



Heating, Ventilating & Air Conditioning



SECTION

**Heating, Ventilating
& Air Conditioning**



Heating, Ventilating & Air Conditioning

Condensers, Furnaces

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Mini-Split System

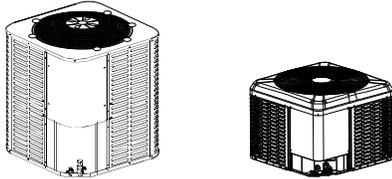
Mini-Split System.....	G12
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Heating, Ventilating & Air Conditioning





R410 CONDENSERS AND HEAT Pumps



Fraser-Johnston condensers and heat pumps can help meet your heating and cooling needs while staying within your budget. Their condenser units are equipped with essential features to cool your home quietly and effectively in warm weather, while their heat pumps can remove heat when it's warm and add heat when it's cool. Your heating and cooling installer can help you decide which Fraser-Johnston component is right for your home.

- A compact design and small footprint require minimal yard space
- Fraser-Johnston air conditioners and heat pumps operate quietly, with a maximum sound level of 76 decibels.
- Painted, galvanized steel cabinets resist rust and stand up to weather, helping to maintain the life of your unit.
- 10 year registered limited warranty* / 5 year base limited warranty (R-410A Models)

AIR CONDITIONERS

Vendor Code: **YIN**

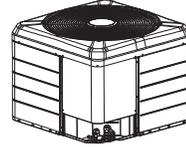
Catalog Number	Tonnage	Dimensions (in.)			Price Each
		H	W	D	
1-PH, 208/230V - 14 SEER					
TC4B1822S	1.5	30	24	24	1663.78
TC4B2422S	2	26.75	29.25	29.25	1763.30
TC4B3022S	2.5	26.75	29.25	29.25	1913.27
TC4B3622S	3	30	29.25	29.25	2096.90
TC4B4222S	3.5	36.25	29.25	29.25	2363.22
TC4B4821S	4	33.25	35.25	31.75	2661.76
TC4B6021S	5	36.25	38	34.25	3044.42
1-PH, 208/230V - 15 SEER					
TCTB1821S	1.5	30	29.25	29.25	2215.37
TCTB2421S	2	30	29.25	29.25	2295.99
TCTB3021S	2.5	36.25	35.25	31.75	2658.88
TCTB3621S	3	36.25	35.25	31.75	2854.50
TCTB4221S	3.5	39.5	38	34.25	3395.10
TCTB4821S	4	39.5	38	34.25	3687.78
TCTB6021S	5	42.75	38	34.25	3905.57

HEAT PUMPS

Vendor Code: **YIN**

Catalog Number	Tonnage	Dimensions (in.)			Price Each
		H	W	D	
1-PH, 208/230V - 14 SEER					
TH4B1821S	1.5	33.25	29.25	29.25	2089.12
TH4B2421S	2	36.25	29.25	29.25	2266.89
TH4B3021S	2.5	39.5	35.25	31.75	2371.60
TH4B3622S	3	39.5	38	34.25	2852.08
TH4B4222S	3.5	39.5	38	34.25	2661.12
TH4B4822S	4	39.5	38	34.25	3300.89
TH4B6022S	5	42.5	38	34.25	3635.28
1-PH, 208/230V - 16 SEER					
TH16B2421S	2	33.25	29.25	29.25	2810.39
TH16B3621S	3	39.5	29.25	29.25	2668.77
TH16B4821S	4	39.5	35.25	31.75	3794.57
TH16B6021S	5	39.5	35.25	31.75	4263.07

R407C STRAIGHT COOLING CONDENSER GUARDIAN



The GAW14L models meet the Minimum Efficiencies in all US DOE Regions and are specifically designed to be matched with Johnson Controls Unitary Products R-407C indoor coils to provide a complete system solution.

- R22 System Compatible
- Independent panels provide quick access for unit setup. Installation time is reduced by easy power and control wiring access. The factory installed filterdrier means less time spent brazing and charging the system. The small base dimension and reduced unit clearances make for easier retrofits.
- Shipped with 1 LB. of R407C holding charge the remaining refrigerant must be field sourced and charged by a certified HVAC technician.
- The coated steel wire fan guard, coated external fasteners, and pre-treated G90-equivalent galvanized steel chassis components resist corrosion and rust creep. Powdercoat paint further protects external panels.

Vendor Code: **YIN**

Catalog Number	Tonnage	Dimensions (in.)			Price Each
		H	W	D	
1-PH, 208/230V - 14 SEER					
GAW14L18C23S	1.5	30	29.25	29.25	1513.43
GAW14L24C23S	2	30	29.25	29.25	1607.04
GAW14L30C23S	2.5	36.25	29.25	29.25	1717.92
GAW14L36C23S	3	33.25	35.25	31.75	1863.37
GAW14L48C23S	4	36.25	38	34.25	2324.88
GAW14L60C23S	5	42.25	38	34.25	2598.49

Please Note

HVAC products are available only at select Elliott Electric Supply locations. Please contact your local rep for details.

Refrigerant and products which contain refrigerant will only be sold to individuals in possession of a valid EPA certification, or if a valid certification is on file for customer's account.

* Registered Limited Warranty terms are applicable if the products are registered within 60 days of installation. Products can be registered online at www.upgproductregistration.com otherwise Fraser-Johnston Base Limited Warranty terms will apply.

SEER: Seasonal Energy Efficiency Ratio. The higher the SEER ratio, the greater the efficiency.

AFUE: Annual Fuel Utilization Efficiency. The percentage of fuel burned converted to heat.



Heating, Ventilating & Air Conditioning





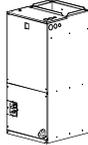
FURNACES
80% AFUE



Vendor Code: **YIN**

Catalog Number	Nominal CFM	BTU	Dimensions (in.)			Price Each
			H	W	D	
115V						
TM8E040A12MP11	1,200	40,000	33	14.5	29.5	1104.74
TM8E060A12MP11	1,200	60,000	33	14.5	29.5	1140.63
TM8E080B12MP11	1,200	80,000	33	17.5	29.5	1199.03
TM8E080C16MP11	1,600	80,000	33	21	29.5	1242.21
TM8E100B12MP11	1,200	100,000	33	17.5	29.5	1278.72
TM8E100C16MP11	1,600	100,000	33	21	29.5	1285.40
TM8E100C20MP11	2,000	100,000	33	21	29.5	1328.60
TM8E120C20MP11	2,000	120,000	33	21	29.5	1422.90

AIR HANDLERS

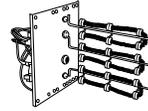


Vendor Code: **YIN**

Catalog Number	Tonnage	Dimensions (in.)			Price Each
		H	W	D	
PSC MOTOR					
AP24BX21	2	41	17.5	21.4375	1054.50
AP30BX21	2.5	47.5	17.5	21.4375	1142.07
AP37CX21	3	51.5	21	21.4375	1361.60
AP48CX21	4	51.5	21	21.4375	1493.57
ECM MOTOR					
AE24BX21	2	41	17.5	21.4375	1253.79
AE36BX21	3	47.5	17.5	21.4375	1443.60
AE48CX21	4	51.5	21	21.4375	1729.66
AE60CX22	5	55.5	21	21.4375	1967.56
AE60DX21	5	55.5	24.5	21.4375	1999.65

FRASER-JOHNSTON
Heating • Air Conditioning
a division of Johnson Controls
MADE IN AMERICA

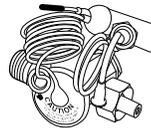
HEATER ELEMENTS



Vendor Code: **YIN**

Catalog Number	KW	Heater Amps	Price Each
W/SERVICE DISCONNECT			
S16HK16500506	5	20	138.62
S16HK16500806	8	32	144.88
S16HK16501006	10	40	163.14
W/SERVICE DISCONNECT & BREAKER JUMPER BAR			
S16HK26501306	13	52	313.11
S16HK26501506	15	60	311.19
S16HK26501806	18	72	338.58
S16HK26502006	20	80	350.12

EXPANSION VALVES



Vendor Code: **YIN**

Catalog Number	Tonnage	Price Each
TXV 3/4" CHATLEFF		
S11TVMBA1	1.5 - 3.5	87.20
S11TVMBB1	2.5 - 4	87.20
S11TVMBC1	4 - 5	87.20
S11TVMBD1	5	87.67
S11TVMBG1	5	92.27
S11TVMBH1	1.5 - 3.5	86.23
TXV WASHER		
S102131419000		1.06

EVAPORATOR COILS

Vendor Code: **YIN**

Catalog Number	Tonnage	Dimensions (in.)			Price Each
		H	W	D	
CM24XA1	2	19.5	14.5	21.5	612.81
CM30BXA1	2.5	25.5	17.5	21.5	700.91
CM36BXA1	3	25.625	17.5	21.5	761.30
CM36CXA1	3	25	21	21.5	777.64
CM42CXA1	3.5	27	21	21.5	851.91
CM48CXA1	4	33	21	21.5	956.33
CM60CXA2	5	33	21	21.5	1150.11
CM64XA1	5	32.75	24.25	21.5	1508.76

SEER: Seasonal Energy Efficiency Ratio. The higher the SEER ratio, the greater the efficiency.

AFUE: Annual Fuel Utilization Efficiency. The percentage of fuel burned converted to heat.

Please Note
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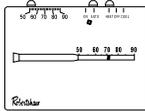


ELLIOTT ELECTRIC SUPPLY

G5

Thermostats · Refrigerant · Filters

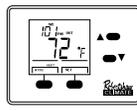
THERMOSTATS ROBERTSHAW



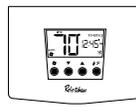
9200H



RS332N



RS1110



RS6220

Vendor Code: **RSW**

Catalog Number	Stages	Display Size	Switching/Voltage	Control Type	Temp. Range	Price Each
NON-PROGRAMMABLE						
9200H	1H/1C	Dial	SPDT 24V	Mechanical	50F-90F	20.47
80122*	1H	Dial	SPST 120/240/277	Mechanical	50F-90F	17.50
80222*	1H	Dial	DPST 120/240/277	Mechanical	50F-90F	19.05
RS4110	1H/1C	2.25" x 1"	24V	Electronic	45F-90F	52.42
RS4220	2H/2C	2.25" x 1"	24V	Electronic	45F-90F	57.42
RS311N	1H/1C	1" x 2"	SPDT 24V	Electronic	38F-108F	85.03
RS321N	2H/1C	1" x 2"	24V	Electronic	38F-108F	106.31
RS332N	3H/2C	1" x 2"	24V	Electronic	38F-108F	114.85
PROGRAMMABLE						
RS1110	1H/1C	2" x 1.75"	SPDT 24V	Electronic	40F-90F	27.09
RS6110	1H/1C	2.25" x 1"	SPDT 24V	Electronic	45F-90F	63.78
RS6220	2H/2C	2.25" x 1"	24V	Electronic	45F-90F	71.25
RS6320	3H/2C	2.25" x 1"	24V	Electronic	45F-90F	98.18
RS7210	2H/1C	4.5"	24V	Electronic with WIFI	46F-99F	106.66

*These Items are Suitable for Use with Electric Systems Only. All Others are Suitable for Use with Gas/Oil/Electric/Heat Pump Systems.

THERMOSTATS PRO1 - IAQ



T701



T801



T755S



T855I

Vendor Code: **IAQ**

Catalog Number	Stages	Display Size	Switching/Voltage	Control Type	Temp Range	Price Each
NON-PROGRAMMABLE						
T701	1H/1C	4"	24V	Electronic	44F-90F	44.14
T771	1H or 1C	4"	24V	Electronic	25F-99F	42.61
T721	1H/1C CONV / 2H/1C HP	4"	24V	Electronic	44F-90F	57.74
T801	1H/1C	8"	24V	Electronic	44F-90F	74.73
PROGRAMMABLE						
T705	1H/1C	4"	24V	Electronic	44F-90F	50.14
T725	1H/1C CONV / 2H/1C HP	4"	24V	Electronic	44F-90F	66.63
T755	2H/2C CONV / 3H/2C HP	6"	24V	Electronic	44F-90F	88.03
T805	1H/1C	8"	24V	Electronic	44F-90F	91.66
T701I	1H/1C	4"	24V	Electronic with WIFI	44F-90F	97.03
T755S	2H/2C CONV / 3H/2C HP	6"	24V	Electronic	44F-90F	111.43
T855S	2H/2C CONV / 3H/2C HP	8"	24V	Electronic	44F-90F	103.93
T855SH	2H/2C CONV / 5H/3C HP	8"	24V	Electronic	44F-90F	125.98
T905	1H/1C	13"	24V	Electronic	44F-90F	119.66
T955	2H/2C CONV / 3H/2C HP	13"	24V	Electronic	44F-90F	145.35
T855I	2H/2C CONV / 4H/2C HP	8"	24V	Electronic with WIFI	44F-90F	144.08
T955S	2H/2C CONV / 3H/2C HP	13"	24V	Electronic	44F-90F	163.68

These Items are Suitable for Use with Gas/Oil/Electric/Heat Pump Systems.

REFRIGERANT



Vendor Code: **RFR**

Catalog Number	Cylinder Size (lb)	Price Each
R134A30	30	453.46
R2230	30	1832.99
R404A24	24	621.17
R407C25	25	520.41
R410A25	25	430.00
R421A25	25	628.36
R422B25	25	633.14
R438A25	25	598.79

Please Note

Refrigerant is a commodity and is subject to weekly price changes.

Refrigerant and products which contain refrigerant will only be sold to individuals in possession of a valid EPA certification, or if a valid certification is on file for customer's account.

WIRE BACK PLEATED FILTER MX 40 MERV 8



Vendor Code: **CLR**

Catalog Number	Size	Price Each
450122	12" X 12" X 1"	6.85
450100	12" X 24" X 1"	5.44
450139	14" X 20" X 1"	6.24
450141	14" X 25" X 1"	6.20
450245	15" X 20" X 2"	5.94
450243	16" X 16" X 2"	5.92
450101	16" X 20" X 1"	5.50
450201	16" X 20" X 2"	5.88
450401	16" X 20" X 4"	11.02
450102	16" X 25" X 1"	6.14
450202	16" X 25" X 2"	6.72
450402	16" X 25" X 4"	11.74
450180	18" X 20" X 1"	6.60
450112	18" X 24" X 1"	6.72
450103	20" X 20" X 1"	6.14
450203	20" X 20" X 2"	6.66
450403	20" X 20" X 4"	11.76
450111	20" X 24" X 1"	6.14
450104	20" X 25" X 1"	6.80
450204	20" X 25" X 2"	7.62
450404	20" X 25" X 4"	13.14
450132	20" X 30" X 1"	6.84
450105	24" X 24" X 1"	7.40
450205	24" X 24" X 2"	8.30
450125	25" X 25" X 1"	7.44

Heating, Ventilating & Air Conditioning

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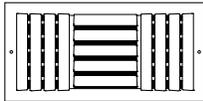
**R8 FLEX DUCT
25' BAG**



Vendor Code: **FXD**

Catalog Number	Size	Price Each
FD4R8	4"	71.74
FD5R8	5"	77.68
FD6R8	6"	81.36
FD7R8	7"	91.39
FD8R8	8"	99.97
FD9R8	9"	110.04
FD10R8	10"	119.96
FD12R8	12"	147.53
FD14R8	14"	175.05
FD16R8	16"	208.73
FD18R8	18"	247.31
FD20R8	20"	326.09

**SUPPLY AIR REGISTERS
3 WAY CEILING**



Vendor Code: **GDR**

Catalog Number	Size	Price Each
3SW0804	8" x 4"	4.91
3SW1006	10" x 6"	6.30
3SW1008	10" x 8"	7.22
3SW1206	12" x 6"	6.83
3SW1208	12" x 8"	8.96
3SW1406	14" x 6"	8.41
3SW1408	14" x 8"	9.94

**SUPPLY AIR REGISTERS
CURVED**

Vendor Code: **GDR**

Catalog Number	Size	Price Each
1 WAY		
1CB0804	8" x 4"	5.16
1CB1006	10" x 6"	6.65
1CB1008	10" x 8"	7.60
1CB1206	12" x 6"	7.16
1CB1208	12" x 8"	9.39
1CB1406	14" x 6"	8.81
1CB1408	14" x 8"	10.66
3 WAY		
3CB0804	8" x 4"	5.16
3CB1006	10" x 6"	6.65
3CB1008	10" x 8"	7.60
3CB1206	12" x 6"	7.16
3CB1208	12" x 8"	9.39
3CB1406	14" x 6"	8.81
3CB1408	14" x 8"	10.66

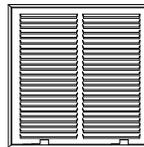
**STAMPED RETURN AIR
FLAT GRILLE**



Vendor Code: **GDR**

Catalog Number	Size	Price Each
1RA0606	6" x 6"	2.40
1RA0804	8" x 4"	2.38
1RA0808	8" x 8"	3.49
1RA1006	10" x 6"	3.23
1RA1008	10" x 8"	4.55
1RA1010	10" x 10"	5.65
1RA1206	12" x 6"	3.83
1RA1212	12" x 12"	5.73
1RA1406	14" x 6"	4.02
1RA1408	14" x 8"	4.40
1RA1414	14" x 14"	6.19
1RA1608	16" x 8"	5.65
1RA1610	16" x 10"	6.78
1RA1810	18" x 10"	7.81
1RA2010	20" x 10"	8.55
1RA2020	20" x 20"	16.04
1RA2025	20" x 25"	18.68
1RA2410	24" x 10"	9.10
1RA2412	24" x 12"	11.45
1RA2516	25" x 16"	15.24
1RA2520	25" x 20"	18.68
1RA3010	30" x 10"	11.17
1RA3012	30" x 12"	12.88
1RA3014	30" x 14"	15.31
1RA3020	30" x 20"	21.72

**STAMPED RETURN AIR
FILTER GRILLE**



Vendor Code: **GDR**

Catalog Number	Size	Price Each
1RAF1212	12" x 12"	15.00
1RAF1425	14" x 25"	28.50
1RAF1625	16" x 25"	31.02
1RAF2020	20" x 20"	27.01
1RAF2025	20" x 25"	33.74
1RAF2030	20" x 30"	45.99
1RAF2514	25" x 14"	28.50
1RAF2516	25" x 16"	31.02
1RAF2520	25" x 20"	33.74
1RAF3020	30" x 20"	43.09

**SUPPLY AIR REGISTERS
ADJUSTABLE BLADE**



Vendor Code: **GDR**

Catalog Number	Size	Price Each
SDFSABS0804	8" x 4"	10.11
SDFSABS1006	10" x 6"	12.40
SDFSABS1008	10" x 8"	14.81
SDFSABS1206	12" x 6"	14.51
SDFSABS1208	12" x 8"	17.07
SDFSABS1406	14" x 6"	16.56
SDFSABS1408	14" x 8"	25.14

**SUPPLY AIR REGISTERS
2 WAY SIDEWALL**

Vendor Code: **GDR**

Catalog Number	Size	Price Each
2SW0804	8" x 4"	4.91
2SW1006	10" x 6"	6.30
2SW1206	12" x 6"	6.83
2SW1406	14" x 6"	8.41

CONCRETE PADS

Vendor Code: **DVV**

Catalog Number	Size	Price Each
L30303	30" x 30" x 3"	71.72
L36363	36" x 36" x 3"	94.51
L36423	36" x 42" x 3"	105.97

PLASTIC PADS

Vendor Code: **DVV**

Catalog Number	Size	Price Each
EL30303	30" x 30" x 3"	60.01
EL36363	36" x 36" x 3"	71.12
EL36483	36" x 48" x 3"	95.72

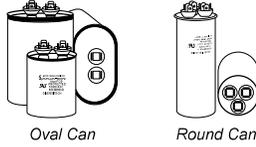
Please Note
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Motor Run Capacitors

MOTOR RUN CAPACITOR 370/440V



Vendor Code: **GBL**

Catalog Number	MicroFarads	Price Each
SINGLE CAPACITANCE - OVAL		
2028	4	8.14
2029	5	7.62
2031	7.5	8.98
2032	10	9.79
2033	12.5	11.77
2034	15	12.56
2036	17.5	6.25
2035	20	3.45
2040	25	6.25
2043	35	10.03
2045	40	5.00
2048	45	15.29
2052	55	5.85
2054	60	18.75

Catalog Number	MicroFarads	Price Each
SINGLE CAPACITANCE - ROUND		
2252	4	7.14
2253	5	9.61
2255	7.5	10.97
2256	10	12.04
2257	12.5	13.01
2258	15	14.02
2259	17.5	15.16
2260	20	16.16
2261	25	18.42
2262	30	20.89
2263	35	23.99
2264	40	26.72
2265	45	28.61
2266	50	31.66
2267	55	35.80
2299B	60	40.16
2295	65	43.80
2296	80	49.09

Catalog Number	MicroFarads	Price Each
DUAL CAPACITANCE		
2271	25/5	24.29
2272	30/5	23.60
2273	35/5	25.68
2290	40/5	32.98
2297	45/5	34.59
2298A	40/7.5	36.99
2299	45/7.5	30.37
2299A	50/5	39.36
2267B	55/5	37.59
2298B	60/6	37.26
2298	60/7.5	44.61
2299AA	80/5	52.89

Metal Cans

Replacement capacitors must be as high or higher than the original and same MicroFarads.

MOTOR RUN CAPACITOR 370/440V

MADE IN THE U.S.A.



