

NSX Series

- High performance with a wide range of interchangeable trip units to protect most applications
- Can be equipped with MA or TM thermal magnetic trip units or Micrologic 2/5/6 electronic trip units to provide protection against short circuits and overloads
- Complies with many marine classifications including: Veritas, Lloyd's Register of Shipping, Det Norske Veritas



NSX SERIES

Item Number	Pole	Ratings	Series	Price
LV429003	3	36kA 380/415V	100	\$431.86
LV430403	3	36kA 380/415V	160	\$657.87
LV431390	3	25kA 380/415V	250	\$916.38
LV431403	3	36kA 380/415V	250	\$1,067.64
LV432403	3	50ka 380/415V	400	\$1,629.11

Trip Units

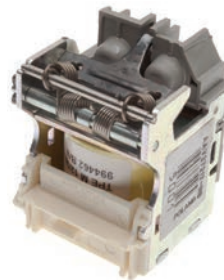
- Thermal magnetic or electronic
- Accurate measurement for complete protection
- Torque limiting screws
- Easy and sure changing of trip units
- "Ready" LED for a continuous self-test



THERMAL MAG TRIP UNIT



SHUNT TRIP



UVR



MOTOR MODULE



AUX. CONTACTS

Item Number	Pole	Amps	Series	Price
Thermal-Mag Trip Unit				
LV429031	3P	80	100	\$306.63
LV429030	3P	100	100	\$353.14
LV430431	3P	125	160	\$360.07
LV430430	3P	160	160	\$546.28
LV431431	3P	200	250	\$603.30
LV431430	3P	250	250	\$663.06
Micro Logic Trip Unit				
LV429070	3P	2.2 100A	100/160/250	\$726.08
LV430470	3P	2.2 160A	100/160/250	\$763.52
LV431470	3P	2.2 250A	250	\$804.09
LV432081	3P	2.3, 400 LSI	400	\$1,395.68

Images are representative of products listed and may not be actual product.

Circuit Breakers

SCHNEIDER

NSX Series (Continued)

Item Number	Ratings	Series	Price
Auxiliary Contacts			
MG29450	AUX CONT BLK	100/160/250/400	\$96.31
Shunt Trip			
LV429390	24VDC	All	\$206.66
UVR			
LV429406	110-130V 50/60 Hz.	All	\$206.66
LV429407	208-277V 60 Hz. 220-240V 50/60 Hz.	All	\$206.66
LV429408	380-415V 50/60 Hz	All	\$206.66
LV429410	24VDC	All	\$206.66
Motor Operator			
LV429433	110-130V 50/60 Hz.	100/160	\$998.17
LV429434	208-277V 60 Hz. 220-240V 50/60 Hz.	100/160	\$998.16
LV431540	110-130V 50/60 Hz.	250	\$1,446.58
LV431541	208-277V 60 Hz. 220-240V 50/60 Hz.	250	\$1,446.58
LV432640	110-130V 50/60 Hz.	400/630	\$2,032.56
LV432641	208-277V 60 Hz. 220-240V 50/60 Hz.	400/630	\$2,032.56

C60 Series

- Fast closing
- C curve, operates between 5 and 10 times the amp rating
- D curve, operates between 10 and 14 times amp rating
- Positive indication of contact disconnect
- Suitable for reverse feeding
- Can be used to provide supplementary protection in OEM equipment
- 10kA at 415 volt AC
- IEC 60947-2, VDE 0660, and CE Marked



SINGLE POLE



DOUBLE POLE

Item Number	Amps	Price
C curve unless otherwise noted		
Single Pole		
M9F11101	1	\$132.27
M9F11102	2	\$132.27
M9F11103	3	\$132.27
M9F11104	4	\$132.27
M9F11106	6	\$132.27
M9F11110	10	\$132.27
M9F11116	16	\$132.27
M9F11120	20	\$132.27
M9F11125	25	\$132.27
M9F11132	32	\$132.27

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C60 Series (Continued)



