit Mount)	Height IN (mm)	11 (279)				11.66 (301)				14 (350)				14.75 (375)			
	Width IN (mm)	8 (152)				7.5 (190)				9 (229)				9 (229)			
	Depth IN (mm)	5.84 (148)				6.74 (171)				6.5 (165)				6.5 (165)			
Pages (Unit Mount/H-UNE)		Page 5-11/7-26, 7-27				Pages 5-11, 5-18/7-27, 7-28				Page 5-11/7-27				Page 5-19/7-29			

Note: All circuit breakers on this chart are UL Listed and CSA Certified unless otherwise noted.
 * Factory installed option only. * Requires breaker with WB suffix.
 * Ungrounded LPS systems only. * Requires factory installed "O" Shunt trip.
 * 300A for 450A-600A ratings. * See Product Data Bulletin No. 05C0PD9502R5/97

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