Round Can

Vendor Code: **GBL**

Catalog Number	MicroFarads	Price Each
SINGLE CAPACITANCE - ROUND		
USA2204	5	12.96
USA2206	7.5	12.91
USA2207	10	14.75
USA2208	12.5	15.53
USA2209	15	14.75
USA2211	20	19.86
USA2212	25	24.24
USA2213	30	26.63
USA2214	35	30.76
USA2215	40	31.89
USA2216	45	35.11
USA2217	50	39.60
USA2218	55	40.70
USA2219	60	41.01
USA2220	65	44.31
USA2228	70	51.16
USA2229	80	66.86

Catalog Number	MicroFarads	Price Each
DUAL CAPACITANCE - ROUND		
USA2225	25/5	26.95
USA2226	30/5	29.01
USA2227	35/5	32.64
USA2291	35/7.5	33.88
USA2235	40/5	37.78
USA2232	40/7.5	37.81
USA2236	45/5	38.04
USA2233	45/7.5	38.04
USA2237	50/5	43.13
USA2240	55/5	46.56
USA2220B	60/5	46.10
USA2222BA	80/5	61.19

Metal Cans

TURBO MULTI RUN CAPACITOR 370/440V

Vendor Code: **GBL**

Catalog Number	MicroFarads	Price Each
OVAL		
TURBOMINOVAL	2.5-15	21.38
ROUND		
TURB0200	2.5-67.5	108.61

TURBO START CAPACITOR 330V

Vendor Code: **GBL**

Catalog Number	MicroFarads	Price Each
TURBOLYTICJR	0-277	50.00
TURBOLYTIC50	0-302	59.45



MOTOR RUN CAPACITOR 370/440V



Round Can

Vendor Code: **MAI**

Catalog Number	MicroFarads	Price Each
DUAL CAPACITANCE - ROUND		
12816	80/7.5	27.28
12821	80/10	33.71

Metal Cans

MOTOR START CAPACITOR



Vendor Code: **MAI**

Catalog Number	MicroFarads	Price Each
110/125V		
11910	108-130	4.19
11913	145-174	4.32
11914	161-193	4.46
11915	189-227	4.59
11916	200-240	5.26
11917	218-259	4.97
11918	233-291	5.00
11919	270-324	5.29
11921	324-388	5.48
11924	400-480	6.84
11925	460-552	6.77
11926	540-648	7.24
11927	590-708	8.42
11929	829-995	9.94

Catalog Number	MicroFarads	Price Each
220/250V		
11944	72-88	5.88
11946	108-130	7.35
11948	124-155	8.16
11949	145-175	8.33
11950	161-193	9.55
11951	189-227	11.08
11952	218-259	11.50
11953	233-292	11.98
11954	270-324	14.21

Catalog Number	MicroFarads	Price Each
330V		
11962	88-108	7.61
11965	124-156	8.47
11966	145-174	10.19
11968	189-227	11.67
11970	270-324	14.81



Heating, Ventilating & Air Conditioning





**CONDENSER FAN MOTORS
BALL BEARING SHAFT
1/2" X 6"**



Vendor Code: **PEM**

Catalog Number	HP	RPM	FLA	Price Each
SINGLE SPEED, 208 – 230V				
EM3404	1/4	825	1.5	163.66
EM3405	1/3	825	1.8	188.02
EM3727	1/6	1,075	1.3	119.34
EM3728	1/4	1,075	1.8	136.56
EM3729	1/3	1,075	2.5	146.46
EM3730	1/2	1,075	3.5	181.82
EM3731	3/4	1,075	5.3	211.64
MULTIPLE HP, TWO SPEED, 208/230V				
EM3469	1/3-1/5	825	1.9/1.2	176.72
EM3465	1/3-1/5	1,075	2.6/1.4	165.10
EM3468	1/2-1/4	1,075	3.6/1.7	191.68

**DIRECT DRIVE
FURNACE BLOWER MOTORS
SLEEVE BEARING SHAFT
1/2" X 6"**



Vendor Code: **PEM**

Catalog Number	HP	RPM	FLA	Price Each
THREE SPEED, 115V				
EM3583	1/4	1075	4.6	133.72
EM3585	1/3	1075	6.7	150.32
EM3587	1/2	1075	10.2	183.36
EM3589	3/4	1075	11.3	188.68
THREE SPEED, 230V				
EM3584	1/4	1075	2.2	135.04
EM3586	1/3	1075	2.9	151.82
EM3588	1/2	1075	5	179.76
EM3590	3/4	1075	5.4	190.68
MULTIPLE HP, FOUR SPEED, 115V				
EM3463	1/2-1/6	1075	7	173.10
EM3466	3/4-1/5	1075	8.1	203.78
MULTIPLE HP, FOUR SPEED, 230V				
EM3464	1/2-1/6	1075	3.9	173.42
EM3467	3/4-1/5	1075	3.8	203.82

HARD START KITS



Vendor Code: **CPO**

Catalog Number	Description	Price Each
CSRU1	for 1 - 3 Ton Compressor	44.39
CSRU2	for 3 1/2 - 5 Ton Compressor	54.15
CSRU3	for 4 - 5 Ton Compressor	59.99

**COMPRESSOR
TERMINAL REPAIR KITS**



Vendor Code: **MSR**

Catalog Number	Wire	Price Each
3 LUGS / MALE SPADES		
QT2800	No Wire	30.29
3 LUGS / 2' LEADS		
QT2812	12 AWG	31.70
QT2810	10 AWG	32.42
3 LUGS / 4' LEADS		
QT2912	12 AWG	34.14
QT2910	10 AWG	35.60

ADDITIVE INJECTION TOOL

Vendor Code: **MSR**

Catalog Number	Bottle Size	Price Each
QT2510	1/2 oz.	33.05
QT2520	2 oz.	57.72
QT2511	4 oz.	82.88

**ACID NEUTRALIZER
ALL OILS**

Vendor Code: **MSR**

Catalog Number	Bottle Size	Price Each
QT2511	1/2 oz.	82.88

REPLACEMENT O-RINGS

Vendor Code: **MSR**

Catalog Number	Description	Price Each
QT2512	for 1/2 oz. Injector	7.60
QT2513	for 2 & 4 oz. Injector	8.04

2 SECOND ACID TEST KIT



Vendor Code: **MSR**

Catalog Number	Bottle Size	Price Each
QT2511	1/2 oz.	82.88

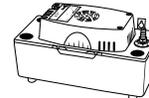
DRAIN GUN



Vendor Code: **MOR**

Catalog Number	Description	Price Each
TGG1	Charles Gallo Brand Drain Gun	94.23
TGG1A	Drain Gun Adapter Kit	17.99
TGGC12	Package of 12 CO ² Cartridges	49.45
TGGC6	Package of 6 CO ² Cartridges	26.55

CONDENSATE PUMPS



Vendor Code: **MOR**

Catalog Number	Description	Price Each
CP22T	120V, 22" Lift, with 20' of 3/8" CVT	106.10
CP2230T	230V, 22" Lift, with 20' of 3/8" CVT	139.52
CP22LP	120V, 22" Lift, Low Profile Unit	128.47

Please Note
HVAC products are available only at select Elliott Electric Supply locations. Please contact your local rep for details.

Refrigerant and products which contain refrigerant will only be sold to individuals in possession of a valid HVAC license, or if a valid license is on file for customer's account.



Soldering · Regulators · Replacement Gauges · Leak Repair · Contactors

SOLDERING



SB61

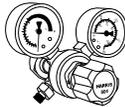


1400351

Vendor Code: **HRR**

Catalog Number	Description	Price Each
SCPFF4	Soft Solder Flux 4 oz. Bottle	4.44
SB61	Stay Brite 1/8" x 1# Spool	68.94
1601112	Heat-Tip HA-81 Soft Solder	91.50
1400351	Hand Held Trigger Torch	94.15
4400083	B Tank Soldering Kit W/O	372.97

REGULATORS



Vendor Code: **HRR**

Catalog Number	Description	Price Each
3000407	Acet. Regulator 0-30 psig	110.90
3000412	Oxygen Regulator 0-80 psig	110.90
3000606	Nitrogen Regulator 25GX-5	181.53

REPLACEMENT GAUGES



Vendor Code: **HRR**

Catalog Number	Description	Price Each
4300749	Acet. Replacement Gauge Outlet	19.64
4300750	Acet. Replacement Gauge Inlet	19.64
4300751	Oxy. Replacement Gauge 0-400 psi	19.64
4300752	Oxy. Replacement Gauge 0-4000 psi	19.64

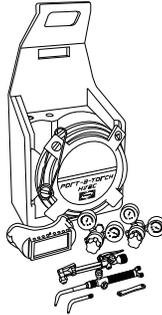
HOSES



Vendor Code: **HRR**

Catalog Number	Description	Price Each
HOSES		
4300775	3/16" x 12' Red Acetylene Only	36.31
4300155	3/16" x 12' Oxygen/Acetylene Green/Red Hose	46.81

HVAC PORT-A-TORCH®



The Harris HVAC Port-A-Torch contains all the quality equipment needed for brazing. Packaged in a rugged, molded plastic carrying case, the solid brass brazing handle and cutting attachment have industry standard connections which make them compatible with most brazing equipment. The outfit is designed to carry one MC acetylene cylinder and one 20 cu. ft. oxygen cylinder. As supplied, the outfit is capable of cutting up to a 1" plate and welding up to a 1/16" plate. The outfit can cut up to a 4" plate and weld up to a 1/2" plate with larger tips and acetylene cylinder.

Vendor Code: **HRR**

Catalog Number	Description	Price Each
4400176	Oxygen/Acetylene Welding/Cutting Torch Kit without Tanks	380.19

Accessories Include Goggles, Striker, 12-1/2" x 3/16" A to A Hose.

WELDING / CUTTING TOOLS ACCESSORIES



4300834



SSWF7

Vendor Code: **HRR**

Catalog Number	Description	Price Each
4300418	Replacement Flints for Striker	2.72
4300834	Flint Striker with Replaceable Flint	20.38
4300833	Tip Cleaner	3.55
SSWF7	Silver Solder Flux 6.5 oz. Bottle	5.07
1601775	#5 Welding Tip	27.55
8808850	MC-B Valve Adaptor	21.85
8808851	B-MC Valve Adaptor	21.85
4531	Safety-Silv 45% 1/16" x 1 Lo. pkg.	24.33
5620F1	Stay-Silv 5% 5 x 1/8" x 28" stick	42.99
4533	Safety-Silv 45% 1/16" x 3 Lo. pkg.	70.89
45F3184	Safety-Silv 45% 1/16" x 18" 4 oz. Nine Blue Sticks	77.93
15620F1	Stay-Silv 15% 50 x 1/8" x 28" stick	100.93

LEAK REPAIR



Vendor Code: **ACQ**

Catalog Number	Description	Price Each
LD8	8 oz. Leak Detector	6.21
FLT32	32 oz. Spray Leak Detector	14.34
ASEZPRO	Ace Seal Leak Stop up to 1.5 Tons	40.42
ASEZPRO+	Ace Seal Leak Stop 1.5 Tons - 5 Tons	39.42

CONTACTORS WITH LUGS



Vendor Code: **GBL**

Catalog Number	Amperage	Price Each
3 POLES, 24V		
N4113	30	23.78
N4116	40	35.03
N4128	50	77.66
3 POLES, 120V		
N4114	30	24.73
N4117	40	35.03
N4129	50	74.68
N4135	75	93.67
3 POLES, 208/240V		
N4115	30	24.73
N4118	40	35.03
N4130	50	77.66
N4133	60	83.65
N4136	75	129.59

CONTACTORS WITH LUGS & QUAD QC

Vendor Code: **GBL**

Catalog Number	Amperage	Price Each
1.5 POLES, 24V		
N4143	30	12.32
N4164	40	14.51
2 POLES, 24V		
N4104	25	15.75
N4107	30	15.85
N4161	40	18.79
2 POLES, 120V		
N4105	25	15.75
N4108	30	15.91
N4162	40	18.05
2 POLES, 208/240V		
N4106	25	15.75
N4109	30	15.91
N4163	40	17.35

Heating, Ventilating & Air Conditioning





CLEANERS



CCL1

Vendor Code: **ACQ**

Catalog Number	Description	Price Each
FEK32	Foaming Non Rinse 32 oz. Spray Evap. Micro Channel	10.16
FNA	Foaming 20 oz. Aerosol Coil Cleaner	10.17
FCA	Foaming Evap. Coil Cleaner Non Acid 19 oz. Aerosol	11.13
AEG32	Evap Guard Coil & Drain Pan Disinfectant	12.30
ECT32	Eco-Treat 32 oz. Ductwork Odor Control Spray	15.44
CCL1	EVAP-Klean Evaporator Cleaner Non Rinse	17.16
ABP1	Ace Brite Premium Non Acid Condenser Coil Cleaner	21.97
HPA	10 oz. Aerosol Contact Cleaner	23.07
DTJR	Detergent Tabs Bottle of 200	25.97
APFH0SE	Durable and Flexible 24" Charging Hose with Screw on Connections	27.83
APFANZL	II Injection Valve	28.45
APFGUN	Powerflush Injection Gun	41.64
APF16	16oz. Solvent Flush	55.59
APFA1K	Flush Solvent Pre-Pressurized 1# Can	137.87
APFANZL	Powerflush Kit 1# Pre-Pressurized Can W/Tools	40.87
APFK	Kit Injector Tool & 16 oz. Flush	156.84

MISCELLANEOUS



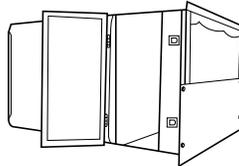
Telspoutoiler

TELSPOUTOILER - All-purpose lubricating oil that comes with a handy tel-spout oiler.

Vendor Code: **ACQ**

Catalog Number	Description	Price Each
TELSPOUTOILER	Extended Spout Oiler 4 oz.	2.22

DUAL FILTER PLENUMS



- Constructed of 26 GA ASTM-A653 CS Type B Galvanized Steel
- 1" Flange on All Four Sides for Easy Attachment
- Removable Track that Allows use of 1", 2", or 4" Filter
- Available Lined or Unlined- Must Specify the R Value of Liner
- Standard Height 30" Unless Otherwise Specified

Vendor Code: **DCT**

Catalog Number	Size	Price Each
046R61620	16" x 20" 1" & 4"	144.46
046R61625	16" x 25" 1" & 4"	130.21
046R62025	16" x 25" 1" & 4" 20" Side	137.56
046R62520	16" x 25" 1" & 4" 25" Side	137.56

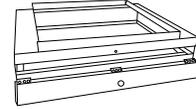
Please Note

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REX RACKS

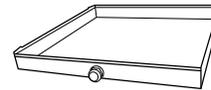


- Constructed of 26 GA ASTM-A653 CS Type B Galvanized Steel
- Removable Track that Allows use of 1", 4", or 4.5" Filter
- Starter Hole for Easy Cut Out
- 24 GA Hinged Door with Foam Gasket for Better Seal

Vendor Code: **DCT**

Catalog Number	Size	Price Each
512025	20" X 25" Door on 20" Side	72.54
512520	25" X 20" Door on 25" Side	72.54

DRAIN PANS



- Constructed of ASTM-A653 CS Type B Galvanized Steel
- One Piece Construction (No Sealer Needed)
- Folded Corners to Achieve a Water Proof Seal
- 3/4" PVC Drain Fitting
- 2 1/2" Deep Tapered Pan, Easily Stackable

Vendor Code: **DCT**

Catalog Number	Size	Price Each
0601444	14" X 44" Drain on 14"	31.30
060L3048	30" X 48" Drain on 48"	51.51
060L3236	32" X 36" Drain on 36"	46.29
060L3060	30" X 60" Drain on 60"	58.14

90° ADJ SHEET METAL ELBOW



Vendor Code: **DCT**

Catalog Number	Size	Price Each
1254	4"	4.50
1255	5"	4.50
1256	6"	4.43
1257	7"	5.82
1258	8"	6.70
1259	9"	10.25
12510	10"	10.60
12512	12"	15.43



DAMPERS WITH TIPS



Vendor Code: **DCT**

Catalog Number	Size	Price Each
3004	4"	6.04
3005	5"	6.04
3006	6"	6.39
3007	7"	7.64
3008	8"	8.36
3009	9"	9.39
30010	10"	10.10
30012	12"	11.71

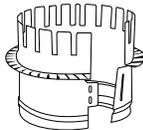
UNCRIMPED REDUCERS



Vendor Code: **DCT**

Catalog Number	Size	Price Each
40045	5" X 4"	8.48
40046	6" X 4"	8.48
40056	6" X 5"	8.48
40067	7" X 6"	8.74
40068	8" X 6"	9.33
40078	8" X 7"	9.22
40079	9" X 7"	10.09
40089	9" X 8"	10.09
400810	10" X 8"	10.82
400910	10" X 9"	10.82

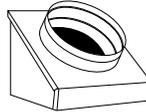
FINGER SAVER START COLLAR



Vendor Code: **DCT**

Catalog Number	Size	Price Each
5254	4"	1.47
5255	5"	1.62
5256	6"	1.80
5257	7"	1.97
5258	8"	2.33
5259	9"	2.33
52510	10"	2.66
52512	12"	3.77
52514	14"	5.16
52516	16"	5.16
52518	18"	6.97
52520	20"	8.02

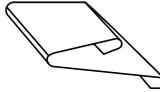
BOOT R6 INSULATED SLANT TOP RAIL READY



Vendor Code: **DCT**

Catalog Number	Size	Price Each
645R6485	8" X 4" X 5"	25.33
645R66106	10" X 6" X 6"	28.81
645R66127	12" X 6" X 7"	30.45
645R66128	12" X 6" X 8"	30.45
645R66148	14" X 6" X 8"	33.08
645R68107	10" X 8" X 7"	34.17
645R68108	10" X 8" X 8"	34.17
645R68128	12" X 8" X 8"	37.67
645R68149	14" X 8" X 9"	45.77
645R6121210	12" X 12" X 10"	48.06

RAIL / LINE SET COVER



Vendor Code: **DCT**

Catalog Number	Size	Price Each
03826	Snap On Rails	0.81
093PWC54510	5" X 4" X 5" X 10' Line Set Cover	71.03

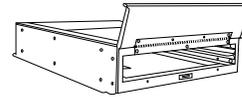
WYES



Vendor Code: **DCT**

Catalog Number	Size	Price Each
800655	6" X 5" X 5"	15.68
800755	7" X 5" X 5"	16.24
800866	8" X 6" X 6"	17.84
800876	8" X 7" X 6"	17.07
800975	9" X 7" X 5"	18.39
800977	9" X 7" X 7"	18.39
800986	9" X 8" X 6"	18.39
8001088	10" X 8" X 8"	20.72
8001096	10" X 9" X 6"	20.72
8001097	10" X 9" X 7"	20.72

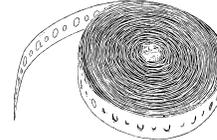
FILTER BASES



Vendor Code: **DCT**

Catalog Number	Size	Price Each
GAS FURNACES		
054G14254	14" X 25" 1" & 2" Filter 4" Tall	87.73
054G16254	16" X 25" 1" & 2" Filter 4" Tall	88.46
054G24244	24" X 24" 1" & 2" Filter 4" Tall	94.78
054G20254	20" X 25" 1" & 2" Filter 4" Tall	93.42
ELECTRIC FURNACES		
055E16204	16" X 20" 1", 2" & 4"	88.45
055E20204	20" X 20" 1", 2" & 4"	93.42
055E20254	20" X 25" 1", 2" & 4"	93.41
055E20254N	20" X 25" 1", 2" & 4" Door on 25" Side	94.79

STRAPS



Vendor Code: **DCT (Cody Company)**

Catalog Number	Size	Price Each
HANGER STRAPS		
9902614	1.5" X 100' 26 Ga. Solid	42.45
9902	2" X 100' 26 Ga. Solid	236.56

Vendor Code: **DVW (Diversitech)**

Catalog Number	Size	Price Each
HANGER STRAPS		
710A1650	3/4" X 100' 28 Ga. Perforated	13.03
710001	1" X 100' 26 Ga. Solid	34.22
710005	1" X 100' 22 Ga. Solid	48.59
WOVEN STRAPS		
710100	1-3/4" X 100 Yards	9.57
710102	3" X 100 Yards	31.05

Heating, Ventilating & Air Conditioning





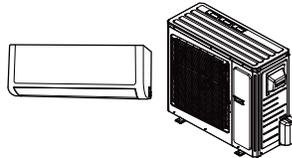
SMARTFLEX™ MINI-SPLIT SYSTEMS

Grow your business and solve more customer challenges with SmartFlex Mini-Split Systems. SmartFlex ductless systems deliver just the right amount of heating and cooling to every space while using no more energy than necessary. SmartFlex Mini-Split Systems are the ideal choice for applications that challenge traditional HVAC systems such as projects with varied loads and occupancy rates or cases where existing systems can't be modified to reasonably meet customer needs. A wide portfolio of equipment means SmartFlex Mini-Split Systems can be customized to meet the exact needs of your customers. With all of these advantages, isn't it time you brought the benefits of SmartFlex Mini-Split Systems home to your customers?

Benefits include:

- **Energy efficiency that traditional HVAC systems can't match**
 - High-efficiency, inverter-driven compressor modulates capacity to meet temperature requirements exactly
 - Energy-saving mode automatically selects optimal fan speed to reduce energy consumption
- **Exceptional comfort**
 - Unique temperature-sensing capability monitors room temperature at remote controller instead of indoor unit and adjusts airflow and temperature accordingly
 - Indoor fan automatically adjusts speed for maximum comfort
 - Pre-heating system ensures indoor fan doesn't run until coil has warmed to prevent cool air from circulating when in heating mode
- **Remarkably quiet operation**
 - sound pressure levels as low as 23 dB(A)

**SMARTFLEX™ P SERIES
HEAT PUMPS**



The slim and stylish 18 SEER Inverter Heat Pump system is built to last and offers intelligent controls.