Item Number	Amps	Price
C curve unless otherwise noted		
Single Pole		
M9F11140	40	\$144.72
M9F11150	50	\$152.95
M9F11163	63	\$161.29
Double Pole		
C Curve unless otherwise noted		
M9F11202	2	\$285.33
M9F11203	3	\$285.33
M9F11204	4	\$285.33
M9F11206	6	\$285.33
M9F11210	10	\$285.33
M9F11216	16	\$285.33
M9F11220	20	\$285.33
M9F11225	25	\$285.33
M9F11232	32	\$285.33
M9F11240	40	\$293.56
M9F11250	50	\$312.90
M9F23250	50 (D curve)	\$314.79
M9F11263	63	\$330.80
Triple Pole		
M9F11302	2	\$413.49
M9F11303	3	\$413.49
M9F11306	6	\$413.49
M9F11310	10	\$413.49
M9F11316	16	\$413.49
M9F11320	20	\$413.49
M9F11325	25	\$413.49
M9F11332	32	\$413.49
M9F11340	40	\$441.06
M9F11350	50	\$463.07
M9F11363	63	\$463.07

Circuit Breakers

SCHNEIDER

C120 Series

- Fast closing
- Trip free mechanism
- Isolation with positive break indication
- C curve: overcurrent protection for all application types; magnetic release operates between 5 and 10 times ampere rating
- D curve: overcurrent protection for loads with high inrush currents (motors, transformers); magnetic release operates between 10 and 14 ampere rating
- Suitable for reverse feeding
- Maximum voltage 440 volt AC
- C120 use the same electrical auxiliaries as the C60, but do not accept the NC100H accessories
- IEC Rated 947-2, VDE 0660, CE Marked
- "Class Approved"



SINGLE POLE



DOUBLE POLE



TRIPLE POLE



Item Number	Amps	Price
Single Pole		
A9N18446	80	\$127.27
A9N18447	100	\$171.55
A9N18448	125	\$130.30
Double Pole		
C Curve unless otherwise noted		
A9N18456	63	\$243.38
A9N18457	80	\$359.22
A9N18458	100	\$359.22
A9N18459	125	\$345.87
A9N18502	100 (D Curve)	\$272.85
Triple Pole		
C Curve unless otherwise noted		
A9N18468	80	\$535.52
A9N18469	100	\$541.42
A9N18513	100 (D Curve)	\$406.74
A9N18470	125	\$514.93
A9N18514	125 (D Curve)	\$514.93

DPN Breakers

- C curve trip design
- Magnetic trip operates between 5 and 10 times amp rating
- Provides protection on the phase pole, but switches both the phase and neutral
- IEC 60947-2 & IEC 60898 Rated



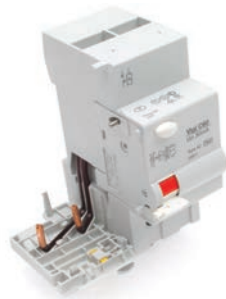
DPN BREAKER

Item Number	Amps	Price
Single phase plus neutral, 60/50 Hz., 230V AC		
M9P22606	6	\$118.44
M9P22610	10	\$138.46
M9P22616	16	\$118.44
M9P22620	20	\$118.44

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VIGI Modules

- Combined with C60, the VIGI module forms a residual current device which conforms to IEC 61009 & EN61009
- Combines with C120 to provide high level of protection against leakage faults
- Combines current sensing toroidal and residual current relay in one case and operates without an auxiliary power supply
- Protection against indirect contact (per IEC standards)
- Rating 220-415 volt AC 125 amp
- IEC 1009 Standards
- Test button will not work on 120 VAC



M9V11363



MG27062



MG26970

Item Number	Poles	Series	Amps	Milliamps	Price
M9V11363	3	C60	30	30ma	\$929.03
M9V11263	2	C60	30	30ma	\$1,148.55
A9N18591	2	C120	30	30ma	\$2,224.19
A9N18594	3	C120	30	30ma	\$2,111.38

Item Number	Description	Price
MG27062	DIN rail spacer	\$12.78
MG26970	Lockouts (pkg 2): clips onto the face of the C60 device, allows to be locked in either the ON or the OFF positions. IEC recognized only	\$58.69

Bus Bars



SINGLE POLE



DOUBLE POLE



TRIPLE POLE

Item Number	Position	Pole	Price
A9XPH112	12	1	\$15.72
A9XPH157	54	1	\$200.34
A9XPH212	12	2	\$43.22
A9XPH224	(2) 24	2	\$62.05
A9XPH257	54	2	\$228.02
A9XPH312	12	3	\$94.49
A9XPH357	54	3	\$283.33
A9XPH324	24	3	\$87.92