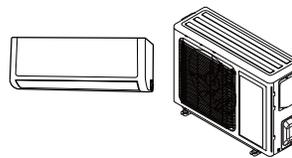
- High-efficiency inverter technology
- Low ambient cooling to 0° F
- Auto swing (vertical)
- Multiple fan speeds
- Room temperature displayed on Wall-Mount Unit

Vendor Code: JCH

Catalog Number	BTU	SEER	Sizes	Price Each
115V HP INDOOR				
DHP09NWB11S	9K	16	1/4" & 3/8"	407.40
DHP12NWB11S	12K	16	1/4" & 3/8"	475.30
115V HP OUTDOOR				
DHP09CSB11S	9K	16	1/4" & 3/8"	762.30
DHP12CSB11S	12K	16	1/4" & 3/8"	843.50
208/230V HP INDOOR				
DHP09NWB21S	9K	16	1/4" & 3/8"	404.60
DHP12NWB21S	12K	16	1/4" & 3/8"	472.50
DHP18NWB21S	18K	16	1/4" & 1/2"	639.80
DHP24NWB21S	24K	16	1/4" & 5/8"	781.90
DHP30NWB21S	30K	18	1/4" & 5/8"	989.10
DHP36NWB21S	36K	18	1/4" & 5/8"	1192.80
208/230V HP OUTDOOR				
DHP09CSB21S	9K	16	1/4" & 3/8"	745.50
DHP12CSB21S	12K	16	1/4" & 3/8"	839.30
DHP18CSB21S	18K	16	1/4" & 1/2"	1266.30
DHP24CSB21S	24K	16	1/4" & 5/8"	1447.60
DHP30CSB21S	30K	18	1/4" & 5/8"	1715.70
DHP36CSB21S	36K	18	1/4" & 5/8"	1998.50



**SMARTFLEX™ P SERIES
COOLING ONLY**



Vendor Code: JCH

Catalog Number	BTU	Size	SEER	Price Each
115V HP INDOOR				
DCP12NWB11S	12K	1/4" X 3/8"	16	401.80
115V HP OUTDOOR				
DCP12CSB11S	12K	1/4" X 3/8"	16	730.10

PREASSEMBLED MINI-SPLIT LINE SETS

Vendor Code: DVV

Catalog Number	Length	Liquid x Suction	Installation Thickness	Price Each
D40620250B3B6	25'	1/4" x 3/8"	1/2"	124.43
D40620350B3B6	35'	1/4" x 3/8"	1/2"	161.71
D40620500B3B6	50'	1/4" x 3/8"	1/2"	222.65
D41020250B3B6	25'	1/4" x 5/8"	1/2"	154.99
D41020350B3B6	35'	1/4" x 5/8"	1/2"	200.66
D41020500B3B6	50'	1/4" x 5/8"	1/2"	275.77

*Required in all Mini-Split Installations.

MINI-SPLIT CABLE

Vendor Code: BUW

Catalog Number	AWG	Conductors	Length	Price per 1,000 feet
PWT14450	14	4	50'	612.67
PWT144250	14	4	250'	612.67



Motor Control

H

SECTION



Motor Control



Motor Control

Starters

NEMA H3–H4
 IEC..... H5
 Variable Speed, Adjustable Frequency Drives H6
 Soft Starters H7
 Pump Panels H8
 Contactors..... H8–H9

Pushbuttons, Limit Switches

30 mm H10
 Pushbutton Stations H11
 22.5 mm H12–H13
 Limit Switches H14

Automation

ELC Programmable Logic Controllers H15
 HMIs H15
 Sensors H16–H19

Power Supplies, Relays, Monitors

Power Supplies..... H20
 Relays H20–H23
 Monitors H21

DIN Rail

Circuit Breakers..... H24
 Terminal Blocks H24–H25
 Ground Blocks..... H25

Signaling

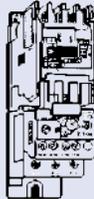
Fire Alarms H26
 Transformers..... H26
 Beacon Lights, Bells, Buzzers, Horns H26

H Motor Control



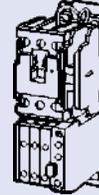
NEMA 3-Phase Freedom Starters - Heater Packs

NEMA 3-PHASE FREEDOM STARTERS



Solid State Overload

- Accelerated trip protects against phase loss
- Straight-through wiring
- Horizontal or vertical mounting
- Top located coil terminals convenient and readily accessible
- Size 1 and larger have encapsulated magnet coils



Bimetallic Overload

ENCLOSED STARTERS WITH SOLID STATE OVERLOAD RELAY NO HEATERS REQUIRED

- No heater coils required
- Broad Full Load Amps (FLA) range 0.33-1500 A
- Phase loss and selectable phase imbalance protection
- Selectable trip class with manual or auto reset
- Low energy consumption for cooler operation
- Available add on accessories like remote reset and communication modules - DeviceNet Profibus Modules

Vendor Code: **CHC**

Catalog Number	NEMA Size	Maximum HP		Trip Range	Price Each
		@230V	@460V		
120 VOLT COILS					
ECN05A1AAAR63B	00	1-1/2	2	1-5	534.89
ECN0501AAAR63C	0	3	5	4-20	514.38
ECN0511AAAR63C	1	7-1/2	10	4-20	576.70
ECN0511AAAR63D	1	7-1/2	10	9-45	673.24
ECN0521AAAR63D	2	15	25	9-45	1049.91
ECN0531AAAR63E	3	30	50	20-100	1613.01
ECN0541AAAR63F	4	50	100	20-140	4525.34
ECN0551AAAR63G	5	100	200	60-300	11616.58

Character (in **Bold and Black**) of Catalog Number Designates Coil Voltage. **A** = 120V, **B** = 240V and **C** = 480V.

OPEN STARTERS WITH SOLID STATE OVERLOAD RELAY

Vendor Code: **CHC**

Catalog Number	NEMA Size	HP Rating		Trip Range	Price Each
		@230V	@460V		
120 VOLT COILS					
AN19AN0A5E005	00	1-1/2	2	1-5	388.51
AN19BN0A5E020	0	3	5	4-20	467.91
AN19DN0A5E020	1	7-1/2	10	4-20	542.69
AN19DN0A5E045	1	7-1/2	10	9-45	542.72
AN19GN0A5E045	2	15	25	9-45	996.00
AN19KN0A5E100	3	30	50	20-100	1455.94
AN19NN0A5E140	4	50	100	20-140	3761.07
AN19SN0A5E300	5	100	200	60-300	8438.70

Character (in **Bold and Black**) of Catalog Number Designates Coil Voltage. **A** = 120V, **B** = 240V and **C** = 480V.



ENCLOSED STARTERS WITH BIMETALLIC OVERLOAD RELAY

Vendor Code: **CHC**

Catalog Number	NEMA Size	Maximum HP		Overload Relay Size**	Price Each
		@230V	@460V		
NON-REVERSING STARTER IN NEMA TYPE 1 ENCLOSURE, 120V COIL					
ECN05A1AAA	00	1-1/2	2	32A	413.89
ECN0501AAA	0	3	5	32A	476.17
ECN0511AAA	1	7-1/2	10	75A	557.59
ECN0521AAA	2	15	25	75A	1757.29
ECN0531AAA	3	30	50	105A	1731.82
ECN0541AAA	4	50	100	144A	3157.92
REVERSING STARTER IN NEMA TYPE 1 ENCLOSURE, 120V COIL					
ECN0601AAA	0	3	5	32A	1647.21
ECN0611AAA	1	7-1/2	10	75A	1880.13

Available to NEMA Size 8. Choose Heater Packs (Sold Separately) from Table Below. Character (in **Bold and Black**) of Catalog Number Designates Coil Voltage. **A** = 120V, **B** = 240V and **C** = 480V.

HEATER PACKS FOR OVERLOAD RELAYS INCLUDES THREE HEATERS

Vendor Code: **CHC**

For Use With NEMA Size	Overload Relay Size	Motor Full Load Ampere Rating				Includes 3 Heaters	
		Dial Positions				Catalog Number	Price Each
		A	B	C	D		
00 0 1 4	32A	0.560	0.676	0.791	0.907	H2003B3	119.47
		0.814	0.983	1.15	1.32	H2004B3	119.47
		1.20	1.45	1.71	1.96	H2005B3	119.47
		1.79	2.16	2.53	2.90	H2006B3	119.47
		2.15	2.60	3.04	3.49	H2007B3	119.47
		3.23	3.90	4.56	5.23	H2008B3	119.47
	75A	4.55	5.50	6.45	7.40	H2009B3	119.47
		6.75	8.17	9.58	11.0	H2010B3	119.47
		9.14	10.8	12.4	14.0	H2011B3	119.47
		14.0	16.9	19.9	22.8	H2012B3	119.47
		18.7	22.7	26.7	30.7	H2013B3	119.47
		23.5	28.5	33.5	38.5	H2014B3	119.47
2	75A	29.0	34.0	39.1	44.1	H2015B3	119.47
		39.6	45.5	51.5	57.4	H2016B3	119.47
		53.9	60.9	67.9	74.9	H2017B3	119.47
3 4	105A 144A	18.0	20.2	22.3	24.5	H20183	119.49
		24.6	27.6	30.5	33.4	H20193	119.49
		33.5	37.5	41.5	45.6	H20203	119.47
		45.7	51.2	56.7	62.1	H20213	119.47
		62.2	69.7	77.1	84.6	H20223	119.47
		84.7	95.0	105.0	115.0	H20233	119.47
		106.0	118.0	131.0	144.0	H20243	119.47

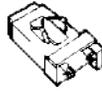
Motor Control





NEMA Contactor Accessories (Magnetic Coils · Overload Relays · Contact Kits)

"FREEDOM" SERIES
MAGNETIC COILS



Vendor Code: **CHC**

Catalog Number	NEMA Size	Voltage @60Hz	Price Each
928751	00	120	346.00
928752	00	240	346.00
928753	00	480	346.00
928761	0	120	346.00
928762	0	240	346.00
928763	0	480	346.00
932856	1-2	24	358.24
932851	1-2	120	396.59
932852	1-2	240	405.12
927033	1-2	480	386.42
927566	3	24	661.36
927561	3	120	661.36
927562	3	240	661.36
927563	3	480	661.36
9189115	4-5	24	759.33
918911	4-5	120	672.39
918913	4-5	480	672.39

OVERLOAD RELAYS

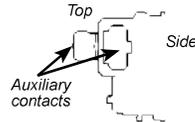


Vendor Code: **CHC**

Catalog Number	For NEMA Size Contactors	Overload Relay Size	Max. Amps	Price Each
WITHOUT HEATER PACKS*				
C306DN3B	00-0, 5 and Above**	32A	32	278.60
C306GN3B	1-2	75A	75	476.21
C306KN3	3	105A	105	672.40
C306NN3	4	144A	144	925.46

*Choose Heater Packs for Overload Relay (Sold Separately) from Table on Page H3 to Complete.
**NEMA Contactors Size 5 and Above Use a 32A Overload Relay, in Conjunction with a Current Transformer.

AUXILIARY CONTACTS



Vendor Code: **CHC**

Catalog Number	For NEMA Size Contactors	Mounting Position	Contacts	Price Each
C320KGS1	00-2	Side	1 NO	71.62
C320KGS2	00-2	Side	1 NC	71.62
C320KGS3	00-2	Side	1 NO, 1 NC	81.48
C320KGS4	00-2	Side	2 NO	81.48
C320KGT1	00-2	Top	1 NO	88.40
C320KGT2	00-2	Top	1 NC	81.48
C320KGT3	00-2	Top	1 NO, 1 NC	81.48
C320KGT4	00-2	Top	2 NO	81.48
C320KGS20	3-5	Side	1 NO	119.66
C320KGS21	3-5	Side	1 NC	119.66
C320KGS22	3-5	Side	1 NO, 1 NC	163.00

"FREEDOM" SERIES
CONTACT KITS



Vendor Code: **CHC**

Catalog Number	NEMA Size	Price Each
THREE POLE		
6652	1	511.42
6658	2	890.61
6436	3	1442.52
6442	4	3093.45
6452	5	5224.78

COVER CONTROL KITS



Vendor Code: **CHC**

Catalog Number	NEMA Size	Description	Price Each
C400GK1	00-4	Start / Stop Pushbuttons	181.24
C400GK3	00-4	H-O-A Selector Switch	181.24

MECHANICAL INTERLOCK KIT

Vendor Code: **CHC**

Catalog Number	NEMA Size	Description	Price Each
C321KM60B	00-2	Mechanical Interlock Kit	35.95

REVERSING DRUM SWITCH
1 OR 3 PHASE



Vendor Code: **CHC**

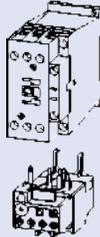
Catalog Number	Maximum HP				Price Each
	Single Phase		Three Phase		
	@115V	@230V	@230V	@460V	
FIELD CONVERTIBLE, MAINTAINED OR MOMENTARY					
9441H268	1-1/2	2	2	2	297.13



Motor Control
H



IEC 3-Phase XT Series Contactors and Starters · Electronic Overloads



IEC 3-PHASE XT SERIES CONTACTORS & STARTERS

Eaton's new line of XT Contactors and Starters include non-reversing and reversing contactors, overload relays and a variety of related accessories. Because XT meets IEC, UL, CSA, CCE and CE standards, it is the perfect product solution for IEC applications all over the world. The compact, space saving, and easy to install XT line of IEC contactors and starters is the efficient and effective solution for your application from 7A to 2000A.

- AC control from 12V to 600V 50/60Hz
- DC control from 12V to 220V
- Available with screw or spring cage terminals
- Reversing or non-reversing contactors and starters
- AC-3 contactor ratings to 1000A
- Non-Reversing starters to 650A
- Panel or DIN rail mounting to 65A
- IP20 finger and back-of-hand proof
- Built-in NO or NC auxiliary contacts to 32A
- Available with XTOB bimetallic or XTOE solid-state overload relay
- Phase failure or phase unbalance protection

THREE PHASE CONTACTORS OPEN TYPE NON-REVERSING

Vendor Code: **CHC**

Catalog Number	Frame Size	Amps AC-3	Max. HP (UL/CSA)		Auxiliary Contacts	Price Each
			@230V	@460V		
XTCE009B10A	B	9	3	5	1NO	84.75
XTCE012B10A	B	12	3	10	1NO	101.95
XTCE015B10A	B	15	5	10	1NO	113.18
XTCE025C10A	C	25	10	15	1N	141.04
XTCE032C10A	C	32	10	20	1NO	176.30
XTCE065D1A	D	65	25	50	1NO SIDE	281.62
XTCE072D1A	D	72	25	50	1NO SIDE	526.96
XTCE080F1A	F	80	30	60	1NO SIDE	323.45
XTCE095F1A	F	95	40	75	1NO SIDE	410.45
XTCE115GS1A	G	115	50	100	1NO SIDE	501.91
XTCE150GS1A	G	150	50	100	1NO SIDE	777.61
XTCE170GS1A	G	170	60	125	1NO SIDE	1549.74
XTCE185H22A	H	185	60	125	2NO 2NC TOP	1077.16
XTCE225H22A	H	225	75	150	2NO 2NC TOP	1206.28
XTCE250L22A	L	250	100	200	2NO 2NC TOP	3431.30
XTCE300L22A	L	300	125	250	2NO 2NC TOP	3708.65

AC-3: Squirrel-Cage Motors; Starting or Switching of Motors While Running.
Catalog Numbers Listed Above have 120V Coil Voltage (A).
Replace A with B for 240V, C for 480V, or T for 24V.

ELECTRONIC OVERLOADS

Vendor Code: **CHC**

Catalog Number	Frame Size	Adjustable FLA Range	Price Each
XTOE005BCS	B	1 - 5A	93.31
XTOE020BCS	B	4 - 20A	93.31
XTOE020CCS	C	4 - 20A	91.99
XTOE045CCS	C	9 - 45A	104.52
XTOE045DCS	D	9 - 45A	133.89
XTOE100DCS	D	20 - 100A	170.03
XTOE175GCS	G-H	35 - 175A	722.48

Mount Directly to Contactor
All Overloads Have 1NO and 1NC Contact

REPLACEMENT COILS

Vendor Code: **CHC**

Catalog Number	Frame	Voltage	Price Each
XTCERENCOILCA	C	120V	236.85
XTCERENCOILDA	D	120V	302.09
XTCERENCOILFA	F	120V	386.18
XTCERENCOILGA	G	120V	631.62
XTCERENCOILHA	H	120V	505.48
XTCERENCOILLA	L	120V	1841.61

Character (in Black) of Catalog Number Designates Voltage.
Catalog Numbers Listed Above have 120V Coil Voltage (A).
Replace A with B for 240V, or C for 480V.

BI-METAL OVERLOADS

Vendor Code: **CHC**

Catalog Number	Frame Size	Adjustable Range	Price Each
XTOB004BC1	B	2.4 - 4	61.52
XTOB006BC1	B	4 - 6	61.52
XTOB010BC1	B	6 - 10	61.52
XTOB012BC1	B	9 - 12	61.52
XTOB016BC1	B	12 - 16	66.50
XTOB016CC1	C	10 - 16	123.76
XTOB024CC1	C	16 - 24	65.50
XTOB032CC1	C	24 - 32	73.70
XTOB040DC1	D	24 - 40	101.63
XTOB057DC1	D	40 - 57	106.46
XTOB065DC1	D	50 - 65	106.46
XTOB050GC1	F, G	35 - 50	428.91
XTOB070GC1	F, G	50 - 70	162.17
XTOB100GC1	F, G	70 - 100	157.33
XTOB125GC1	F, G	95 - 125	636.07
XTOB150GC1	F, G	120 - 150	214.06
XTOB175GC1	F, G	145 - 175	248.02
XTOB160HC1	H	120 - 160	754.23
XTOB220HC1	H	160 - 220	754.23
XTOB250HC1	H	200 - 250	754.23
XTOB160LC1	L	120 - 160	866.55
XTOB220LC1	L	160 - 220	929.29
XTOB250LC1	L	200 - 250	519.06
XTOB300LC1	L	200 - 300	989.10

All Are Direct Mount Except for Frames H and L
All Overloads Have 1NO and 1NC Contact

AUXILIARY CONTACTS

Vendor Code: **CHC**

Catalog Number	Frame Size	Contacts	Mounting	Price Each
XTCEXSAB10	B	1NO	Side Mount	15.08
XTCEXSAB01	B	1NC	Side Mount	41.71
XTCEXSAB11	B	1NO 1NC	Side Mount	76.15
XTCEXSBN11	D-H	1NO 1NC	Side Mount	44.08
XTCEXSBR11	L-R	1NO 1NC	Side Mount	83.74
XTCEXFATC20	B-C	2NO	Top Mount	49.32
XTCEXFATC11	B-C	1NO 1NC	Top Mount	49.32
XTCEXFATC02	B-C	2NC	Top Mount	49.32

Other Configurations Available



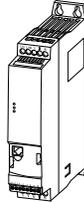
Motor Control

H



Variable Speed Starters · Adjustable Frequency Drives

VARIABLE SPEED STARTERS
POWERXL SERIES
- DE1, 1/2 - 10HP



Eaton's DE1 variable speed starter (VSS) is a device that offers the user friendly and ease of use of a start and the adjustable frequency of a drive. The DE1 is the market's first VSS designed for basic motor controlling applications in a slim footprint for high density enclosures.

- Simplistic, cost effective design with no keypad
- 2 frame sizes in 45mm and 90mm widths
- Modbus on board
- SmartWire-DT™ connectivity
- Intuitive configuration module to change up to 5 parameters
 - Motor current
 - Motor frequency
 - Control terminal configuration
 - Fixed frequency
 - Ramp time
- Connectivity with drivesConnect PC Tool with PC Cable or Bluetooth module
- Overload rating: 150% constant torque for 60 seconds.

Vendor Code: **CHC**

Catalog Number	Constant Torque HP	Frame Size	Price Each
230V, SINGLE PHASE TO THREE PHASE			
DE1124D3NNN20N	1	1	278.52
DE1127D0NNN20N	2	1	340.87
DE1129D6NNN20N	3	2	397.36
460V, THREE PHASE			
DE1345D0NNN20N	3	2	478.43
DE1348D5NNN20N	5	2	514.15
DE134011NNN20N	7.5	2	742.44
DE134016NNN20N	10	2	871.00
ACCESSORIES			
DXEEXTSET	Config. Module		81.49
DXCOMSTICK3	Bluetooth Stick		292.90

ADJUSTABLE FREQUENCY DRIVES
POWERXL SERIES—DC1, 1/2- 15HP, 1/2 - 15HP 240V, 1 - 30HP 480V



Eaton's DC1 adjustable frequency drives are engineered for today's OEM and MRO applications. This series of drives offers a compact space saving design that is perfect for panel builders or as a replacement for across the line motor starters.

- 14 basic programming parameters for quick commissioning
- Brake chopper standard standard in frames 2 and higher
- SmarWire-DT™ connectivity
- Available in IP20 or IP66 configuration
- Overload rating:
 - 150% constant torque (IL) for 60 seconds
- Standard Communications:
 - RS-485/Modbus® and CANopen™
- Coated boards
- Integrated PI Controller

Vendor Code: **CHC**

Catalog Number	Constant Torque HP	Frame Size	Price Each
230V, SINGLE PHASE IN - THREE PHASE OUT			
DC1127D0NBA20CE1	2	2	531.18
DC112011NBA20CE1	3	2	554.42
DC112015NBA20CE1	5	3	921.41
230V, THREE PHASE			
DC1327D0NBA20CE1	2	2	514.08
DC132011NBA20CE1	3	2	545.98
DC132018NBA20CE1	5	3	1068.93
DC132030NBA20CE1	10	4	1448.57
DC132046NBA20CE1	15	4	1566.55
460V, THREE PHASE			
DC1344D1NBA20CE1	2	2	486.15
DC1345D8NBA20CE1	3	2	625.50
DC1349D6NBA20CE1	5	2	785.18
DC134014NBA20CE1	7.5	3	1127.99
DC134018NBA20CE1	10	3	1323.12
DC134024NBA20CE1	15	3	1409.12
DC134030NBA20CE1	20	4	1634.59
DC134039NBA20CE1	25	4	2172.98
DC134046NBA20CE1	30	4	2217.00

Models Shown are IP20 Configuration, IP66 Configurations also Available.

ADJUSTABLE FREQUENCY DRIVES
POWERXL SERIES—DG1, 3/4 - 200HP



The DG1 general purpose drives are part of Eaton's next generation of adjustable frequency drives. Robust and highly modular, these drives can be flexibly adapted to meet most customers' needs.

- Graphic LCD display and keypad
- Quick start wizard upon initial power-up supports fast, easy installation
- Standard applications: Standard, Multi-pump and fan control, Multi-PID and Multi-purpose
- Brake chopper standard
- Dual overload ratings: 110% variable torque (IL), 150% constant torque (IL)
- Standard I/O: 8DI, 1DO, 2AI, 2AO, Three Relays
- Communications:
 - EtherNet/IP, Modbus TCP
 - RS-485: Modbus RTU, BACnet MS/TCP
- Available through 1,000 HP
- Coated Boards Standard

Vendor Code: **CHC**

Catalog Number	Constant Torque HP	Variable Torque HP	Price Each
THREE PHASE, 208-240 VOLT			
DG1327D8FBC21C	2	3	1092.23
DG132011FBC21C	3	3	1183.97
DG132012FBC21C	4	5	1264.00
DG132017FBC21C	5	7.5	1465.85
DG132025FBC21C	7.5	10	1648.85
DG132031FBC21C	10	15	1898.91
DG132048FBC21C	15	20	2362.86
DG132061FNC21C	20	25	3287.72
THREE PHASE, 380-500 VOLT			
DG1344D3FBC21C	2	3	1212.62
DG1345D6FBC21C	3	5	1295.57
DG1347D6FBC21C	5	6	1577.42
DG134012FBC21C	7.5	10	1750.66
DG134016FBC21C	10	15	1876.16
DG134023FBC21C	15	20	2180.76
DG134031FBC21C	20	25	2972.83
DG134038FBC21C	25	30	3309.02
DG134046FBC21C	30	40	4048.16
DG134061FNC21C	40	50	5255.65
DG134072FNC21C	50	60	5718.09
DG134087FNC21C	60	75	6874.20
DG134105FNC21C	75	100	8430.35
DG134140FNC21C	100	125	10551.69
DG134170FNC21C	125	150	11674.75

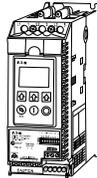
Bold "B" Denotes Models with Build in Brake Chopper

Motor Control





SOFT STARTERS S811+ SERIES — 10 - 700HP



Eaton's line of S811+ Soft Starters is compact, multi-functional, and easy to install. Designed to control acceleration and deceleration of three-phase motors up to 690V, the line is available from 11A to 1000A. S811+ series soft starters include Digital Interface Module that allows user to configure device and may be removed for remote mounting if necessary.

- Variable ramp times and torque control settings provide unlimited starting and stopping configurations for maximum flexibility
- Wide range of overload settings (31%-100% of rated current) and selectable trip class (5-30)
- Removable Digital Interface Module may be remote mounted or used to copy programming between units
- 24Vdc control voltage for operator safety
- Built in motor overload protection included. All protective features can be configured, enabled or disabled to meet any application
- Modbus RTU communications is standard but may connect to a variety of communications networks including:
 - DeviceNet
 - Modbus TCP
 - EtherNet/IP
 - PROFIBUS

Vendor Code: **CHC**

Catalog Number	Frame Size	HP Rating		Price Each
		@230V	@460V	
STANDARD DUTY - 15 SEC. RAMP, 300% CURRENT LIMIT @ 40°C, 1.0SF				
S811+N37N3S	N	10	25	4647.44
S811+N66N3S	N	20	50	4130.49
S811+R10N3S	R	30	60	6496.85
S811+R13N3S	R	40	75	8075.14
S811+T18N3S	T	60	125	8415.26
S811+T24N3S	T	75	150	8965.91
S811+T30N3S	T	100	200	14306.29
S811+V36N3S	V	125	250	11842.04
S811+V42N3S	V	150	300	13310.95
S811+V65N3S	V	200	450	16108.83
S811+V72N3S	V	250	500	24586.16

Requires 24Vdc Power Supply: **Page H20**
Sizes Available up to 700hp at 575V

IEC MANUAL MOTOR STARTERS XT SERIES

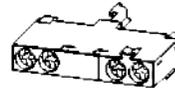


Vendor Code: **CHC**

Catalog Number	Frame Size	Adjustable FLA Range*	Maximum HP, 3-Phase		Price Each
			@230V	@460V	
XTPR2P5BC1	B	1.6 - 2.5	1/2	1	122.82
XTPR004BC1	B	2.5 - 4.0	1	2	122.82
XTPR6P3BC1	B	4.0 - 6.3	1-1/2	3	122.82
XTPR010BC1	B	6.3 - 10.0	3	7-1/2	122.82
XTPR020BC1	B	16 - 20	5	10	152.88
XTPR025BC1	B	20 - 25	7-1/2	15	152.88

*Service Factor Less Than 1.15, Multiply 0.9 by Nameplate FLA.
Products listed above have Rotary style handles. Replace Character (in **Bold and Black**) of Catalog Number with **B** for Pushbutton Manual Motor Starter.

AUXILIARY CONTACTS FOR XT SERIES MANUAL MOTOR STARTERS



Vendor Code: **CHC**

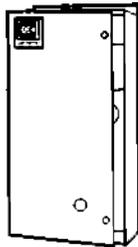
Catalog Number	Mounting Position	Auxiliary Contacts	Price Each
XTPAXFA11	Front Mount	1 NO, 1 NC	19.75

Motor Control





FUSIBLE NEMA TYPE 3R ENCLOSURE PUMP PANELS



- Solid State Overload
- Reduces cost - No heater coils required
- Broad Full Load Amps (FLA) range 0.33-1500 A
- Phase loss and selectable phase imbalance protection
- Selectable trip class with manual or auto reset
- Low energy consumption for cooler operation
- Available add on accessories like remote reset and communication modules - DeviceNet Profibus Modules

Vendor Code: **CHC**

Catalog Number	NEMA Size	Maximum HP		Adj. Solid State Overload Relay (Amps)	Price Each
		@230V	@460V		
HOA, NO PB, NARROW, WITHOUT FUSE CLIPS					
ECN5412AACP6R63C	1	7-1/2	10	4.0 – 20	2982.09
ECN5422AAEP6R63D	2	15	25	9.0 – 45	4094.33
ECN5432AAGP6R63E	3	30	50	20.0 – 100	5900.16
ECN5442AAJP6R63F	4	50	100	60 – 300	10814.87
ECN5452AALP6R63G	5	100	200	60 – 300	22871.22
HOA, PB, STANDARD WIDTH, WITHOUT FUSE CLIPS					
ECN5412CACR63C	1	7-1/2	10	4.0 – 20	502.96
ECN5422CAER63D	2	15	25	9.0 – 45	684.02
ECN5432CAGR63E	3	30	50	22.0 – 100	939.98
ECN5442CAJR63F	4	50	100	60 – 300	1881.25
ECN5452CALR63G	5	100	200	60 – 300	3380.90
HOA, NO PB, VACUUM CONTACTORS, WITHOUT FUSE CLIPS					
ECV5442AAJP6R63F	4	50	100	30.0 – 150.0	16994.46
ECV5452AALP6R63G	5	100	200	1.0 – 5.0	6286.00

Character (in **Bold and Black**) of Catalog Number Designates Coil Voltage. **A = 120V, B = 240V and C = 480V.**
 Choose Fuse Clips (Sold Separately) from Table to the Right.

VACUUM CONTACTORS

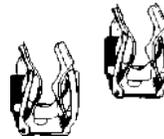


- Contacts located inside sealed ceramic tubes for intrinsically safe protection.
- Arc is extinguished when passing through zero for excellent contact life.

Vendor Code: **CHC**

Catalog Number	NEMA Size	Volts	Amps	Price Each
VACUUM CONTACTORS				
V201K4CJ	4	120	135	8728.71
V201K5CJZ1	5	120	270	17480.14
SIZE 4-8 SOLID STATE OVERLOAD RELAY				
C440A1A005SAX	4 – 8	Requires Transformer Kit (Below)		184.14
ZEBXCT300	4 – 8 Current Transformer Kit			1164.93

FUSE CLIPS



Vendor Code: **CHC**

For Use with NEMA Starter Size	Motor Volts	Fuse Size Amps / Volts	Catalog Number	Price Each
1	200 / 230	30 / 250	C351KC21R	38.05
	460 / 575	30 / 600	C351KD2261R	60.95
2	200 / 230	60 / 250	C351KD2261R	60.95
	460 / 575	60 / 600	C351KD62R	53.24
3	200 / 230	100 / 250	C351KE2363	144.48
	460 / 575	100 / 600	C351KE2363	144.48
4	200 / 230	200 / 250	C351KF2464	220.29
	460 / 575	200 / 600	C351KF2464	220.29

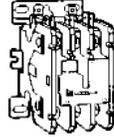
Motor Control

H





**DEFINITE PURPOSE CONTACTORS
C25 SERIES**



Vendor Code: **CHC**

Catalog Number	Inductive Amps	Resistive Amps	Price Each
TWO-POLE, 120V COIL			
C25BNB230A**	30**	40	30.98
C25DND230A	30	40	67.12
C25DNF240A	40	50	86.53
C25FNF260A	60	75	209.61
THREE-POLE, 120V COIL			
C25DND330A	30	40	77.45
C25DNF340A	40	50	100.35
C25FNF350A	50	65	165.21
C25FNF360A	60	75	201.26
FOUR-POLE, 120V COIL			
C25END430A	30	40	106.35
C25ENF440A	40	50	133.37

Character (in **Bold and Black**) of Catalog Number Designates Coil Voltage.
A = 120V, **T** = 24V,
B = 240V, **C** = 480V, and **H** = 277V.
 **Coil Cannot be Changed.

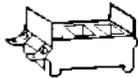
**ACCESSORIES FOR C25 SERIES
AUXILIARY CONTACTS AND INTERLOCKS**

Vendor Code: **CHC**

Catalog Number	Description	Price Each
AUXILIARY CONTACTS*		
C320KG1	1 NO Auxiliary Contact	23.82
C320KG2	1 NC Auxiliary Contact	23.82
C320KG3	1 NO, 1 NC Auxiliary Contact	34.67
MECHANICAL INTERLOCK KIT		
C321KM60B	For Reversing Applications	35.95

*Auxiliary Contacts Not Designed to Fit C25BNB Contactors.

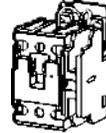
REPLACEMENT COILS



Vendor Code: **CHC**

Catalog Number	Voltage	Price Each
FOR 30 – 40 AMP CONTACTORS		
931256	24	177.47
931251	120	177.47
931252	240	177.47
931253	480	177.47
FOR 40 – 60 AMP CONTACTORS		
932561	120	200.54
932562	208 – 240	200.54

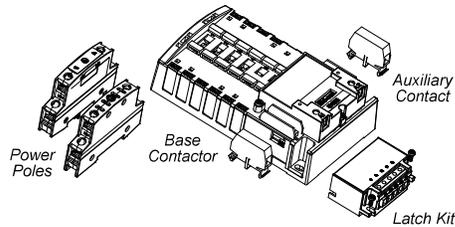
**LIGHTING CONTACTORS
ELECTRICALLY HELD CN35 SERIES**



Vendor Code: **CHC**

Catalog Number	Amps	Poles	Price Each
120V AC COIL, OPEN			
CN35BN2AB	20	2	697.43
CN35BN3AB	20	3	780.33
CN35DN2AB	30	2	829.55
CN35DN3AB	30	3	934.10

MECHANICALLY HELD



Vendor Code: **CHC**

Catalog Number	Description	Price Each
BASE CONTACTORS*		
C30CNE20A0	2 NO, 120V AC Base	504.98
LATCH KITS**		
C320MH3WA0	Three Wire Latch Kit	293.27
POWER POLES		
C320PRP1	Single Pole, 30A	263.30
C320PRP2	Two Pole, 30A	254.61
AUXILIARY CONTACTS		
C320AMH1	Single Pole Auxiliary Contact	54.53
C320AMH2	Two Pole Auxiliary Contact	143.88

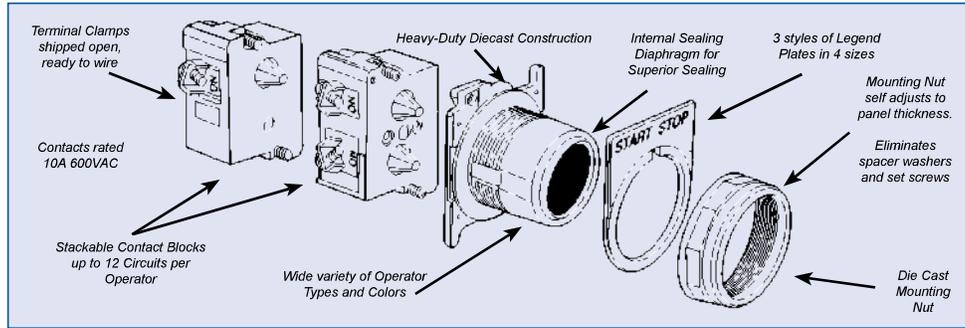
*Base Contactor is Electrically Operated.
 **Latch Kit is Required to be Mechanically Held up to 12 Poles Maximum.

Motor Control





30mm Full Size Operators NEMA Rated Types 1, 2, 3, 3R, 4, 4X, 12 and 13



PUSHBUTTON AND INDICATOR LIGHT ASSEMBLIES

Vendor Code: **CHC**

Catalog Number	Description	Price Each
NON-ILLUMINATED PUSHBUTTON ASSEMBLIES		
10250T31RP0P	Extended Red Pushbutton	121.91
10250T30BP0P	Flush Black Pushbutton	128.32
10250T5B621P0P	Red Push-Pull	180.68
10250T32RP0P	Red Mushroom Pushbutton	198.41
10250T33P0P	Red Jumbo Mushroom Pushbutton	197.68
SELECTOR SWITCH ASSEMBLED		
10250T20KBP0P	2-Position Maintained Black Selector Switch	146.12
10250T21KBP0P	3-Position Maintained Black HOA Selector Switch	143.32
INDICATING LIGHTS ASSEMBLIES		
10250T206NC1NP0P	24 Volt Red, Green & Amber Lenses	275.70
10250T34RP0P	120 Volt Red, Green & Amber Lenses	244.39
ILLUMINATED PUSHBUTTON ASSEMBLIES		
10250T476C211P0P	24V Red Pushbutton, Green & Amber Lenses	351.96
10250T411C211P0P	120V Red Pushbutton, Green & Yellow Lenses	393.01

Contact Blocks and Legend Plates Included Where Required

OIL-TIGHT PUSHBUTTON OPERATORS

Vendor Code: **CHC**

Catalog Number	Button Color	Price Each
FLUSH BUTTON		
10250T101	Black	62.85
10250T102	Red	62.85
10250T103	Green	62.85
EXTENDED BUTTON		
10250T111	Black	62.85
10250T112	Red	62.85
MUSHROOM HEAD		
10250T121	Black	119.57
10250T122	Red	114.00
10250T123	Green	119.57
JUMBO MUSHROOM HEAD		
10250T172	Red	143.32

OIL-TIGHT STANDARD INDICATING LIGHTS

Vendor Code: **CHC**

Catalog Number	Volts	Price Each
TRANSFORMER TYPE		
10250T181L	120	222.19
10250T181N	120	222.92
10250T182N	240	230.88
10250T184N	480	230.88

OIL-TIGHT SELECTOR SWITCHES

Vendor Code: **CHC**

Catalog Number	Cam Code	Price Each
2-POSITION MAINTAINED		
10250T1311	1	82.95
3-POSITION MAINTAINED		
10250T1322	2	86.36
10250T1323	3	82.95

See Selector Switch Cam and Contact Block Selection on Right.

CONTACT BLOCKS

Vendor Code: **CHC**

Catalog Number	Circuits	Price Each
PRESSURE TERMINALS		
10250T51C	1 NC	35.12
10250T53C	1NO	34.05
10250T11C	1 NO - 1 NC	54.45
10250T2C	2 NO	50.10
10250T3C	2 NC	69.37

LENS

Vendor Code: **CHC**

Catalog Number	Color	Price Each
STANDARD PLASTIC LENS		
10250TC1N	Red	14.35
10250TC2N	Green	14.35



SELECTOR SWITCH CAM CODE AND CONTACT BLOCK SELECTION

Circuit of Contact Block 10250	CAM Code #1	CAM Code #2	CAM Code #3
Knob Position	↖ ↗	↖ ↗	↖ ↗
NORMAL - T1			
NC A	0	X	0
NO B	0	X	0
INVERTED - T1			
NO A	X	0	X
NC B	X	0	X
T2 (TYPICAL HAND-OFF-AUTO CIRCUIT)			
NO A	X	0	X
NO B	0	X	0
T3			
NC A	0	X	0
NC B	X	0	X

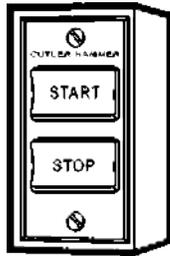
O = Open Contacts, X = Closed Contacts, Shown With Two Circuit Contact Blocks.

Circuit A = Top Contact; *Circuit B* = Bottom Contact

Motor Control



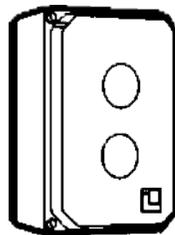
NEMA STANDARD DUTY PUSHBUTTON STATIONS



Vendor Code: **CHC**

Catalog Number	Standard Legend	Price Each
TWO PUSHBUTTONS - NEMA 1		
10250H5200	Start - Stop	237.63
TWO PUSHBUTTONS - NEMA 3R		
10250H671	Star - Stop	862.99
THREE PUSHBUTTONS - NEMA 1		
10250H5300	Forward - Reverse - Stop	514.06

OIL-TIGHT ENCLOSURES FOR FULL SIZE OPERATORS NEMA TYPE 4, 4X, 12 & 13



Vendor Code: **CHC**

Catalog Number	Number of Elements	Price Each
TWO - CONTACT BLOCK DEPTH		
10250TN11	1	197.53
10250TN12	2	206.99
10250TN13	3	244.33



STANDARD LEGEND PLATES FOR PUSHBUTTON AND INDICATING LIGHTS



- The legend plates listed below are sized for all standard commercial enclosures and Eaton's cast enclosures.
- Letters on legend plates below are 3/16" high.

Vendor Code: **CHC**

Catalog Number	Label	Price Each
10250TM12	Down	11.47
10250TM13*	Emergency Stop	8.58
10250TM15	Forward	11.47
10250TM24*	Off	11.47
10250TM25	On	11.47
10250TM29	Reset	8.58
10250TM30	Reverse	11.47
10250TM33	Start	8.29
10250TM34*	Stop	8.29

*Red Field, All Others Have Black Field

LEGEND PLATES FOR SELECTOR SWITCH



- Lettering on 2-position legend plates are 5/32" high.
- Lettering on 3-position legend plates are 1/8" high.

Vendor Code: **CHC**

Catalog Number	Label	Positions	Price Each
10250TM36	Blank	n/a	8.29
10250TM37*	Blank	n/a	11.47
10250TM42	Off/On	2	8.29
10250TM47	Start/Stop	2	11.47
10250TM49	Auto/Off/Hand	3	11.47
10250TM51	Hand/Off/Automatic	3	8.29
10250TM54	Up/Off/Down	3	11.47
10250TM67	Manual/Automatic	2	11.47
10250TM68	Manual/Off/Automatic	3	11.47

*Red Field, All Others Have Black Field

Motor Control

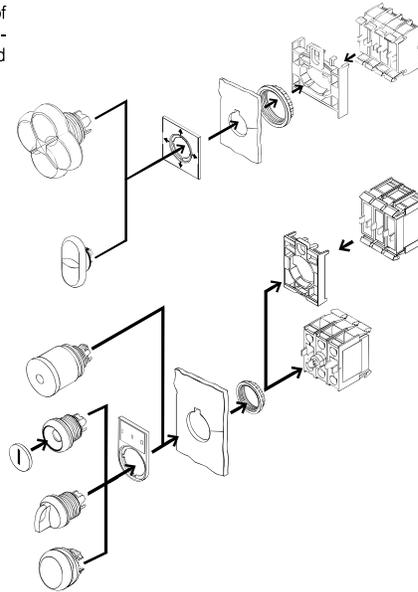




22.5 MM Industrial Pushbuttons

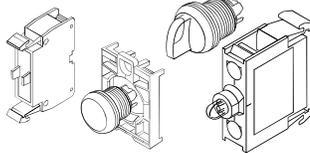
Eaton's M22 industrial heavy duty pushbutton line offers a wide array of functional, attractive and ergonomically designed illuminated and non-illuminated pushbuttons, selector-switches, push-pulls, alternate action and twist-to release operators.

- Modular construction makes assembly fast and simplifies stocking of components and complete devices
- Field convertibility of operator status for pushbuttons and selector switches helps customers reduce inventory and increase functionality
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- Plastic construction is corrosion resistant. Operators are designed for rugged environments, ideal for washdown applications. Rated NEMA 4X/13 on front of panel operators.
- Anti-rotation tab saves installation time and prevents operator rotation
- High mechanical and electrical life allows for use in tough and challenging applications
- Laser inscription capabilities allow for high quality, wear-resistant markings
- All normally closed (NC) contacts are Direct Opening Action, i.e., NC contacts are physically forced open by direct linkage with the pushbutton operator in the unlikely event of contact weld
- Most pushbutton operators and contact blocks exceed 5 million mechanical operations
- Contact blocks rated for 10A 600V
- Can fit in 1/2" knockout



H Motor Control

PUSHBUTTON & INDICATING LIGHT ASSEMBLIES



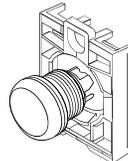
- Includes necessary operator, contactor blocks and mount

Vendor Code: **CHC**

Catalog Number	Description	Contact Blocks	Price Each
NON-ILLUMINATED PUSHBUTTON, MOMENTARY*			
M22DSK11P	Black Flush	1NO-1NC	35.79
M22DHRK11P	Red Extended	1NO-1NC	37.13
ILL. LED PUSHBUTTON 85-246V, MOMENTARY*			
M22DLHRK11230RP	Red Extended	1NO-1NC	74.26
M22PVLK12230RP	Red Push-Pull E-Stop	1NO-2NC	76.68
LED INDICATING LIGHTS 85-264V			
M22LR230RP	Red	-	13.18
M22LG230GP	Green	-	44.76
SELECTOR SWITCHES, MAINTAINED**			
M22WKVK11P	2-Pos. Maint.	1NO-1NC	47.98
M22WK3K22P	3-Pos. Maint.	2NO-2NC	62.87

*Field-Convertible (Maintained to Momentary) Pushbuttons are Available.
 **Selector Switches are Field Convertible from Momentary to Maintained by Adjusting Coding Adapter(s) Listed on Page H13.