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Circuit Breakers

ABB

ST200M Series

- High performance MCB with interrupt rating up to 10 kA
- Certified for AC and DC use acc. to UL 1077 and CSA 22.2 No. 235
- Suitable for many applications due to a wide range of product types and available accessories
- High calibration temperature of 40 °C for reduced derating in ICP applications
- Short-circuit current rating (SC) U2 enables continuous high level short circuit protection
- Laser printing provides clear product information on device
- Clear contact position indication in red/green ("real CPI")
- Unique, patented twin terminal for wiring up to 35 mm² with captive screws
- Field wiring available for most types
- Robust thermoplastic housing material for better protection against external influences



SINGLE POLE

Item Number	Amps	Price
Single Pole		
ST201M-K3	3	\$96.20
ST201M-K6	6	\$101.70
ST201M-K10	10	\$96.20
ST201M-K16	16	\$96.20
ST201M-K20	20	\$96.20

ST200M Series (Continued)



SINGLE POLE



DOUBLE POLE



TRIPLE POLE

Item Number	Amps	Price
Single Pole		
ST201M-K25	25	\$96.20
ST201M-K32	32	\$102.60
ST201M-K40	40	\$121.30
ST201M-K50	50	\$110.20
ST201M-K63	63	\$168.20
Double Pole		
ST202M-K3	3	\$224.30
ST202M-K6	6	\$237.50
ST202M-K10	10	\$219.90
ST202M-K16	16	\$237.50
ST202M-K20	20	\$237.50
ST202M-K25	25	\$237.50
ST202M-K32	32	\$224.40
ST202M-K40	40	\$248.20
ST202M-K50	50	\$263.10
ST202M-K63	63	\$326.90
Triple Pole		
ST203M-K6	6	\$361.40
ST203M-K10	10	\$358.90
ST203M-K16	16	\$358.90
ST203M-K20	20	\$358.90
ST203M-K25	25	\$358.90
ST203M-K32	32	\$342.90
ST203M-K40	40	\$376.20
ST203M-K50	50	\$420.80
ST203M-K63	63	\$484.60
Item Number	Description	Price
Accessories		
AST50/15	Four module plates, blanking	\$51.60

Circuit Breakers

ABB BUS BARS + CARLING

Bus Bars



ENDCAP



ABB BUSBAR

Item Number	Description	Price
80 Amps		
PS-END	2 Pole Endcap	\$5.50
PS-ENDSP	3 Pole Endcap	\$5.95
PS1/60/16SP	1 Pole 60 Position	\$178.85
PS2/58/18CB	2 Pole 58 Position	\$269.00
PS3/57/18CB	3 Pole 60 Position	\$344.85

Toggle

- Voltage 65 volt DC / 250 volt AC
- Switching cycles 10,000 @ rated amp and volt
- Magnetic hydraulic trip free
- CE Marked, TUV Certified, CSA Certified, UL 1077 Recognized
- Single pole 2"(50.8mm)H x .75" (19.05mm)W x 2"(50.8mm)D
- Double pole 3"(76.2mm)H x 1.5" (38.10mm)W x 2"(50.8mm)D
- #10-32 stainless steel terminal screw



AA1 SERIES



AA2 SERIES



BB3 SERIES

Item Number	Amps	Price
AA1		
Single Pole, AC/DC, XX = * Red (RD), Black (BK) or White (WH)		
AA1-5-(XX) *	5	\$20.72
AA1-10-(XX) *	10	\$20.72
AA1-15-(XX) *	15	\$20.72
AA1-20-(XX) *	20	\$20.72
AA1-25-(XX)	25	\$20.72
AA1-30-(XX)	30	\$20.72
AA1-35-(XX)	35	\$20.72
AA1-40-(XX)	40	\$20.72
AA1-50-(XX)	50	\$20.72

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Toggle (Continued)