NON-ILLUMINATED PUSHBUTTON OPERATORS MAINTAINED/MOMENTARY

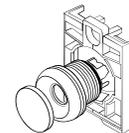


Vendor Code: **CHC**

Catalog Number	Description	Price Each
BLANK OPERATORS WITH BUTTON COVERS*		
M22DRXSRG**	Flush with Black/Red/Green	15.01
M22DRHXRSG**	Extended with Black/Red/Green	18.33
BUTTON COVERS***		
M22XDSWRGYB	Flush Button Covers*	7.28
MUSHROOM HEAD*		
M22DRPS**	Black	51.65
M22DRPR**	Red	51.65
M22DRPG**	Green	53.87
E-STOP OPERATOR*		
M22PV	Red, Pull-to-Release	20.37

*Includes Contact Block Mounting Adapter; Contact Blocks Required.
 **Field Convertible to Momentary by Switch on Threaded Barrel.
 ***Includes Black, White, Red, Green, Yellow, Blue Button Covers.

ILLUMINATED PUSHBUTTON OPERATORS MAINTAINED/MOMENTARY



Vendor Code: **CHC**

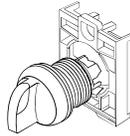
Catalog Number	Description	Price Each
FLUSH PUSHBUTTON OPERATOR		
M22DRLW	White	20.09
M22DRLG	Green	20.09
EXTENDED PUSHBUTTON OPERATOR		
M22DRLHR	Red	21.58
M22DRLHG	Green	21.58

Field Convertible to Momentary by Switch on Threaded Barrel.
 Includes Contact Block Mounting Adapter; LED Light Unit and Contact Blocks Required.





SELECTOR SWITCHES MOMENTARY/MAINTAINED



Vendor Code: **CHC**

Catalog Number	Description	Price Each
SELECTOR SWITCHES*		
M22WK**	2-Position	22.00
M22WK3**	3-Position	21.24
PLUNGER BRIDGE		
M22XW	Required to Operate Center-Mounted Contact Block on 3-Position Selector Switches	5.49

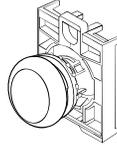
Contact Blocks Required.
**Selector Switches are Field Convertible from Momentary to Maintained by Adjusting Coding Adapter(s) Listed Below.

SELECTOR SWITCHES CODING ADAPTER GUIDE



Switch Position Left	Adapter Insert Position		Switch Position Right
	Bottom	Top	
TWO POSITION SELECTOR SWITCH			
(NA)			Momentary
	-	-	Maintained
THREE POSITION SELECTOR SWITCH			
Momentary			Momentary
Maintained	-	-	Maintained
Maintained	-		Momentary
Momentary		-	Maintained

INDICATING LIGHTS

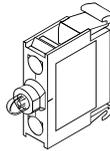


Vendor Code: **CHC**

Catalog Number	Lens Color	Price Each
M22LR	Red	10.32
M22LG	Green	10.32
M22LY	Yellow*	10.39

LED Light Unit Required.
*Use White LED Light Unit for Yellow Lens.

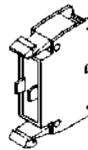
LED LIGHT UNITS FOR ILLUMINATED PUSHBUTTONS AND INDICATOR LIGHTS



Vendor Code: **CHC**

Catalog Number	LED Color	Price Each
12-30V AC/DC		
M22LEDR	Red	25.93
M22LEDG	Green	25.93
M22LEDW	White	25.93
85-264V AC/DC		
M22LED230R	Red	25.93
M22LED230G	Green	26.13
M22LED230W	White	25.93

CONTACT BLOCKS



Vendor Code: **CHC**

Catalog Number	Description	Price Each
SCREW TERMINAL CONTACT BLOCKS		
M22K10	1 Normally Open	8.21
M22K01	1 Normally Closed	8.21
SPRING CAGE TERMINAL*		
M22CK10	1 Normally Open	11.59
M22CK01	1 Normally Closed	11.51
M22CK01D	1 Normally Closed Late-Break	18.46
M22CK20	2 Normally Open	19.39
M22CK02	2 Normally Closed	19.39

*Spring Cage Terminals Can Accommodate Two Wires Up to #12 AWG.

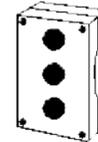
LEGEND PLATES



Vendor Code: **CHC**

Catalog Number	Description	Price Each
FOR PUSHBUTTONS AND PILOT LIGHTS		
M22SSTGB1	Start	6.22
M22SSTGB0	Stop	6.22
M22SSTGB7	Run	6.22
FOR SELECTOR SWITCHES		
M22SSTGB10	Off/On	6.22
M22SSTGB12	Hand/Off/Automatic	6.22

OIL-TIGHT ENCLOSURES FOR 22MM OPERATORS NEMA 4X, 13



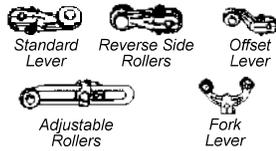
Vendor Code: **CHC**

Catalog Number	Description	Price Each
ONE PUSHBUTTON		
M2211PG	1 Pushbutton Enclosure	58.04
M2212PG	2 Pushbutton Enclosures	62.37
M2213PG	3 Pushbutton Enclosures	65.90

Motor Control



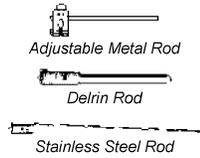
OPERATORS FOR ROTARY HEAD SWITCHES (ROLLER LEVERS)



Vendor Code: **CHC**

Catalog Number	Length	Width	Type	Price Each
STANDARD ROLLER LEVERS				
E50KL200	1-1/2"	5/16"	Nylon	35.77
E50KL355	1-1/2"	5/16"	Metal	35.77
E50KL377	1-1/2"	1"	Nylon	61.47
E50KL531	1-1/2"	1/4"	Bear.	87.81
ADJUSTABLE ROLLERS				
E50KL201	1 - 3-3/4"	5/16"	Nylon	58.51
E50KL537	1 - 3-3/4"	3/4"	Nylon	87.81
REVERSE SIDE ROLLERS				
E50KL310	1-1/2"	5/16"	Nylon	37.46
E50KL536	1-1/2"	9/32"	Nylon	51.86
OFFSET LEVER				
E50KL27	1-1/2"	5/16"	Outboard	37.46
FORK LEVER - ROLLERS ON SAME SIDE				
E50KL204	1-1/2"	5/16"	Nylon	61.47
FORK LEVER - ROLLERS ON OPPOSITE SIDE				
E50KL203	1-1/2"	5/16"	Nylon	61.47

ROD OPERATORS



Vendor Code: **CHC**

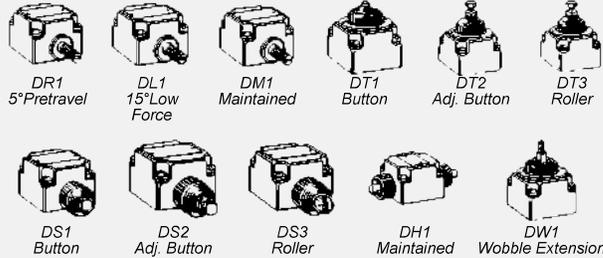
Catalog Number	Length	Price Each
1/8" ADJUSTABLE METAL ROD		
E50KL202	5-1/2" Max	61.47
1/4" DELRIN ROD		
E50KW2	3-3/8"	37.46
1/16" STAINLESS STEEL ROD		
E50KW3	12"	24.93

OPERATING HEADS

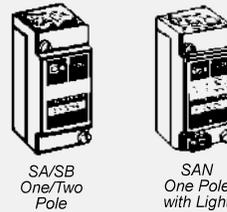
Vendor Code: **CHC**

Catalog Number	Description	Price Each
E50DR1	Spring Return	155.53
E50DL1	Spring Return	212.37
E50DM1	Two Position, Maintained	259.16
E50DS1	Push Spring Return	230.73
E50DS2	Push Spring Return	275.88
E50DS3	Push Spring Return	280.92
E50DH1	Push*	299.30
E50DT1	Push Spring Return	205.65
E50DT2	Push Spring Return	235.78
E50DT3	Push Spring Return	254.13
E50DW1	Wobble Spring Return	183.91

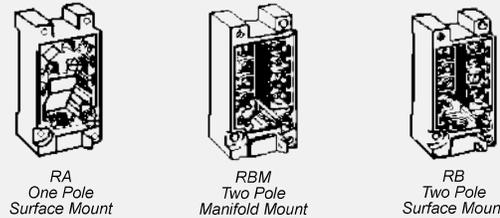
OPERATING HEADS



SWITCH BODIES



RECEPTACLES



SWITCH BODIES

Vendor Code: **CHC**

Catalog Number	Description	Price Each
E50SA	Standard 1NO - 1NC	193.01
E50SAN	1NO - 1NC w/Light	277.87
E50SB	Standard 2/NO - 2/NC	251.22

RECEPTACLES FOR PLUG-IN SWITCH

Vendor Code: **CHC**

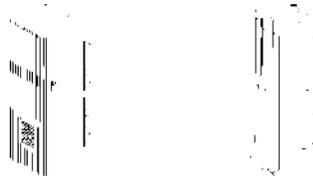
Catalog Number	Description	Price Each
E50RA	5 Terminal	47.26
E50RB	9 Terminal	71.07



Motor Control



ELC PROGRAMMABLE LOGIC CONTROLLERS



Controller

Module

As master or slave, ELC controllers can create an unlimited hierarchy of communications.

Capability - ELC controllers provide the instruction set of a large PLC in a small package. It is capable of 1-, 4-, 8-, 16-, and 32-bit instructions, block compare, block move, communications, interrupts, clock/calendar and over 240 logic instructions.

Flexibility - Expandable from 10 I/O to 256 I/O per controller.

Size - Most modules are only 1" wide and offer I/O from 4 In and 4 Out, to 8 In and 8 Out.

Remote Communications - ELC analog modules are capable of stand-alone operation. Mounted remotely, the ELC communicates to the analog module through its communications port. The ELC also lets you read parameters, set parameters, use scale, offset, and average values.

Choose From

- Analog In/Out
- Standard Thermocouple
- Platinum Thermocouple
- RTD

Complete Assembly Includes

- Controller
- Expansion Modules
- Power Supply

High-Level Network Access Through These Eaton Gateways

- Modbus TCP
- DeviceNet
- Profibus

Convenient Use and Installation

- DIN Rail Mounted
- Built-In Display

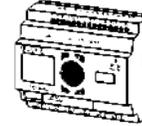
Vendor Code: **CHC**

Catalog Number	Description	Power Required	Price Each
CONTROLLERS			
ELC2PB14NNDR	8 DC In / 6 Relay Out	150 mA	423.31
ELC2PC12NNDR	8 DC In / 4 Relay Out, Clock	150 mA	540.12
ELC2PV28NNDR	16 DC In / 12 Relay Out	220 mA	1105.67
EXPANSION MODULES			
ELCEX16NNDR	8 DC In / 8 Relay Out	90 mA	331.38
ELCEX08NNNR	8 Relay Out	70 mA	270.94
ELCEX08NNDN	8 DC In	50 mA	174.40
ELCEX08NNAN	8 AC In	50 mA	206.60
ELCAN04ANNN	4 Analog In	90 mA	550.33
ELCAN06AANN	4 Analog In/2 Analog Out	90 mA	748.44
ELCEX06NNNI	6 Relay (6 Amp) Out	70 mA	303.28
ACCESSORIES			
ELCPS01	24VDC Power Supply	1,000 mA	153.16
ELCPS02	24VDC Power Supply	2,000 mA	222.21
ELCCBPCEL3	9.8ft (3m) PC Cable	-	100.12

If 24V DC is Not Available, Select Power Supply from Above. Programming Software is Available for Free at [Eaton.com](#).



EZ SERIES INTELLIGENT RELAYS



EZ Relays are an easy to use programmable relay that provide users with timing relays, flash relays, counters, comparators, timer switches, and other ready-to-use functions. Available in 32 different styles supporting 10 I/O to 320 I/O, EZ Relays are perfect for replacing an aging electro-mechanical control panel or controlling a new production line - anywhere relays, timers, and pushbuttons are used.

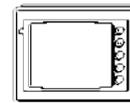
- User friendly operation
- Ready to use function blocks
- Built in timing relays, flash relays, counters, comparators, timer switches and other ready-to-use functions
- Integrated power flow display to ensure safe operation
- Circuit diagram stored internally or can be output on a memory module
- 100 to 240V AC
- 8A relay output

Vendor Code: **CHC**

Catalog Number	Description	Price Each
EZ RELAYS		
EASY512ACRC	8 AC In / 4 Relay Out, Clock, Display	195.93
EASY719ACRC	12 AC In / 6 Relay Out, Clock, Display	217.53
EZ ACCESSORIES		
EASYPCCAB	EZ-500/700 PC to EZ Cable	106.76

Programming Software Free at [Eaton.com](#)

HMI OPERATOR INTERFACE



HMI simplifies configuring application parameters with features and software that provide added capabilities and make monitoring your system intuitive.

- HMI stores entire application, including images, so editing won't require original source files.
- Flexibility, plus the security of password protection, makes HMI the perfect operator interface for any user.
- Picture Bank uploads/downloads images to a personal computer.
- Easy-to-use macro ability, from simple math, storing and manipulating trends, data, and communications, to sending data from one PLC to another.

Vendor Code: **CHC**

Catalog Number	Description	Price Each
HMI INTERFACES		
HMIVU04CUNBE	4" Color Touchscreen with On-Board Ethernet	630.58
HMIVU07CUNBE	7" Color Touchscreen with On-Board Ethernet	1065.66
HMIVU08CUNBE	8" Color Touchscreen with On-Board Ethernet	1674.20
HMI ACCESSORIES		
HMISPKIT	HMI Spare Parts Kit	73.52

Programming Software is Available for Free at [Eaton.com](#).

Motor Control





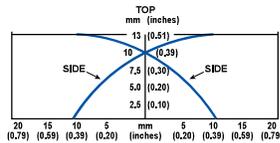
BASIC SENSOR OPERATIONS

INDUCTIVE PROXIMITY SENSORS

Inductive proximity sensors will sense all metals. The exact point at which a target will be detected is influenced by the type of metal, its size and surface area. The following charts show the sensing fields for a standard target: 45mm sq., mild steel, 1mm thick.

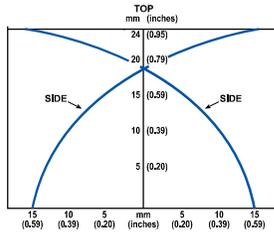
STANDARD RANGE

Shielded - Can be mounted flush with metal surface.



EXTENDED RANGE

Non-Shielded - Can not be mounted flush with metal surface.



The two most common approach directions are axial (head-on) and lateral (from the side). Detection occurs at the point where the target first touches the envelope of the sensing curve. The curve shown is for a standard target and must be corrected for other size targets.

TARGET CORRECTION FACTORS

(Multiply sensing range of device by factor given below)

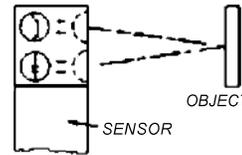
Target	Sensor Size (in millimeters)			
	4 - 8	12	18	30
400 Stainless	0.90	0.90	1.00	1.00
300 Stainless	0.65	0.70	0.70	0.85
Brass	0.35	0.45	0.45	0.45
Aluminum	0.35	0.40	0.40	0.40
Copper	0.30	0.25	0.35	0.30

USEFUL CONVERSIONS

Inches to Millimeters: Inches / 0.03937
Millimeters to Inches: Millimeters X 0.03937

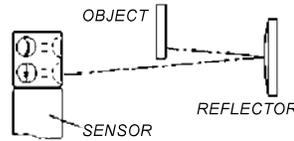
PHOTO-ELECTRIC SENSORS
DIFFUSE-REFLECTIVE

This type of sensor detects the reflection of transmitted light from the surface of an object. Shortest sensing range of all photoelectrics.



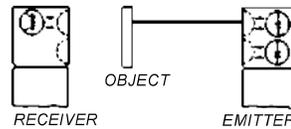
RETRO-REFLECTIVE

This type of sensor utilizes a special reflector to return the beam directed at it from the sensor. An object between the sensor and reflector is sensed when it interrupts the beam. Medium sensing range.



THRU-BEAM

Separate emitter and receiver provide maximum detection range and most positive type of sensing for opaque objects. When an object interrupts the beam from emitter to receiver, the object is detected.



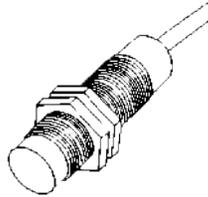
Motor Control
H



Inductive Proximity Sensors

INDUCTIVE PROXIMITY SENSORS

TUBULAR



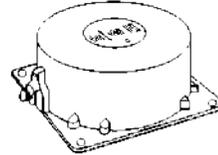
- Stainless steel barrel manufactured to take physical and environmental abuse
- 360° output status indicator visible from any angle in any light
- Protected against industrial transients and exceed NEMA 1500V showering arc specifications
- Extended range models offer over 3 times the range of standard models

Vendor Code: **CHC**

Catalog Number	Thread Size	Sense. Dist.	Price Each
20-250V AC, STANDARD RANGE*			
E57LAL12A2	12mm	2mm	357.36
E57LAL18A2	18mm	5mm	359.14
E57LAL30A2	30mm	10mm	373.32
35-250V AC, EXTENDED RANGE*			
E57LAL12A2E	12mm	4mm	357.36
E57LAL18A2E	18mm	8mm	359.14
E57LAL30A2E	30mm	15mm	373.32
20-250V AC, N.C.			
E57LBL12A2EA	12mm	4mm	385.69
20-250V AC, N.O.*			
E57LAL12A2EA	12mm	4mm	385.69
E57LAL18A2EA	18mm	8mm	385.69
E57LAL30A2EA	30mm	15mm	422.84
10-50V DC, SHIELDED N.O.			
E57P12SPN2C2	12mm	4mm	206.42
E57LAL12T111SD	12mm	2mm	140.09

*Listed AC Units Have Normally Open Outputs. Replace Fifth Character (in Black) of Catalog Number with: **B** for **Normally Closed Outputs**.

LONG RANGE, HEAVY DUTY



- Robust design and longest sensing ranges available (up to 100mm)
- Small diameter, 2-wire AC/DC models feature a selector switch inside the housing, enables output contacts to be used as either N.O. or N.C.
- Auto-configure output technology on 4-wire DC models automatically detects how sensor has been wired (NPN or PNP) and switches sensor without user intervention
- Includes additional power and output LEDs to make troubleshooting easier

Vendor Code: **CHC**

Catalog Number	Sensing Distance	Price Each
20-250V AC / 20-60V DC, N.O. OR N.C. UNSHIELDED		
E56CDL50A2E	50mm	760.74

Motor Control



**A SENSOR FOR ANY APPLICATION!
CONTACT YOUR LOCAL
ELLIOTT ELECTRIC SUPPLY
FOR MORE INFORMATION!**

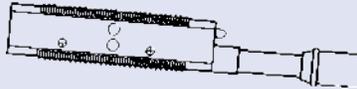




Photoelectric Sensors

H Motor Control

**COMET 100 SERIES
HIGH PERFORMANCE
PHOTOELECTRIC SENSORS**



- Available in AC/DC versions as well as DC only
- Rated to NEMA Types 1, 2, 3, 4, 4X, 6, 6P, 12 & 13
- 3/4" (18mm) tubular or flat surface mounting
- 8 ms response time on AC/DC versions; 1 ms on DC only versions
- Short circuit protection standard on AC/DC version

**THRU BEAM
20 – 264V AC OR 15 – 30V DC**

Vendor Code: **CHC**

Catalog Number	Description	Range	Price Each
WIDE ANGLE			
11100A6513	Emitter	25 Feet	175.29
12100A6513	Receiver	25 Feet	267.72
NARROW ANGLE, RIGHT ANGLE VIEW			
11100R6513	Emitter	20 Feet	175.29
12100R6513	Receiver	20 Feet	267.72

Emitter and Receiver Required for Complete Installation.

**RETRO REFLECTIVE*
20 – 264V AC OR 15 – 30V DC**

Vendor Code: **CHC**

Catalog Number	Voltage	Range	Price Each
VISIBLE BEAM			
14102A6513	AC or DC	25 Feet	315.53
POLARIZED VISIBLE BEAM			
14101A6513	AC or DC	15 Feet	334.65

*Requires Reflector for Complete Installation See Below.

**PERFECT PITCH DIFFUSE REFLECTIVE
20 – 264V AC OR 15 – 30V DC**

- Uses two separate optical detectors with sharp optical cutoff to detect objects at maximum range while avoiding detection of background objects
- High excess gain reliably detects low reflectance targets
- Convertible between light detection and dark detection on some models
- Short circuit protection on all models

Vendor Code: **CHC**

Catalog Number	Voltage	Range	Price Each
13104A6513	AC or DC	2.25 Inches	382.48
13103A6513	AC or DC	9 Inches	382.48

**E58 SERIES
HARSH DUTY PHOTOELECTRIC SENSORS**



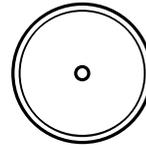
- 30mm, threaded 303 stainless steel housing
- 6P+ construction guaranteed not to fail from moisture ingress for 5 years
- Glass lens standard
- Brightest output indicator available, flashes under short circuit protect mode
- SJO cable standard with industry standard quick connectors available
- Food Processing Options: 316 stainless steel housing; smooth body plastic lens

**THRU BEAM
20 – 132V AC**

Vendor Code: **CHC**

Catalog Number	Description	Price Each
E5830TS250GA	800' Emitter Dark Sense	719.38
E5830TD250GD	800' Receiver Dark Sense	835.92

**REFLECTORS
SENSOR ACCESSORIES**



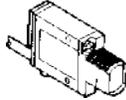
Vendor Code: **CHC**

Catalog Number	Description	Price Each
6200A6501	3" Diameter with Mounting Hole, Two per Package	45.02





MINI-BEAM SENSORS

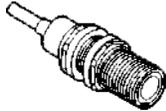


Vendor Code: **BAN**

Catalog Number	Range	Supply Voltage	Cbl. Len.	Price Each
EMITTER, OPPOSED MODE				
SM31E	10'	10-30V DC	6.5'	88.00
SMA31EL	100'	24-240V AC	6.5'	111.00
RECEIVER, OPPOSED MODE				
SM31R	10'	10-30V DC	6.5'	125.00
SM2A31R	10'	24-240V AC	6.5'	158.00
SM2A31RL	100'	24-240V AC	6.5'	158.00
DIFFUSE MODE				
SM312DQD	15'	10-30V DC	6.5'	177.60
SM2A312D	15'	24-240V AC	6.5'	184.00
SM2A312DQD	15'	24-240V AC	6.5'	184.00
DIVERGENT DIFFUSE MODE (CLEAR MAT.)				
SM312W	5'	10-30V DC	6.5'	148.00
RETROREFLECTIVE MODE				
SM312LV	15'	10-30V DC	6.5'	148.00
SM312LVQD	15'	10-30V DC	6.5'	177.60
SM2A312LVAG	2' - 7'	24-240V AC	6.5'	191.00
CONVERGENT MODE, VISIBLE RED				
SM312CVQD	0.65'	10-30V DC	6.5'	158.00

*Includes Quick Disconnect Cable.
**Polarized

SM30 SERIES 30MM BARREL SENSORS (OPPOSED MODE)

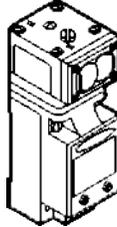


Vendor Code: **BAN**

Catalog Number	Description	Price Each
PLASTIC HOUSING, A FREQUENCY*		
SMA30PEL	AC/DC Emitter	225.00
SM2A30PRL	AC Receiver	268.00
SM30PRL	DC Receiver	242.00
STAINLESS STEEL, A FREQUENCY*		
SMA30SEL	AC/DC Emitter	300.00
SM2A30SRL	AC Receiver	344.00
SMA30SELQD	AC/DC Emitter**	300.00
SM2A30SRLQD	A/C Receiver**	344.00
SM2A30SRLNCQD	A/C Receiver**	344.00
SM30SRLQD	DC Receiver**	323.00
STAINLESS HOUSING, B FREQUENCY		
SMA30SELQDB	Emitter**	324.00
SM2A30SRLQDB	Receiver**	436.80

*For Alternate Frequencies:
Add **B** for **B Frequency** or **C** for **C Frequency** to the End of the Part Number. Call for Pricing.
**Includes Quick Disconnect Cable.

MAXI-BEAM MODULAR SENSORS



- Programming and sensing response
- Alignment indicating device
- Components bolt together quickly and easily

SENSOR HEADS

Vendor Code: **BAN**

Catalog Number	Range	Description	Price Each
OPPOSED MODE			
RSBE	300'	Emitter	170.00
RSBR	300'	Receiver	215.00
RETROREFLECTIVE MODE			
RSBLV	6' - 30'	Non-Polar.	229.00
RSBLVAG	1' - 15'	Polarized	245.00
DIFFUSE MODE			
RSBD	5'	Long Range	229.00
RSBDSR	30'	Short Range	229.00

NOTE: Banner Products are only available in select Elliott Electric Supply locations. To check which locations stock Banner products, visit www.ElliottElectric.com

POWER BLOCKS

Vendor Code: **BAN**

Catalog Number	Description	Price Each
BASE		
RWB4	Wiring Base*	42.00
DC POWER BLOCKS		
RPBT	In: 10 - 30V DC Out: 250 mA	131.00
AC POWER BLOCKS, 2-WIRE		
RPBA	In: 105 - 130V AC Out: Max.: 250V AC / 750 mA	158.00
RPBA1	For RSBE Emitter	175.00

*Wiring Base Required for All Maxi-Beam Assemblies.

ACCESSORIES

Vendor Code: **BAN**

Catalog Number	Description	Price Each
RETROREFLECTIVE TARGETS		
BRT3	3,3" Round	12.00
BRTHG2100	2" x 100" Tape	73.00
QUICK DISCONNECT CABLES		
MBCC312	12' 3-Pin	68.00
SM30CC312	12' 3-Pin*	68.00
MBCC512	12' 5-Pin	61.00
MBCC530	30' 5-Pin	97.00
MINI-BEAM BRACKETS		
SMB18A	SS Rt. Angle	11.00
SM30 BRACKET		
SMB30A	SS Rt. Angle	13.00

*Use with 2-Wire SM30.

Motor Control



**POWER SUPPLIES
PSG SERIES**



PSG60E (Single Phase)



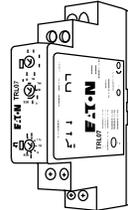
PSG60F24RMA1 (Three Phase)

- General-purpose 12 Vdc and 24 Vdc output for 1.25A to 40A loads
- Single-phase and three-phase inputs up to 500 Vac
- 150% power surge output
- Redundancy modules
- Buffer module
- DIN rail mount
- Rugged metal and plastic housing options
- Heavy-duty screw and finger-safe terminals
- Hazardous Location Class I, Division 2 rated models
- NEC® Class II rated model
- Protection from overvoltage, overcurrent and overtemperature conditions

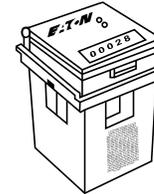
Vendor Code: **CHC**

Catalog Number	Output Current	Dimensions			Price Each
		L	W	H	
85-264VAC 1 PHASE INPUT / 24VDC OUTPUT					
PSG60E	2.5A	4.76"	1.25"	4.75"	150.88
PSG120E	5A	4.76"	1.26"	4.72"	343.13
PSG240E	10A	4.76"	3.35"	4.67"	507.33
PSG480E	20A	4.76"	6.3"	4.53"	500.73
320-575VAC 3 PHASE INPUT / 24VDC OUTPUT					
PSG60F24RM	2.5A	4.76"	1.97"	4.62"	194.45
PSG120F24RM	5A	4.76"	1.97"	4.62"	380.05
PSG240F24RM	10A	4.76"	2.76"	4.62"	580.72
PSG480F24RM	20A	4.76"	5.51"	4.62"	531.05

TIMING RELAYS



DIN Rail Mount



Socket Mount

Function	Description
1	Asymmetrical flasher, pause first
2	Asymmetrical flasher, pulse first
3	ON delay and OFF delay with control contact
4	ON delay and single shot leading edge voltage controlled
5	ON delay and single shot leading edge control contact
6	Single shot leading and single shot trailing edge with control contact
7	Pulse sequence monitoring
8	ON delay, power triggered
9	Single shot leading edge voltage controlled
10	OFF delay/signal OFF delay
11	Single shot leading edge with control input
12	Single shot trailing edge with control input
13	ON delay control signal start, trailing edge OFF
14	Flasher, pause first
15	Retriggerable single shot
16	Flasher, ON first
17	ON delay control signal start, leading edge OFF
18	Flasher—control signal start, pause first
19	Flasher—control signal start, ON first
20	Signal ON/OFF delay
21	ON/OFF delay
22	Single pulse generator
23	Memory latch
24	True OFF Delay

Vendor Code: **CHC**

Catalog Number	Functions	Price Each
8A AC OUTPUT, 24-240V AC/DC		
TRL04*	8, 9, 10, 14	77.46
TRL07*	8, 9, 10, 11, 12, 13, 14	86.21
8A AC OUTPUT, 12/240V AC/DC		
TRL27**	8, 9, 10, 11, 12, 13, 14	110.50
12A AC 8-PIN OCTAL BASE, 12-240V AC/DC		
TMRP5102**	8, 9, 10, 11, 14, 15, 16, 21, 22, 23	390.80
12A AC 11-PIN BASE, 12-240V AC/DC		
TMRP5100**	8, 9, 10, 11, 14, 15, 16, 21, 22, 23	391.08
ACCESSORIES		
D3PA2	8-PIN Round, Screw Terminal Socket	10.65
D3PA3	11-PIN Round, Screw Terminal Socket	19.51

*Single Pole, Double Throw
**Double Pole, Double Throw

H Motor Control





3-Phase Voltage Monitors · Relays (Alternating · Operate Delay)

3 PHASE VOLTAGE MONITORS SOCKET MOUNT



Monitors 3-phase power lines for abnormal conditions. When properly adjusted, the unit will detect phase loss on a loaded motor even when regenerated voltage is present. Both the 257 & 258 models do not require a neutral connection and can be used in either Wye or Delta configurations.

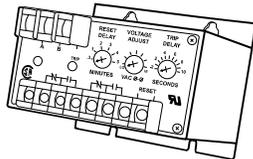
- 10A SPDT output contacts
- Monitors and detects phase loss, low voltage and phase reversal
- Automatic restart
- Wide range adjustment
- 5 year unconditional warranty

Vendor Code: **TIM**

Catalog Number	A/C Input Voltage	Adjustment Range	Relay Base	Price Each
TOP CONTROL				
257B	208/240V	160-240V	8-Pin Octal	88.18
A257B	480V	380-480V	8-Pin Octal	88.18
SIDE CONTROL				
258B	208/240V	160-240V	8-Pin Octal	88.18
A258B	480V	380-480V	8-Pin Octal	81.14

Other Voltages Available

3 PHASE VOLTAGE MONITORS PANEL MOUNT



C2652

These 3 phase voltage monitors offer the same capabilities as the 257 and 258 models as well as offer additional contacts and timing functions not found in socket mount models.

C2652 - Detects low voltage, phase loss, phase reversal. DPDT output relay. Adjustable trip relay up to 10 seconds. Adjustable restart relay up to five minutes to prevent short cycling.

C269 - Detects high voltage, low voltage, phase loss and phase reversal. Adjustable trip relay up to 10 seconds. SPDT output relay.

Vendor Code: **TIM**

Catalog Number	A/C Input Voltage	Adjustment Range	Relay Base	Price Each
C2652	480V	380-500V	DPDT	230.99
C269	480V	380-540V	SPDT	172.02

Other Voltages Available

ALTERNATING RELAYS



Model 261 alternating relays are designed for duplex pumping systems where equalized pump run times are desired. The relay requires continuous power source and control switch. Relay output contacts change states when control switch opens. Toggle switch is set to NORMAL position. Toggle to Load 1 or Load 2 to lock relay in position and prevent alternation.

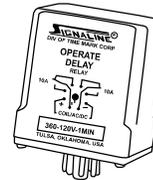
- 10A contacts
- 90-130V operating voltage range
- Toggle switch to prevent alternation and lock relay on Load 1 or Load 2
- UL, CSA recognized

Vendor Code: **TIM**

Catalog Number	Input Voltage	Contact Configuration	Relay Base	Price Each
261ST120V	120VAC/DC	SPST	8-Pin Octal	99.35
261DT120V	120VAC/DC	DPDT	11-Pin Round	112.36

Other Voltages Available

OPERATE DELAY RELAYS



360120V1MIN

The Model 360 Operate Delay Relays are designed for a wide range of industrial applications. Examples include automatic and machine tool control circuits. HVAC circuits, and warm-up delay circuits. The Model 360 is SPDT, high accuracy digital timer. Solid state timing circuits in each model drive an internal electromechanical relay.

Vendor Code: **TIM**

Catalog Number	A/C Input Voltage	Timing Range	Relay Base	Price Each
360120V1MIN	120V	1-1023 Minutes	8-Pin Octal	85.09

Other Voltages Available



TIME MARK
CORPORATION

Motor Control





GENERAL PURPOSE PLUG-IN RELAYS



Vendor Code: **CHC**

Catalog Number	Contact Configuration	Coil Voltage	Relay Base	Price Each
20A AC 5-BLADE				
D1RR1B	SPDT	240V	D1PAA	19.78
10A AC 8-BLADE				
D2RR2T	DPDT	24V	D2PAL	30.44
D2RR2A	DPDT	120V	D2PAL	17.03
D2RR2B	DPDT	240V	D2PAL	21.26
10A DC 8-BLADE				
D2RR2T1	DPDT	12V	D2PAL	25.14
D2RR2R1	DPDT	24V	D2PAL	21.25
10A AC 11-BLADE SQUARE BASE				
D2RR4B	4PDT	120V	D2PA6	24.52

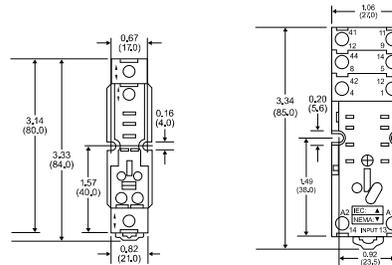
LATCHING RELAYS



Vendor Code: **CHC**

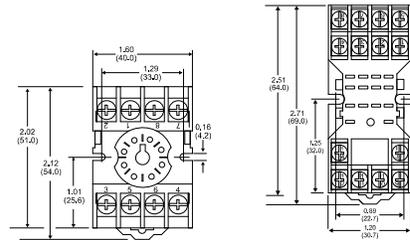
Catalog Number	Contact Configuration	Coil Voltage	Relay Base	Price Each
5A DC 14-PIN				
D2PR5T1	DPDT	24V	D2PA6	84.99
5A AC 14-PIN				
D2PR5T	DPDT	24V	D2PA6	84.99
D2PR5A	DPDT	110V	D2PA6	84.99

RELAY MOUNTING SOCKETS



D1RAA

D2PAL



D3PA2

D2PA6

Vendor Code: **CHC**

Catalog Number	Description	Price Each
D1RAA	20A 5-Blade Screw Terminal Socket	20.32
D2PA6	10A 14-Blade Screw Terminal Socket	26.10
D2PAL	10A 8-Blade Screw Terminal Socket	20.93
D3PA2	16A 8-Pin Octal Screw Terminal Socket	10.65

Motor Control





STANDARD OCTAL BASES



Vendor Code: **IDC**

Catalog Number	Contact Configuration	Coil Voltage	Relay Base	Price Each
10A AC 8 PIN ROUND BASE				
RR2PUAC24V	DPDT	24V	SR2P06	23.91
RR2PUAC120V	DPDT	120V	SR2P06	23.91
RR2PUAC240V	DPDT	240V	SR2P06	20.72
RR2PULAC24V*	DPDT	24V	SR2P06	26.22
RR2PULAC120V*	DPDT	120V	SR2P06	26.22
10A DC 8-PIN ROUND BASE				
RR2PUDC12V	DPDT	12V	SR2P06	22.78
RR2PUDC24V	DPDT	24V	SR2P06	22.78
10A AC 11-PIN ROUND BASE				
RR3PAUAC120V	3PDT	120V	SR3P06	27.47

*Includes LED Indicator.

MAGNETIC LATCHING RELAYS



RR2KPUAC Series

Vendor Code: **IDC**

Catalog Number	Contact Configuration	Coil Voltage	Relay Base	Price Each
10A 11-PIN OCTAL BASE PERMANENT MAGNET, DUAL COIL LATCHING RELAY				
RR2KPUAC24V	DPDT	24V	SR2P06	72.32
RR2KPUAC120V	DPDT	120V	SR2P06	72.32



COMPACT BLADE BASES



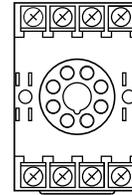
Vendor Code: **IDC**

Catalog Number	Contact Configuration	Coil Voltage	Relay Base	Price Each
10A AC 5-BLADE				
RH1BUAC24V	SPDT	24V	SH1B05	12.45
RH1BUAC120V	SPDT	120V	SH1B05	12.45
10A DC 8-BLADE				
RH2BUDC24V	DPDT	24V	SH2B05	11.31
10A AC 8-BLADE				
RH2BUAC24V	DPDT	24V	SH2B05	12.58
RH2BUAC110120V	DPDT	120V	SH2B05	12.58
10A AC 11-BLADE				
RH3BUAC120V	3PDT	120V	SH3B05	15.90
10A AC 14-BLADE				
RH4BUAC120V	4PDT	120V	SH4B05	19.36

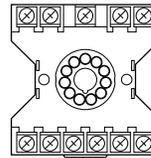
RH SERIES DIN RAIL SNAP MOUNT SOCKETS



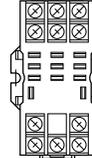
5 Blade SH1B05



8 Pin SR2B06



11 Pin SR3P06



11 Blade SH3B05

Vendor Code: **IDC**

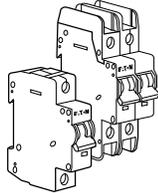
Catalog Number	Description	Price Each
SH1B05	5 Blade SPDT	7.33
SH2B05	8 Blade DPDT	7.80
SH3B05	11 Blade 3PDT	8.75
SH4B05	14 Blade 4PDT	10.97
SR2P06	8 Pin Round, Screw Terminal DPDT	6.67
SR3P06	11 Pin Round, Screw Terminal 3PDT	9.87

Motor Control





DIN RAIL MOUNT CIRCUIT BREAKERS



UL 489 or UL 1077?

While both devices may be mounted on 35mm DIN rail and may look the same, not all miniature circuit breakers carry equal ratings. Only UL 489 devices carry the necessary rating to be used as branch protection. UL 1077 devices are only rated for use as supplemental protection and may only be used in conjunction with a branch rated device. Think of it this way: a UL 489 device carries the same rating and offers the same protection as a typical thermal-magnetic circuit breaker. A UL 1077 device is what you would use to provide over-current protection to a PLC, control power transformer, or lighting circuit in a control panel once you run power to it from a UL 489 branch device.

UL 489 Miniature Circuit Breakers:

- UL489 and CSA C22.2 certified
- Suitable for branch circuit protection and motor control
- Switching duty rated - suitable for switching fluorescent loads
- Width is 17.7mm per pole
- Rated for 10kaic @ 277/480Vac

Vendor Code: **CHC**

Catalog Number	Amperage	Trip Curve*	Price Each
UL 489 1 POLE**			
FAZC51NASP	5	C	139.22
FAZC101NASP	10	C	129.62
FAZC151NASP	15	C	129.62
FAZC201NASP	20	C	129.62
FAZC301NASP	30	C	139.22

*B & D Curve Versions are Available
 **Two and Three Pole Versions are Available

UL 1077 Supplemental Circuit Protectors

- UL 1077, CSA CS22.2 No.235, and IEC 60947-2 certified
- Offers supplemental protections for control circuits, lighting, business equipment, and appliances
- Current limiting design
- Width is 17.5mm per pole
- Rated for 10kaic @ 277/480Vac

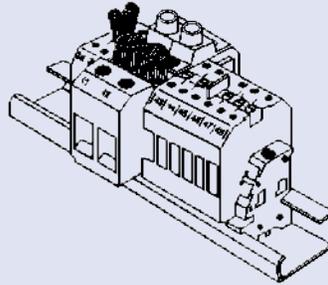
Vendor Code: **CHC**

Catalog Number	Amperage	Trip Curve*	Price Each
UL 1077 1 POLE**			
FAZC51SP	5	C	129.54
FAZC101SP	10	C	108.46
FAZC151SP	15	C	108.46
FAZC201SP	20	C	108.46
FAZC301SP	30	C	108.46

*B & D Curve Versions are Available
 **Two and Three Pole Versions are Available

WEIDMULLER TERMINAL BLOCKS

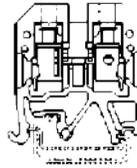
Electrical & Electronic Connection Systems



- Vibration resistant clamping action
- Efficient use of expensive space
- Fast, easy installation
- Terminal blocks for many functions
- Trouble free operation with added safety
- Corrosion resistant clamping action



UNIVERSAL RAIL MOUNT SAK-EN TERMINAL BLOCKS



Vendor Code: **WEI**

Catalog Number	Description	Price Each
20 AMP, 600V, 22-12		
1061200000	End Bracket (TS35)	1.74
0206160000	End Bracket (TS32)	1.07
0218660000	Terminal Block	1.67
30 AMP, 600V, 22-10		
1061200000	End Bracket (TS35)	1.74
0206160000	End Bracket (TS32)	1.07
1020180000	Terminal Block	0.87

FUSED TERMINAL BLOCKS W SERIES W SERIES FEED-THROUGH (FITS TS35X7.5 RAIL ONLY)

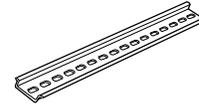
Vendor Code: **WEI**

Catalog Number	Description	Price Each
16 AMP, 600V, 20-8		
1014000000	Without LED Indicator*	6.59
1014300000	40 – 60V DC / 80 – 120V AC**	14.25

*Uses 1/4" x 1-1/4" Fuse.
 **Includes Blown Fuse Indicator, Uses 1/4" x 1-1/4" Fuse.

NOTE: Custom labelling is available from Elliott Electric Supply Houston locations.