Item Number	Amps	Price
AA2		
Double Pole, Double Toggle AC/DC, XX = Black (BK) or White (WH)		
AA2-5-(XX)	5	\$48.72
AA2-10-(XX)	10	\$48.72
AA2-15-(XX)	15	\$48.72
AA2-20-(XX)	20	\$48.72
AA2-25-(XX)	25	\$48.72
AA2-30-(XX)	30	\$48.72
AA2-35-(XX)	35	\$48.72
AA2-40-(XX)	40	\$48.72
AA2-50-(XX)	50	\$48.72
AB2		
Double pole, Single White Toggle		
AB2-30A-WH	30	\$58.13
AB2-50A-WH	50	\$58.13
BB3		
Triple Pole, Single White Toggle, Reverse polarity protection		
BB3-30-AVT	30 (2 pole current / 1 pole trip)	\$118.91
BB3-50-AVT	50 (2 pole current / 1 pole trip)	\$118.91

Sealed Toggle

- Switch rated
- Magnetic hydraulic trip free
- Temperature stable
- Sealed actuator
- Volts: 80 volt DC/ 277 volt AC
- 50/60 Hz. @ DC
- CSA Certified, UL 1077 Recognized
- Mounting dimension ½"-32



AMI SERIES

Item Number	Amps	Price
AM1		
Single Pole, Weather Proof, Metal Toggle		
AM1-5	5	\$41.18
AM1-10	10	\$41.18
AM1-15	15	\$41.18
AM1-20	20	\$41.18
AM1-25	25	\$41.18
AM1-30	30	\$41.18
AM1-50	50	\$41.18

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Circuit Breakers

CARLING

A Series Accessories

- Toggle guard uses circuit breaker mounting holes
- Lockout slide allows only 1 double pole AC breaker to be activated at one time
- Fits all double pole A Series toggle
- Uses circuit breaker mounting hole



BOOTS



TOGGLE BOOT



GUARDS



LOCKOUT

Item Number	Description	Price
Boots		
1113/34	Double pole 209 weatherproof / E frame	\$77.28
1113/40	Single pole weatherproof boot AA1	\$18.20
1113/42	Double pole weatherproof boot AA2	\$21.72
50154 25 17	Sealed toggle weatherproof boot (AM Series only)	\$8.48
Guards		
4100	Toggle Guard, protects against accidental switching, includes mounting screws AA1 Series	\$4.88
Lockout		
4125	Breaker lockout slide Double Pole/ 2 Source AA2 Series	\$22.35

Flat Rockers

- Flat actuator resists accidental switching
- Voltage 32 volt DC / 250 volt AC
- Switching cycles 10,000 @ rated amp and volt
- Magnetic hydraulic trip free
- #10-32 stainless steel terminal screw

- CE Marked, TUV Certified, CSA Certified, UL 1077 Recognized
- Single pole 2.217"(56.31mm)H x .75"(19.05mm)W x 2.4"(60.96mm)D
- Double pole 2.31"(58.67mm)H x 1.5"(38.10mm)W x 2.4"(60.96mm)D



A21 SERIES



A22 SERIES

Item Number	Amps	Price
A21		
Single Pole, Black Rocker		
A21-5A	5	\$34.02
A21-10A	10	\$34.02
A21-15A	15	\$34.02
A21-20A	20	\$34.02
A21-25A	25	\$32.54
A21-30A	30	\$34.02
A21-40A	40	\$32.54
A21-50A	50	\$32.54

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Flat Rockers (Continued)

Item Number	Amps	Price
A22		
Double Pole, Single Rocker		
A22-5A	5	\$67.96
A22-10A	10	\$61.25
A22-15A	15	\$61.25
A22-20A	20	\$61.25
A22-25A	25	\$67.96
A22-30A	30	\$67.96
A22-40A	40	\$61.25
A22-50A	50	\$61.25

Raised Rockers

- Colored actuator indicates OFF
- Voltage 32 volt DC / 250 volt AC
- Switching cycles 10,000 @ rated amp and volt
- Magnetic hydraulic trip free
- #10-32 stainless steel terminal screw
- CE Marked, TUV Certified, CSA Certified, UL 1077 Recognized
- Single pole 2.217"(56.31mm)H x .75"(19.05mm) W x 2.4"(60.96mm)D
- Double pole 2.31"(58.67mm)H x 1.5"(38.10mm) W x 2.4"(60.96mm)D



AD1 SERIES

Item Number	Amps	Price
AD1		
Single Pole, Red Rocker Indicator		
AD1B0346104G1C	10	\$92.55
AD1B0346154G1C	15	\$92.55
AD1B0346204G1C	20	\$92.55
AD1B0346254G1C	25	\$92.55
Single Pole, White Rocker Indicator		
AD1B0344504B1C	5	\$92.55
AD1B0346104B1C	10	\$92.55
AD1B0346154B1C	15	\$92.55
AD1B0346204B1C	20	\$92.55
AD1B0346304B1C	30	\$92.55

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Circuit Breakers

CARLING C SERIES

Toggle

- Hydraulic magnetic
- STUD terminals
- Temperature stable
- Volts: 65 volt DC/ 240 volt AC
- 50/60 Hz. DC
- Interrupting ratings:
25 volt DC-5000 amp
250 volt AC-5 thru 50-3000 amp
250 volt AC-51 thru 100-1000 amp
- UL 1077 Recognized and CSA Certified



CA1 SERIES



CA2 SERIES



CA3 SERIES

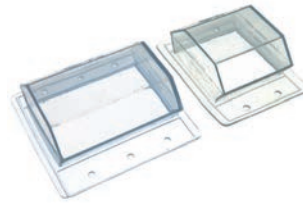
Item Number	Amps	Price
CA1		
Single Pole, AC/DC, Black		
CA1-5	5	\$33.43
CA1-10	10	\$33.43
CA1-15	15	\$33.43
CA1-20	20	\$33.43
CA1-25	25	\$33.43
CA1-30	30	\$33.43
CA1-40	40	\$33.43
CA1-50	50	\$33.43
CA1-60	60	\$33.43
CA1-70	70	\$33.43
CA1-80	80	\$33.43
CA1-100	100	\$33.43
CA2		
Double Pole, AC/DC, LTD=Long Time Delay, Double Toggle		
CA2-10	10	\$77.80
CA2-15	15	\$77.80
CA2-20	20	\$77.80
CA2-25	25	\$77.80
CA2-30	30	\$77.80
CA2-35	35	\$77.80
CA2-40	40	\$77.80
CA2-50	50	\$77.80
CA2-50-LTD	50	\$77.80
CA2-60	60	\$99.41
CA2-65	65	\$99.41
CA2-70	70	\$77.80
CA2-80	80	\$77.80
CA2-90	90	\$77.80
CA2-100	100	\$77.80
CA3		
Triple Pole, AC/DC, Triple Toggle		
CA3-15	15	\$119.66
CA3-30	30	\$119.66
CA3-50	50	\$119.66
CA3-60	60	\$119.66

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C Series Accessories

Lockout Slide

- Allows only 1 of a pair of double pole or triple pole AC circuit breakers to be activated at one time
- Guarantees that AC power from 2 sources will not be mixed
- Fits all double or triple pole C Series toggle
- Uses circuit breaker mounting hole



BOOTS



LOCKOUTS

Item Number	Description	Price
Boots		
HE-1020	Double pole weatherproof boot	\$30.42
HE-1050	Triple pole weatherproof boot	\$31.92
Lockouts		
4130	Double pole breaker lockout slide 2 Sources /C SERIES BREAKERS	\$42.79
4131	Triple pole breaker lockout slide 2 Sources /C SERIES BREAKERS	\$42.79

Bus Bars

- Use for A & C Series Carling breakers
- Also for UPG or UPL airpax



00360-101



00360-103



00360-102

Item Number	Description	Price
Single Pole		
00360-101	Tin plated 15 positions	\$22.95
Double Pole		
00360-103	Power connector 2 positions	\$19.77
00360-102	Epoxy coated 8 positions	\$70.05

Circuit Breakers

BLUE SEA SYSTEMS + MERLIN GERIN

High Load Series

- Magnetic hydraulic trip free
- Stainless steel terminals
- Large frame provides stud terminations for 5-300 amp
- Toggle type breaker
- Offers high interrupt capacity suitable for main circuit protection
- Interrupting rating 65 volt DC, 150-300 amp, 5,000 amp



HIGHLOAD SERIES

Item Number	Amps	Pole	Price
7267	150	2	\$152.14
7269	200	2	\$152.14
7270	250	3	\$197.59

ELCI

- Leakage trip current 30 milli amp
- Flat rocker actuator
- Trips on short circuit, overload, or leakage to ground
- For installation in a power distribution panel
- ELCI main provides overcurrent and leakage protection per ABYC E-11, for whole boat shore power protection
- UL 1077, UL 943 Class A