DIN RAIL



Vendor Code: **WEI**

Catalog Number	Description	Price Each
TYPE TS35 X 7.5		
0383400000	Solid Steel Rail	8.13
0514500000	Slotted Steel Rail	8.37
TYPE TS32		
5144000000	Slotted Steel Rail	25.64

TERMINAL BLOCKS W SERIES (FITS TS35X7.5 RAIL ONLY)

- Slim design - 60 Terminal Blocks per foot
- High-Temperature ratings: Can withstand operating temperatures of 250°F continuous / 350°F to 24 hours

Vendor Code: **WEI**

Catalog Number	Description	Price Each
20 AMP, 600V, 22-12		
1020000000	Terminal Block	0.87
1010000000	Ground Terminal	4.50
1061200000	End Bracket	1.74
1050000000	End Cover Bracket	0.75
45 AMP, 600V, 20-8		
1020200000	Terminal Block	1.41
1010200000	Ground Terminal	6.11
1061200000	End Bracket	1.74
1050000000	End Cover Plate	0.75

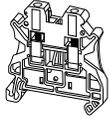
Call for a FREE Terminal Block Engineering Guide or a complete Product Selection Catalog. Weidmüller also offers layout software. Contact your Elliott Electric Supply salesperson for more information.

H Motor Control

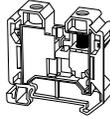


Eaton Terminal Blocks · Screw Clamp Ground Blocks · DIN Rail

TERMINAL BLOCKS



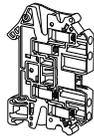
XBUT4



XBUT35

Vendor Code: **CHC**

Catalog Number	Amps	Voltage	Width	Wire Size	Color	Price Each
FEED THROUGH SCREW CLAMPS						
XBUT25	20	600	5.2mm	26-12AWG	Gray	1.44
XBUT4	30	600	6.2mm	26-10AWG	Gray	1.93
XBUT6	50	600	8.2mm	24-8AWG	Gray	2.50
XBUT10	65	600	10.2mm	20-6AWG	Gray	3.04
XBUT16	85	600	12mm	16-4AWG	Gray	5.82
XBUT35	150	600	16mm	14-1/0AWG	Gray	8.69



XBUT25D22



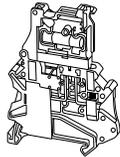
XBUTT4

Vendor Code: **CHC**

Catalog Number	Conductors	Amps	Voltage	Width	Wire Size	Price Each
MULTI CONDUCTOR SCREW CLAMPS						
XBUT25D22	4	20	150	5.2mm	26-12AWG	4.63
DOUBLE LEVEL SCREW CLAMPS						
XBUTT4	4	30	300	5.2mm	26-12AWG	5.12

*Products above are Gray, please add the following color codes to specify other colors

BK – Black, **BU** – Blue, **GN** – Green, **OR** – Orange, **RD** – Red, **WH** – White, **YE** – Yellow
*Not All Colors Available for All Amperages. Check with Your Elliott Salesperson for Availability on Specific Items.



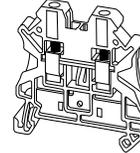
Vendor Code: **CHC**

Catalog Number	Voltage	Fuse	Width	Wire Size	Price Each
FUSIBLE SCREW CLAMPS					
XBUT4FBE	600	5 x 20mm	6.2mm	26-10AWG	9.05

Black Color
*With Blown Fuse Indicator



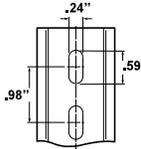
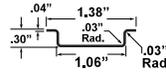
SCREW CLAMP GROUND BLOCKS



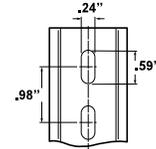
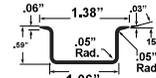
Vendor Code: **CHC**

Catalog Number	Width	Wire Size	Color	Price Each
XBUT25PE	5.2mm	26-12 AWG	Green/Yellow	6.23
XBUT4PE	6.2mm	26-10 AWG	Green/Yellow	6.92

DIN RAIL



XBANS3575P

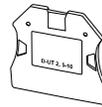


XBANS3515P

Vendor Code: **CHC**

Catalog Number	Description	Price Each
XBANS3575P	Slotted, 35mm x 7.5mm x 2 Meters Long	25.07
XBANS3515P	Slotted, 35mm x 15mm x 2 Meters Long	83.43

TERMINAL BLOCK ACCESSORIES



XBACUT10



XBAES35C



XBANBGSH

Vendor Code: **CHC**

Catalog Number	Description	Price Each
XBACUT10	End Cover for the XBUT25, 4, 6 & 10 Terminal Blocks	0.71
XBACUT16	End Cover for the XBUT16 Terminal Blocks	1.23
XBACUT4D12	End Cover for the XBUT25D12 & XBUT4D12	1.04
XBACUT4D22	End Cover for the XBUT25D22 & XBUT4D22	1.29
XBAFBS25	2 Pole Plug-in Bridge for XBUT25 Terminal Blocks	0.75
XBAFBS55	5 Pole Plug-in Bridge for XBUT25 Terminal Blocks	3.04
XBAFBS105	10 Pole Plug-in Bridge for XBUT25 Terminal Blocks	5.76
XBAFBS26	2 Pole Plug-in Bridge for XBUT4 Terminal Blocks	0.75
XBAFBS56	5 Pole Plug-in Bridge for XBUT4 Terminal Blocks	2.88
XBAFBS106	10 Pole Plug-in Bridge for XBUT4 Terminal Blocks	5.76
XBAES35C	35mm Universal End Stop	1.93
XBANBGS	35.4mm 30 Degree Angle Mounting Bracket	9.21
XBANBGSH	46mm 30 Degree Angle Mounting Bracket	9.43

Motor Control





Motor Control
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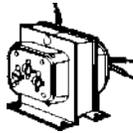
FIRE ALARM STATIONS



Vendor Code: **EDW**

Catalog Number	Switch Type	Pole	Voltage	Price Each
270SP0	Normally Open	Single	125 / 250	37.98

TRANSFORMERS



Vendor Code: **EDW**

Catalog Number	Description	Price Each
596	120 – 6/12/18V AC, 15 VA	27.90
592	120 – 8/16/24V AC, 20 VA	30.53
598	120 – 8/16/24V AC, 30 VA	35.18
599	120 – 24V AC, 40 VA	35.50

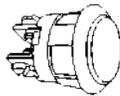
DOOR SWITCHES



Vendor Code: **EDW**

Catalog Number	Description	Price Each
236	Door Trip Switch	34.84

PUSHBUTTONS



Vendor Code: **EDW**

Catalog Number	Description	Price Each
620	Low Voltage, 5/8" Diameter, Chrome Finish	7.71



BEACON LIGHTS



Vendor Code: **EDW**

Catalog Number	Color	Voltage	Price Each
52AN540WH	Amber	120	321.87
52RN540WH	Red	120	321.87

BELLS



720



340 Series

Vendor Code: **EDW**

Catalog Number	Description	Price Each
720	6", 3 – 6V DC, Dixie Bell	27.44
ADAPTABLE, AC VIBRATING		
3404G5	4", 24V AC, Bell	164.61
3404N5	4", 120V AC, Bell	157.20
3406N5	6", 120V AC, Bell	186.86

BUZZERS



725 or 740



340AG5 or 340AN5

Vendor Code: **EDW**

Catalog Number	Description	Price Each
725	6 – 8V AC, Dixie Buzzer	20.18
740	6 – 8V DC, Nubel	23.51
340AG5	24V AC, Buzzer	176.49
340AN5	120V AC, Buzzer	176.49

HORNS



Vendor Code: **EDW**

Catalog Number	Description	Price Each
123AN5	120V AC, Midi Horn	27.44
874N5	120V AC, Grille Type	140.89
876N5	120V AC, Weatherproof	188.33



Harsh Locations

SECTION



Harsh Locations





Harsh Locations

Harsh Locations

Conduit Outlet Bodies

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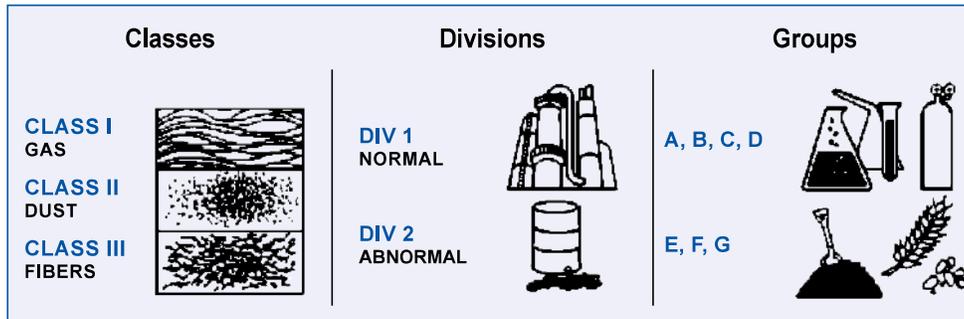
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Harsh Locations

Hazardous Location Basics



DEFINITIONS

HAZARDOUS LOCATION [Nec 500] - An area where the possibility of explosion and fire is created by the presence of flammable gases, vapors, dusts, fibers or flyings.

CLASS I [NEC-500.5(b)] - Those areas in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.

CLASS II [NEC-500.5(c)] - Those areas made hazardous by the presence of combustible dust.

CLASS III [NEC-500.5(d)] - Those areas that are hazardous because of the presence of easily ignitable fibers or flyings, but in which such fibers or flyings are not likely to be in suspension in the air in quantities sufficient to produce ignitable mixtures.

DIVISION 1 [NEC-500.5(b)(1), 500.5(c)(1), 500.5(d)(1)] - Division One in the normal situation, the hazard would be expected to be present in everyday production operations or during frequent repair and maintenance activity.

DIVISION 2 [NEC-500.5(b)(2), 500.5(c)(2), 500.5(d)(2)] - Division Two in the abnormal situation, material is expected to be confined within closed containers or closed systems and will be present only through accidental rupture, breakage, or unusual faulty operation.

GROUPS [NEC-500.6(a)(1,2,3,4) & 500.6(b) (1,2,3)] - The gases of vapors of Class I locations are broken into four groups by the code, A, B, C, and D. These materials are grouped according to the ignition temperature of the substance, its explosion pressure and other flammable characteristics.

Class II - dust locations - groups E, F, and G. These groups are classified according to the ignition temperature and the conductivity of the hazardous substance.

SEALS (NEC-501.15 & 502.15) - Special fittings that are required either to prevent the passage of hot gasses in the case of an explosion in a Class I area of the passage of combustible dust, fibers, or flyings in a Class II or III area.

ARTICLES 500 Through 504 (2005 NEC) - Explains in detail the requirements for the installation of wiring of electrical equipment in hazardous locations. These articles along with other applicable regulations, local governing inspection authorities, insurance representatives, and qualified engineering/technical assistance should be your guides to the installation of wiring or electrical equipment in any hazardous or potentially hazardous location.

TYPICAL CLASS I LOCATIONS:

- Petroleum refineries, and gasoline storage and dispensing areas.
- Industrial firms that use flammable liquids in dip tanks for parts cleaning or other operations.
- Petrochemical companies that manufacture chemicals from gas and oil.
- Dry cleaning plants where vapors from cleaning fluids can be present.
- Companies that have spraying areas where they coat products with paint or plastics.
- Aircraft hangars and fuel servicing areas.
- Utility gas plants, and operations involving storage and handling of liquefied petroleum gas or natural gas.

TYPICAL CLASS II LOCATIONS:

- Grain elevators, flour and feed mills.
- Plants that manufacture, use, or store magnesium or aluminum powders.
- Plants that have chemical or metallurgical processes of plastics, medicines and fireworks, etc.
- Producers of starch or candies.
- Spice-grinding plants, sugar plants and cocoa plants.
- Coal preparation plants and other carbon-handling or processing areas.

TYPICAL CLASS III LOCATIONS:

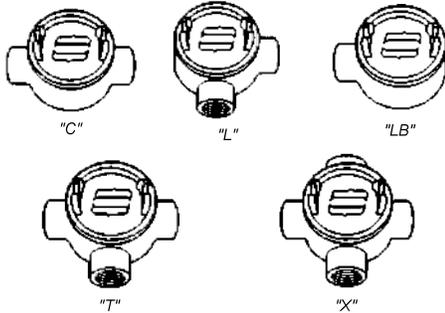
- Textile mills, cotton gins, cotton seed mills, and flax processing plants.
- Any plant that shapes, pulverizes, or cuts wood and creates sawdust or flyings.

Note: Fibers and flyings are not likely to be suspended in the air, but can collect around machinery or on lighting fixtures and where heat, a spark, or hot metal can ignite them.

Harsh Locations



CONDUIT OUTLET BODIES
CLASS I, GROUPS C & D
CLASS II, GROUPS E, F & G
CLASS III



Vendor Code: **CRS**

Catalog Number	Conduit Size	Style Size	Cubic in. (in ³)	Price Each
3" COVER OPENING				
GUAC16	1/2"	C	13.3	116.79
GUAL16	1/2"	L	13.3	116.79
GUAB16	1/2"	LB	13.3	116.79
GUAT16	1/2"	T	13.3	123.67
GUAX16	1/2"	X	13.3	129.19
GUAC26	3/4"	C	13.5	128.87
GUAL26	3/4"	L	13.5	123.67
GUAB26	3/4"	LB	13.5	123.67
GUAT26	3/4"	T	13.5	131.40
GUAX26	3/4"	X	13.5	138.30
GUAC36	1"	C	15.5	129.19
GUAL36	1"	L	15.5	129.19
GUAB36	1"	LB	15.5	129.19
GUAT36	1"	T	15.5	141.65
GUAX36	1"	X	15.5	151.44
5" COVER OPENING				
GUAC49	1-1/4"	C	76.0	492.25
GUAL49	1-1/4"	L	80.0	531.60
GUAT49	1-1/4"	T	76.0	519.71
GUAX49	1-1/4"	X	80.0	537.41
GUAC59	1-1/2"	C	77.8	433.88
GUAL59	1-1/2"	L	77.8	433.88
GUAB59	1-1/2"	LB	76.0	433.88
GUAT59	1-1/2"	T	77.8	476.11
GUAX59	1-1/2"	X	77.8	491.62
GUAC69	2"	C	80.0	460.65
GUAL69	2"	L	80.0	445.46
GUAB69	2"	LB	80.0	460.70
GUAT69	2"	T	80.0	491.64
GUAX69	2"	X	80.0	518.51

Harsh Locations



GUA JUNCTION BOXES WITH UNION HUBS



Vendor Code: **CRS**

Catalog Number	Description	Cubic in. (in ³)	Price Each
GUAG7775	3/4" Hubs	22.8	411.38
GUAG8885	1" Hubs	22.8	459.37
GUAH7775	3/4" Hubs	23.5	606.79

Class I Groups C & D. Class II Groups E, F, & G. Class III.

FLEXIBLE COUPLINGS



Vendor Code: **CRS**

Catalog Number	Size	Price Each
ECLK112	1/2" X 12"	451.44
ECLK118	1/2" X 18"	511.19
ECLK212	3/4" X 12"	528.72
ECLK218	3/4" X 18"	649.46

Class I groups A, B, C, & D. Class II groups E, F, & G. Class III. Other Sizes and Lengths Available. See Store for Details.

UNIONS
CLASS I, GROUPS C & D
CLASS II, GROUPS E, F, & G
CLASS III



Vendor Code: **CRS**

Catalog Number	Description	Carton Quantity	Price Each
FEMALE/FEMALE HUB			
UNF105*	1/2" Steel	10	26.60
UNF205*	3/4" Steel	10	36.70
UNF305*	1" Steel	5	66.27
UNF405	1-1/4" Feraloy	5	99.71
UNF505	1-1/2" Feraloy	5	128.03
UNF605	2" Feraloy	2	164.61
UNF705	2-1/2" Feraloy	1	275.87
UNF805	3" Feraloy	1	396.06
UNF905**	3-1/2" Feraloy	1	626.56
UNF1005**	4" Feraloy	1	698.47
MALE/FEMALE HUB			
UNY105*	1/2" Steel	10	28.89
UNY205*	3/4" Steel	10	41.26
UNY305*	1" Steel	5	70.14
UNY405	1-1/4" Feraloy	5	107.38
UNY505	1-1/2" Feraloy	2	139.38
UNY605	2" Feraloy	2	179.62
UNY705	2-1/2" Feraloy	1	290.32
UNY805	3" Feraloy	1	394.19
UNY905**	3-1/2" Feraloy	1	711.74
UNY1005**	4" Feraloy	1	697.05

*Suitable for Class I Groups A, B, C, and D

**Suitable for Class I, Groups B, C, and D



Capped Elbows • Control Station Device Bodies and Covers • Thread Lubricants

CAPPED ELBOWS TYPE "LBY"

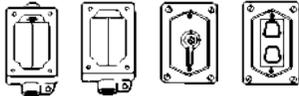


Vendor Code: **CRS**

Catalog Number	Description	Carton Quantity	Price Each
LBY15	1/2" Feraloy	10	42.40
LBY25	3/4" Feraloy	5	50.83
LBY35	1" Feraloy	5	55.57

Class I groups C and D. Class II groups E, F, and G. Class III.

CONTROL STATION DEVICE BODIES AND COVERS CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G CLASS III



Vendor Code: **CRS**

Catalog Number	Description	Price Each
CONTROL STATION DEVICE BODIES**		
EDS271	3/4" Dead End	134.88
EDSC271	3/4" Feed Through	143.92
EDS371	1" Dead End Single Gang	141.80
EDSC371	1" Feed Through Single Gang	157.38
EDS272	3/4" Dead End Double Gang	264.98
EDSC272	3/4" Feed Thr. Double Gang	275.03
EDS372	1" Dead End Double Gang	271.88
EDSC372	1" Feed Thr. Double Gang	287.10
COVER & DEVICE SUB-ASSEMBLIES		
DSD918	Single PB 1NO / 1NC	421.71
DSD922	Start/Stop 2NO / 2NC	487.86
DSD9185769EMSP	1 Circuit Emrg Stop Pushbutton*	662.13
DSD923	2 Circuit 2 Position Selector Switch	421.26
DSD925	2 Circuit 3 Position Selector Switch	425.52
DSD933	20A, 120/277V 1-Pole Toggle	289.07
DSD917	30 Amp 3 Pole Snap Switch	765.35
COMPLETE ASSEMBLIES (BODY, COVER, & DEVICE)		
EDS21273	3/4" Dead End w/ 3 Position 2 Circuit Selector Switch	543.11
EDSC21273	3/4" Feed Through w/ 3 Position 2 Circuit Selector Switch	559.07
EDS21275	3/4" Dead End w/ 3 Position 4 Circuit Selector Switch	678.45
EDSC21275	3/4" Feed Through w/ 3 Position 4 Circuit Selector Switch	686.60
EDS2129	3/4" Dead End w/ 1P 20A Snap Switch	702.52
EDSC2129	3/4" Feed Thr. w/ 1P 20A Snap Switch	723.95

*Emergency Stop Legend Included
**Suitable for Group B Div 2



THREAD LUBRICANTS



Vendor Code: **CRS**

Catalog Number	Description	Price Each
STL8	8 oz. Can	75.53

SEAL-OFF



Vertical



Horizontal / Vertical

Vendor Code: **CRS**

Catalog Number	Conduit Size	Cubic in. Vert/Horiz	Ctn. Qty.	Price Each
VERTICAL POSITION ONLY				
EYS16	1/2"	1/0	5	41.30
EYS26	3/4"	2/0	5	50.26
EYS36	1"	3,75/0	2	65.64
VERTICAL OR HORIZONTAL POSITION				
EYS116	1/2"	1/1	5	41.30
EYS216	3/4"	2/2	5	52.28
EYS316	1"	3/3,75	2	60.91
EYS46*	1-1/4"	6/8	2	79.54
EYS56*	1-1/2"	10,75/12,25	2	116.95
EYS66*	2"	19/22,75	1	152.30
EYS76*	2-1/2"	25,5/30	1	242.54
EYS86*	3"	56/64,5	1	299.52
EYS96*	3-1/2"	72/82	1	803.27
EYS106*	4"	95/110	1	1163.17

Class I, Groups A, B, C and D Class II, Groups E, F and G
All Above are Male/Female Hubs. Remove Nipple for Female/Female.

*These Catalog Numbers Are Only Rated for Class I Groups C&D, Class II Groups F&G, and Class III.

"UNIVERSAL" DRAIN OR BREATHER



Vendor Code: **CRS**

Catalog Number	Description	Carton Quantity	Price Each
ECD15	1/2" Male Thread	15	91.56

Class I, Groups C and D, Class II, Groups F and G, Class III

CHICO® SEALING COMPOUNDS



Vendor Code: **CRS**

Catalog Number	Description	Price Each
SEALING COMPOUND		
CHICOA3	1 lb. / 23 Cubic in.	31.51
CHICOA05	5 lbs. / 115 Cubic in.	100.82
X FIBER		
CHICOX4	2 oz. Fiber	41.38
CHICOX7	1 lb. Fiber	227.87

CHICO® SPEEDSEAL™ COMPOUND



- Installs a reliable seal in five minutes - every time
- Hardens to a dense, strong mass that is suitable for Class I, Division 1, Groups C, D and Class II, Division 1, Groups E, F, G hazardous applications
- UL and cUL Listed for use with 1/2" to 2" Eaton's Crouse-Hinds series sealing fittings only
- Packaged in a 2 oz. or 6 oz. pre-measured cartridge, eliminating the need for measuring before mixing
- Packaged with a screw-on nozzle for accurate dispensing
- Expands in the sealing fitting, eliminating the need to separate the individual conductors with Chico X fiber
- Chico X fiber dams are not required in horizontal applications, reducing installation times
- Completely hardens in 20 minutes, simplifying use for OEMs
- Suitable for cold temperature environments without the costly need to build a temporary shelter around sealing fittings; all ice crystals must be removed from inside the conduit seal before dispensing Chico SpeedSeal compound; the Chico SpeedSeal compound should be kept above 10°C (50°F) and below 85°F (29°C) prior to mixing; the sealing fitting must be kept at or above 4°C (40°F) during the 4 to 10 minute expansion/gel time of the compound
- 18 month shelf life

Vendor Code: **CRS**

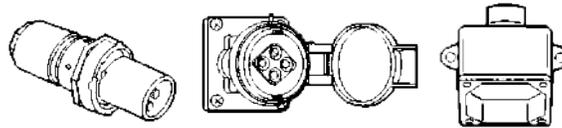
Catalog Number	Description	Price Each
CHICO SPEEDSEAL		
CHICOSS2	2 oz. Compound	63.04
CHICOSS6	6 oz. Compound	128.95

Harsh Locations



Pin and Sleeve Devices (Receptacles · Plugs · Mounting Boxes)

Appleton, Killark, and Crouse-Hinds are UL1686 approved for interoperability. May not be suitable for all applications. Brand and availability may vary based on location. See your local Elliott Electric Supply for more details.