3102100



3093



3104

Item Number	Frame Series	Poles	Amps	Price
3102100	A	2	30	\$189.69
3093	C	2	50	\$451.97
3104	C	3	50	\$537.98

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Toggle

- 2 & 3 Pole volt: 277/480 AC
- 1 Pole volt: 125 DC, 277 AC
- Ideally suited for higher amperage applications
- Interrupting rating 5000 amp
- UL 1077 Recognized & CSA Accepted



EA1 SERIES



EA2 SERIES



EA3 SERIES



BOOTS

Item Number	Amps	Price
EA1		
Single Pole, AC/DC		
EA1-10	10	\$46.99
EA1-15	15	\$46.99
EA1-20	20	\$46.99
EA1-30	30	\$46.99
EA2		
Double Pole, AC		
EA2-15	15	\$89.41
EA2-20	20	\$89.41
EA2-30	30	\$89.41
EA2-50	50	\$91.69
EA2-50-STUD	50	\$93.56
EA2-60	60	\$91.69
EA2-60-STUD	60	\$93.56
EA2-70	70	\$91.69
EA2-80	80	\$91.69
EA2-80-STUD	80	\$93.56
EA2-100	100	\$91.69
EA2-100-STUD	100	\$104.17
Item Number	Amps	Price
EA2 Long Delay		
EA2-100-LD-STUD	100	\$94.46
EA3		
Triple Pole, AC		
EA3-50	50	\$162.12
EA3-50-STUD	50	\$162.12
EA3-80	80	\$162.12
EA3-100	100	\$162.12
EA3-100-STUD	100	\$162.12
Item Number	Pole	Price
Weatherproof Boots		
1113/34	2	\$77.28
HE-1070	3	\$233.58

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Circuit Breakers

CARLING PUSHBUTTON

CLB Series

- Thermal circuit protector with a compact design
- Push to reset operation
- Screw terminals
- Ratings: 125-250 volt AC, 32 volt DC
- Interrupting rating: 2500 amp
- UL , CUL, CSA, TUV, and CE Approved
- Ignition protection: UL 1500/ISO 8846
- .25 terminal tab



CLB SERIES

Item Number	Amps	Price
CLB-5A	5	\$8.79
CLB-10A	10	\$8.79
CLB-15A	15	\$8.79
CLB-20A	20	\$8.79
CLB-30A	30	\$8.79
CLB-40A	40	\$8.79

CMB Series

- Thermal circuit protector with a compact design
- Push to reset operation
- .25 tab terminals
- Ratings: 125-250 volt AC, 32 volt DC
- Interrupting rating; 2500 amp
- UL, CUL, CSA, TUV, and CE approved
- Ignition protection: UL 1500/ISO 8846



CMB

Item Number	Amps	Price
CMB-3	3	\$3.50
CMB-5	5	\$4.15
CMB-10	10	\$3.96
CMB-15	15	\$4.07
CMB-20	20	\$4.85

CLB/CMB Boots

- Incorporated into waterproof panels
- Protects in wet environments
- 2 per package
- Replaces dress nut mounting on circuit breakers



4135



4136



4137

Item Number	Description	Price
Two per package		
4135	Pushbutton weatherproof boot: Clear	\$5.29
4136	Pushbutton weatherproof boot: White	\$5.29
4137	Pushbutton weatherproof boot: Black	\$5.29

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6766 Series

- Manual reset
- Weatherproof SAE J1625 and ideally suited for rugged applications
- Interrupt current rating: per SAE J1625 and ABYC E-11
- 30 volt DC
- Ignition protection: SEA J1171



6766 SERIES

Item Number	Amps	Price
6766-19-80	80	\$269.29
6766-19-100	100	\$269.29
6766-19-135	135	\$269.29

CDM Series

- 30 volt DC or 120 volt AC
- Designed to protect wiring and meet the harshest environmental requirements
- Interrupt current capacity ABYC E-11
- Weatherproof SAE J553
- Ignition protected SAE J1171
- UL Recognized E36869



CDM SERIES

Item Number	Amps	Price
CDM55	5	\$27.64
CDM10	10	\$28.40
CDM15	15	\$36.48
CDM20	20	\$27.34
CDM30	30	\$29.70
CDM40	40	\$28.38
7851-18-50	50	\$59.88
7851-18-60	60	\$57.32

SDLM Series

- 30 volt DC
- Ignition protected SAE J1171
- Weatherproof SAE J553
- UL Recognized E36869
- Interrupt capacity ABYC E-11
- Thermal breaker designed to protect wiring and meet the harshest environmental requirements
- SAEJ1625



SDLM SERIES

Item Number	Amps	Price
SDLM60	60	\$92.12
SDLM80	80	\$92.12
SDLM105	105	\$92.12
SDLM120	120	\$92.12
SDLM150	150	\$92.12

Circuit Breakers

ETA

W-31 Series

- Single pole
- Trip free operation
- May be used as a ON/OFF Switch
- Screw terminals
- Calibration, continuously 100% trips between 101% and 134%, MUST trip at 135% in an hour

- Interrupting rating 4X max .5-50 amp: 1000 amp @ 240 volt DC
- 30-50 amp: 1000 amp @ 50 volt DC
- Interrupting w/o 4X Max: .5-50 amp: .5-25 amp: 2000 amp @ 50 volt DC
- 10-20 amp: 2000 amp @ 120 volt AC
- UL 1077 and CSA Recognized



W-31 SERIES

Item Number	Amps	Price
W31X2M1G-5	5	\$62.87
W31X2M1G-7.5	7.5	\$74.26
W31X2M1G-10	10	\$71.46
W31X2M1G-15	15	\$46.26
W31X2M1G-20	20	\$47.90
W31X2M1G-25	25	\$68.92
W31X2M1G-30	30	\$57.84
W31X2M1G-40	40	\$69.30
W31X2M1G-50	50	\$52.11

W-23 Series

- Thermal breaker
- Trip free operation
- Visible trip indicator
- Black push-pull with white trip band
- Calibration: continuously 100% trips between 101% and 134%, MUST trip at 135% in an hour

- Interrupting rating 4X max: .50-50 amp: 1000 amp @ 240 volt DC
- 30-50 amp: 1000 amp @ 50 volt DC
- Interrupting w/o 4X max: .5-25 amp: 2000 amp @ 50 volt DC
- 10-20 amp: 2000 amp at 120 volt AC
- UL 1077 and CSA Recognized



W-23 SERIES

Item Number	Amps	Price
W23X1A1G-5	5	\$47.21
W23X1A1G-10	10	\$52.03
W23X1A1G-15	15	\$40.55
W23X1A1G-20	20	\$55.96
W23X1A1G-30	30	\$54.38

W-58 Series

- Cannot be manually tripped
- Thermal breaker
- Button extends for visual trip indication
- .250" QC termination
- Push to reset breaker

- Max operating: 50 volt DC, 250 volt AC
- Interrupting rating 2000 amp @ 50 volt DC, 1000 amp @ 250 volt AC
- 1,000 amp at 250 volt AC
- UL 1077 and CSA Recognized



W-58 SERIES

Item Number	Amps	Price
W58XB1A4A-5	5	\$17.98
W58XB1A4A-10	10	\$17.98
W58XB1A4A-15	15	\$31.65
W58XB1A4A-20	20	\$18.42
W58XB1A4A-30	30	\$27.60

Boot

NC3030.7/16-28	Clear Boot	\$6.22
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List pricing in catalog is subject to change without notice.

41 Series

- Thermal circuit breaker
- Trip free
- Push-pull
- Manual actuation
- Threaded neck for panel mounting
- 240 volt AC/50 volt DC



41 SERIES

Item Number	Amps	Price
412-K14-LN2-10	10	\$69.56
412-K14-LN2-15	15	\$71.38
412-K14-LN2-20	20	\$212.50
413-K14-LN2-30	30	\$91.04
413-K14-LN2-40	40	\$79.66
413-K14-LN2-50	50	\$79.34
413-K14-LN2-60	60	\$89.86
413-K14-LN2-70	70	\$80.68
X20080104	Clear Boots	\$10.90

2-5700 Series

- Trip free
- Threaded neck or flange for panel mounting
- Thermal circuit breaker
- 250 volt AC/28 volt DC



45 SERIES

Item Number	Amps	Price
2-5700-5	5	\$20.76
2-5700-10	10	\$20.76
2-5700-15	15	\$25.06
2-5700-20	20	\$27.62
2-5700-25	25	\$48.76
2-5700-30	30	\$24.52
X20129603	Clear Boots	\$9.34

1658 Series

- Thermal circuit breaker
- Trip free
- Manual reset
- 240 volt AC/28 volt DC



1658 SERIES

Item Number	Amps	Price
1658-G21-5A	5	\$5.28
1658-G21-7A	7	\$7.77
1658-G21-10A	10	\$5.43
1658-G21-15A	15	\$5.28
1658-G21-20A	20	\$4.92
1658-G21-30A	30	\$5.55
X20128501	Clear Boots	\$3.70

Images are representative of products listed and may not be actual product.

Circuit Breakers

COOPER BUSSMAN

187 Series

- Manual reset breaker with On-Off switch capability
- Thermal magnetic
- 5/16-18 threaded studs
- Panel mount breaker
- Rating 25-200 amp, 48 volt DC
- Interrupt rating 5kA@ 12 volt DC
- ABYC E-11, CE Approved
- Ignition protected SAE J11711
- Panel mounted

Item Number	Amps	Price
Panel Mount		
CB187P-30	30	\$81.59
CB187P-40	40	\$81.59
CB187P-50	50	\$81.59
CB187P-60	60	\$81.59
CB187P-70	70	\$81.59
CB187P-80	80	\$81.59
CB187P-100	100	\$81.59



187 SERIES
PANEL MOUNT



187 SERIES
SURFACE MOUNT

Item Number	Amps	Price
CB187P-150	150	\$81.59
Surface Mount		
CB187F-30	30	\$80.13
CB187F-40	40	\$80.13
CB187F-50	50	\$80.13
CB187F-60	60	\$80.13
CB187F-100	100	\$80.13
CB187F-150	150	\$80.13

255 Series

- Type III ignition protected
- Weatherproof
- Panel-mount
- Manual reset with "push-to-trip" option
- SEMS nuts installed
- 32 volt DC

Item Number	Amps	Price
CB255-10	10	\$54.80
CB255-20	20	\$54.80
CB255-30	30	\$54.80



255 SERIES

Item Number	Amps	Price
CB255-40	40	\$54.80
CB255-50	50	\$54.80

185/285 Series

- Push to trip
- Surface mount or panel mount
- Visual indication of tripped condition
- Termination 1/4-28 threaded studs
- Ratings 25-150 amp, 48 volt DC
- Interrupt rating 30000 amp @ 30 volt DC
- SAE J1625, ABYC E-11, CE Approved
- Ignition protected SAE J1171

Item Number	Amps	Price
Surface Mount		
CB285F-30	30	\$50.87
CB285F-40	40	\$50.87
CB285F-50	50	\$50.87
CB285F-60	60	\$50.87
CB285F-70	70	\$50.87
CB285F-80	80	\$50.87
CB285F-90	90	\$50.87
CB285F-100	100	\$50.87
CB285F-120	120	\$50.87
CB285F-150	150	\$50.87



SURFACE MOUNT



PANEL MOUNT

Item Number	Amps	Price
Panel Mount		
CB185P-30	30	\$48.15
CB185P-40	40	\$48.15
CB185P-50	50	\$48.15
CB185P-60	60	\$48.15
CB185P-70	70	\$48.15
CB185P-80	80	\$48.15
CB185P-100	100	\$48.15
CB185P-150	150	\$48.15

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Circuit Protection

- Plated steel construction
- Thermal style
- Multiple mounting options
- Two stud terminal with nuts



30055-10

Item Number	Amps	Price
12V DC		
30055-10	10	\$15.31
30055-15	15	\$15.43
30055-20	20	\$13.28
30055-30	30	\$13.78
30055-40	40	\$13.75
30055-50	50	\$16.68

SCHNEIDER

QOU Series

- 48 volt DC/ 240 volt AC
- Thermal magnetic
- Automatic and manual
- Open circuits
- Visi-trip indicator
- Lugs on both end for ease of install
- Surface, flush, or DIN Mounting
- Typical dock power pedestal circuit breaker
- UL and CSA Recognized



QOU SERIES

Item Number	Amps	Price
Double Pole		
QOU250	50	\$144.83
QOU260	60	\$93.38
QOU2100	100	\$414.57