RECEPTACLES

Vendor Code: **APP**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
ADR3023	2 Wire, 3 Pole	248.24
ADR3033	3 Wire, 3 Pole	217.28
ADR3034	3 Wire, 4 Pole	279.10
ADR3044	4 Wire, 4 Pole	248.24
60A, 600V AC / 250V DC		
ADR6033	3 Wire, 3 Pole	356.58
ADR6034	3 Wire, 4 Pole	464.86
ADR6044	4 Wire, 4 Pole	418.88
100A, 600V AC / 250V DC		
ADR1033	3 Wire, 3 Pole	449.76
ADR1034	3 Wire, 4 Pole	573.89
ADR1044	4 Wire, 4 Pole	527.35
200A, 600V AC / 250V DC		
AR20033	3 Wire, 3 Pole	1049.08
AR20034	3 Wire, 4 Pole	1109.66
AR20044	4 Wire, 4 Pole	1050.96

Vendor Code: **CRS**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
AR332	2 Wire, 3 Pole	443.31
CDR3033	3 Wire, 3 Pole	222.20
CDR3034	3 Wire, 4 Pole	248.15
CDR3044	4 Wire, 4 Pole	254.03
60A, 600V AC / 250V DC		
CDR6033	3 Wire, 3 Pole	366.23
CDR6034	3 Wire, 4 Pole	413.50
CDR6044	4 Wire, 4 Pole	400.52
100A, 600V AC / 250V DC		
CDR1033	3 Wire, 3 Pole	461.61
CDR1034	3 Wire, 4 Pole	508.97
CDR1044	4 Wire, 4 Pole	542.11
200A, 600V AC / 250V DC		
-	3 Wire, 3 Pole	-
-	3 Wire, 4 Pole	-
AR2041	4 Wire, 4 Pole	2571.77

Vendor Code: **KIL**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
VR332	2 Wire, 3 Pole	204.14
VR331	3 Wire, 3 Pole	178.56
VR342	3 Wire, 4 Pole	258.56
VR341	4 Wire, 4 Pole	204.14
60A, 600V AC / 250V DC		
VR631	3 Wire, 3 Pole	294.44
VR642	3 Wire, 4 Pole	389.38
VR641	4 Wire, 4 Pole	345.37
100A, 600V AC / 250V DC		
VR1031	3 Wire, 3 Pole	417.86
VR1042	3 Wire, 4 Pole	530.47
VR1041	4 Wire, 4 Pole	490.68
200A, 600V AC / 250V DC		
VR20312	3 Wire, 3 Pole	848.67
VR20422	3 Wire, 4 Pole	977.21
VR20412	4 Wire, 4 Pole	926.20

Harsh Locations

PLUGS

Vendor Code: **APP**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
ACP3033BC	3 Wire, 3 Pole	264.12
ACP3034BC	3 Wire, 4 Pole	325.73
ACP3044BC	4 Wire, 4 Pole	294.95
60A, 600V AC / 250V DC		
ACP6033BC	3 Wire, 3 Pole	372.45
ACP6034BC	3 Wire, 4 Pole	449.76
ACP6044BC	4 Wire, 4 Pole	388.67
100A, 600V AC / 250V DC		
ACP1033CD	3 Wire, 3 Pole	573.89
ACP1034CD	3 Wire, 4 Pole	682.07
ACP1044CD	4 Wire, 4 Pole	635.66
200A, 600V AC / 250V DC		
AP20034E	3 Wire, 4 Pole	739.00
AP20044E	4 Wire, 4 Pole	808.44

Vendor Code: **CRS**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
CCP3033BC	3 Wire, 3 Pole	247.13
CCP3034BC	3 Wire, 4 Pole	264.10
CCP3044BC	4 Wire, 4 Pole	275.33
60A, 600V AC / 250V DC		
CCP6033BC	3 Wire, 3 Pole	346.31
CCP6034BC	3 Wire, 4 Pole	364.37
CCP6044BC	4 Wire, 4 Pole	361.96
100A, 600V AC / 250V DC		
CCP1033CD	3 Wire, 3 Pole	532.90
CCP1034CD	3 Wire, 4 Pole	551.30
CCP1044CD	4 Wire, 4 Pole	590.55
200A, 600V AC / 250V DC		
AP20467	3 Wire, 4 Pole	2818.73
AP20457	4 Wire, 4 Pole	3243.70

Vendor Code: **KIL**

Catalog Number	Description	Price Each
30A, 600V AC / 250V DC		
VP3375	3 Wire, 3 Pole	217.76
VP3485	3 Wire, 4 Pole	302.78
VP3475	4 Wire, 4 Pole	273.99
60A, 600V AC / 250V DC		
VP6375	3 Wire, 3 Pole	306.19
VP6485	3 Wire, 4 Pole	417.65
VP6475	4 Wire, 4 Pole	360.38
100A, 600V AC / 250V DC		
VP10377	3 Wire, 3 Pole	530.47
VP10487	3 Wire, 4 Pole	632.08
VP10477	4 Wire, 4 Pole	587.95
200A, 600V AC / 250V DC		
VP204612	3 Wire, 4 Pole	977.21
VP204513	4 Wire, 4 Pole	926.20

MOUNTING BOXES

Vendor Code: **APP**

Catalog Number	Description	Price Each
30 AMP		
AEE23	3/4" Hub	50.60
AEE33	1" Hub	54.33
60 AMP		
AEE46	1-1/4" Hub	60.79
AEE56	1-1/2" Hub	63.95
60 & 100 AMP		
AJA610	2" Hub	258.29
200 AMP		
AJA620	2" Hub	473.67

Vendor Code: **CRS**

Cat. Number	Description	Price Each
30 AMP		
ARE23	3/4" Hub	105.47
CEE33	1-1/2" Hub	72.66
60 AMP		
CEE46	1-1/4" Hub	81.24
CEE56	1-1/2" Hub	85.41
60 & 100 AMP		
AJ67	2" Hub w/ Angle Adapter	530.04
200 AMP		
AJ68	2" Hub w/ Angle Adapter	971.49

Vendor Code: **KIL**

Catalog Number	Description	Price Each
30 AMP		
VRE23	3/4" Hub	46.85
VRE33	1" Hub	50.51
60 AMP		
VRE46	1-1/4" Hub	53.52
VRE56	1-1/2" Hub	60.33
60 & 100 AMP		
VJ67	2" Hub	204.37
200 AMP		
VJ68	2" Hub	363.86

Read across columns for equivalent products.



LED Lighting for Hazardous Locations (High Bay · Flood · Low Bay)

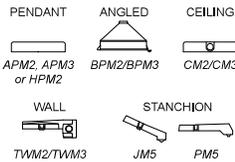
CHAMP® HIGH BAY LEDS



Vendor Code: **CRS**

Catalog Number	HID Equivalent	Input Wattage	Price Each
NEMA 4X, IP 66			
PVML3UNV1	70W - 100W	28W	3104.49
PVML5UNV1	100W - 150W	45W	3094.72
PVML7UNV1	150W - 175W	61W	3534.96
PVML9UNV1	250W - 320W	76W	4332.06
PVML11UNV1	320W - 400W	92W	5639.16
CLASS I, DIVISION 2, GROUPS A, B, C, D			
VMVL3UNV1	70W - 100W	28W	3576.53
VMVL5UNV1	100W - 150W	45W	3993.19
VMVL7UNV1	150W - 175W	61W	4514.54
VMVL9UNV1	250W - 320W	76W	6137.09
VMVL11UNV1	320W - 400W	92W	7101.17

MOUNTING OPTIONS



Vendor Code: **CRS**

Catalog Number	Description	Price Each
APM2	3/4" Pendant	162.96
APM3	1" Pendant	179.27
CM2	3/4" Ceiling	167.88
CM3	1" Ceiling	167.88
TWM2	3/4" Thru Wall Mount	325.38
TWM3	1" Thru Wall Mount	352.50
JM5	25 Degree Angle Stanchion	307.31
PM5	Straight Stanchion	352.50

MLL LINEAR LED



MLL2UNV1 MLL4UNV1

Vendor Code: **CRS**

Catalog Number	Input Wattage	Length	Price Each
CLASS I, DIVISION 2, GROUPS A, B, C, & D			
MLL2UNV1	29W	2 Feet	1828.03
MLL4UNV1	55W	4 Feet	2505.03

100/277 VAC

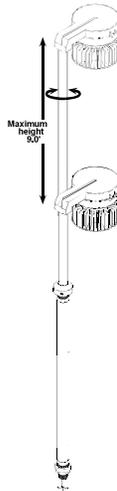
CHAMP® FLOOD LEDS



Vendor Code: **CRS**

Catalog Number	HID Equivalent	Input Wattage	Price Each
NEMA 4X, IP 66			
PFMA5LCYUNV176	100W - 150W	40W	3360.26
PFMA7LCYUNV176	150W - 175W	55W	4430.33
PFMA9LCYUNV176	175W - 250W	67W	4779.19
PFMA11LCYUNV176	250W - 320W	82W	5516.40
PFMA13LCYUNV176	320W - 400W	93W	6229.25
CLASS I, DIVISION 2, GROUPS A, B, C, D			
FMVA5LCYUNV176	100W - 150W	45W	3887.51
FMVA7LCYUNV176	150W - 175W	58W	4813.02
FMVA9LCYUNV176	175W - 250W	69W	5460.96
FMVA11LCYUNV176	250W - 320W	84W	6127.39
FMVA13LCYUNV176	320W - 400W	95W	6648.88

V-SPRING TELESCOPING SAFETY LIGHT POLE



- Increases safety and decreases labor costs associated with lighting installation and routine maintenance.
- Its innovative design allows for all work to safely take place on the platform or walkway, eliminating the need for portable ladders and fall protection equipment.
- Listed for Class I Div 2, Class II Div 2 when used with Champ luminaires.

Vendor Code: **CRS**

Catalog Number	Description	Price Each
V65BAC	Base Mount Alum w/ Cover	3289.31
V65HG*	Handrail Stanchion Galv Steel	2169.04
V65WG	Wall Mount Galv Steel	2551.95

*Handrail Mounting Kits Sold Separately.



Crouse-Hinds series

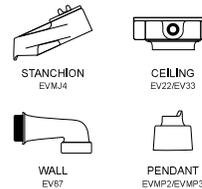
EV SERIES LED LUMINAIRES



Vendor Code: **CRS**

Catalog Number	HID Equivalent	Input Wattage	Price Each
CLASS 1, DIVISION 1, GROUPS C & D			
EVLEDC201	100W-200W Incandescent	15W	2639.56
EVLEDC701	70W-100W HID	30W	3170.30

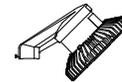
MOUNTING OPTIONS



Vendor Code: **CRS**

Catalog Number	Description	Price Each
EVMP2	3/4" Pendant	555.88
EVMP3	1" Pendant	558.33
EV22	3/4" Ceiling & Wall	736.98
EV33	1" Ceiling & Wall	851.54
EV MJ4	25° Angle Stanchion	990.46
EV87	Wall Mount Adaptor Arm	487.52

LED LOW BAYS



Stanchion Mount

Vendor Code: **CRS**

Catalog Number	Mounting	Price Each
NEMA 4X, IP 66		
P2LM2CA2UNV1	3/4" Pendant	1675.59
P2LM2CHF2UNV1	3/4" Ceiling	1695.46
P2LM2CHT2UNV1	3/4" Thru Wall	1749.45
P2LM2CHJ4UNV1	Stanchion	1902.09
CLASS I, DIVISION 2, GROUPS A, B, C, D		
V2LM2CA2UNV1	3/4" Pendant	1700.11
V2LM2CA3UNV1	1" Pendant	1841.78
V2LM2CHF2UNV1	3/4" Ceiling	1949.43
V2LM2CHT2UNV1	3/4" Thru Wall	2031.32
V2LM2CHJ4UNV1	Stanchion	2165.64

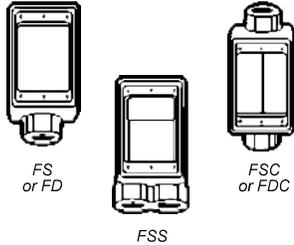
50W HID or 150-200W Incandescent Equivalent. Input Wattage = 14

Harsh Locations



Cast Device Boxes · Wet Location Covers · Cast Device Box Covers

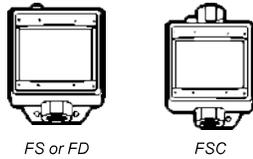
CAST DEVICE BOXES
SINGLE GANG



Vendor Code: **CRS**

Catalog Number	Description	Price Each
1-7/8" DEEP		
FS1	1/2" Hub	42.16
FS2	3/4" Hub	44.39
FSC1	1/2" Hub	46.51
FSC2	3/4" Hub	50.86
FSS1	1/2" Hub	50.46
FSS2	3/4" Hub	51.37
2-11/16" DEEP		
FD1	1/2" Hub	46.38
FD2	3/4" Hub	50.57
FDC1	1/2" Hub	52.79
FDC2	3/4" Hub	56.93

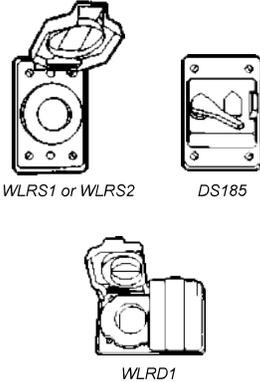
CAST DEVICE BOXES
TWO GANG



Vendor Code: **CRS**

Catalog Number	Description	Price Each
1-7/8" DEEP		
FS12	1/2" Hub	81.72
FS22	3/4" Hub	84.07
FSC12	1/2" Hub	90.85
FSC222	3/4" Hub	95.66
2-11/16" DEEP		
FD12	1/2" Hub	103.24
FD22	3/4" Hub	91.41

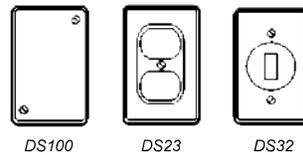
WET LOCATION COVERS



Vendor Code: **CRS**

Catalog Number	Description	Price Each
SINGLE DEVICE		
WLRs1	5-15R / 6-15R 5-20R / 6-20R L5-15R / L6-15R	103.83
WLRs2	L5-20R / L6-20R	103.83
DUPLEX DEVICE		
WLRD1	5-15R / 6-15R 5-20R / 6-20R L5-15R	121.44
SWITCH		
DS185	Toggle Switch Cover	95.16

CAST DEVICE BOX COVERS

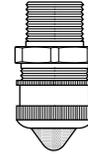


Vendor Code: **CRS**

Catalog Number	Material	Device Type	Price Each
1-GANG			
DS100	Aluminum	Blank	8.51
DS100G	Cast Iron	*Blank	27.56
DS23	Steel	Duplex	10.67
DS32	Steel	Toggle Switch	10.67
DS21	Steel	**Single Receptacle	10.67
DS35	Steel	***Single Receptacle	10.67
2-GANG			
S1002	Steel	Blank	13.05
S232	Steel	2 - Duplex	16.89
S322	Steel	2 - Toggle Switch	16.89

*Includes Gasket.
**DS21 Has 1-7/16" Opening.
***DS35 Has 1-5/8" Opening.

NON-HAZARDOUS
LOCATION DRAINS

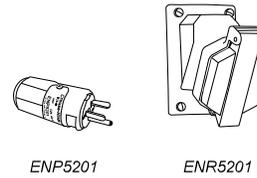


- Drain accumulated condensate.
- Provide ventilation to minimize condensation.
- Drains are installed in hubs or drilled and tapped openings.

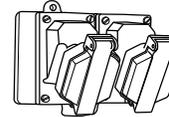
Vendor Code: **CRS**

Catalog Number	Description	Ctn. Qty.	Price Each
CD1	1/2" Male Thread	10	33.10
CD2	3/4" Male Thread	10	33.10

ARK•GARD® PLUGS
AND RECEPTACLES



ENP5201 ENR5201



ENR22201

- Captive set screw design standard on all ENP plugs.
- Insulator and contact components now a single piece assembly.
- ENP plugs can be used in non-hazardous areas with standard U-ground NEMA/IEEMAC configuration 5 and 6 receptacles.
- ENP plug can accept various cable diameters.
- Class I Groups C & D. Class II Groups F, G. Class III.

Vendor Code: **CRS**

Catalog Number	Description	Price Each
ENP5201*	20 Amp 125V Plug	243.09
ENR5201	20 Amp 125V Receptacle	796.46
ENR22201	20A 125V Dead End 2G Receptacle Assembly	1807.62

*Suitable for Class I, Group B.

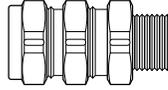
Harsh Locations





Armored Cable Glands - Non-Armored Cable Glands

ARMORED CABLE GLANDS



TMC Features:

- Stainless steel copper-plated spring provides grounding continuity of cable armor (MC cable only)
- Watertight seal on outer sheath of cable
- Cold Shrink kit is available
- Available with NPT threads
- May be used in wet locations
- Can be used in Class I Division 2 locations, if there are no arcing and sparking risks in accordance with NEC501.10B

TMCX Features:

- Stainless steel copper-plated spring provides grounding continuity of cable armor (MC cable only)
- Provides explosionproof compound seal on conductors and watertight seal on outer sheath of cable
- Cold Shrink kit is available for extra protection in aggressive environments
- Supplied with TSC epoxy sealing compound
- Can be used in Class I groups A, B, C, & D, Class II groups E, F, & G, and Class III

TMCX Terminator II Features:

- Full coverage of all popular cables and hub sizes
- Chico LiquidSeal reduces waiting times
- Complete with integral dam to facilitate liquid pour
- Integral union design
- Mating components have generous lead-ins for trouble-free assembly
- Metric Size threads allow interfacing to European machinery
- Cold Shrink kit is available for extra protection in aggressive environments
- Can be used in Class I groups A, B, C, & D, Class II groups E, F, & G, Class III

Vendor Code: CRS

Catalog Number	Cord Range	NPT Size	Ctn. Qty.	Price Each
TMC30500	0.45 - 0.66	1/2"	5	79.88
TMC30751	0.58 - 0.87	3/4"	5	111.76
TMC3112	0.80 - 1.12	1"	5	115.27
TMC4140	1.10 - 1.40	1-1/4"	2	148.56
TMC5161	1.33 - 1.61	1-1/2"	2	211.42
TMC6206	1.57 - 2.06	2"	1	257.37
TMC7247	1.93 - 2.47	2-1/2"	1	410.59

HARSH LOCATIONS

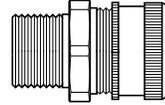
TMCX165	0.44 - 0.65	1/2"	5	154.54
TMCX285	0.60 - 0.85	3/4"	5	214.42
TMCX3112	0.80 - 1.12	1"	5	267.25
TMCX4140	1.10 - 1.40	1-1/4"	1	377.14
TMCX5161	1.33 - 1.61	1-1/2"	1	528.89
TMCX6206	1.57 - 2.06	2"	1	692.93
TMCX7247	1.93 - 2.47	2-1/2"	1	1008.45

TERMINATOR II SERIES*

TMCX0500	0.45 - 0.70	1/2"	1	204.42
TMCX0501	0.49 - 0.90	1/2"	1	219.37
TMCX0502	0.65 - 1.18	1/2"	1	226.47
TMCX0751	.049 - 0.90	3/4"	1	232.90
TMCX0752	0.65 - 1.18	3/4"	1	309.26
TMCX1001	0.65 - 1.18	1"	1	325.57
TMCX1002	0.87 - 1.39	1"	1	419.45

*Comes with TSC solid compound. Adding "L" to the end of the part number will get you LSC liquid compound. Adding "BULK" to the end of the part number will get you no compound.

NON-ARMORED CABLE GLANDS



CGB Features:

- Rugged, durable construction protects cords and cables from damage, and compact design permits close grouping of several cords and/or cables
- Flexible offering available in steel, iron, and aluminum in 3/8" to 3" trade sizes
- Wire mesh grips available for added strain relief
- Available with NPT threads
- Standard neoprene bushing weatherproof seal on outer sheath of cable
- Suitable for use in Class I, Division 2 hazardous locations when installed in accordance with NEC501.10(B)(4)
- NEMA 3R (suitable for use in wet locations)
- Operating temperature: -25 degrees C to +40 degrees C.

CGE Features:

- Rugged, durable construction protects cords and cables from damage, and compact design permits close grouping of several cords and/or cables
- Wire mesh grips available for added strain relief
- Available with NPT threads
- Standard neoprene bushing weatherproof seal on outer sheath of cable
- Suitable for use in wet locations
- Standard materials: body - ferrous iron alloy, gland nut - steel.
- Operating temperature -24 degrees C to +40 degrees C.

Vendor Code: CRS

Catalog Number	Cord Range	NPT Size	Ctn. Qty.	Price Each
CGB192	.125 - .250	1/2"	25	17.30
CGB193	.250 - .375	1/2"	25	17.30
CGB194	.375 - .500	1/2"	25	17.30
CGB195	.500 - .625	1/2"	25	17.30
CGB294	.375 - .500	3/4"	25	17.30
CGB295	.500 - .625	3/4"	25	17.30
CGB296	.625 - .750	3/4"	10	30.61
CGB499	1.00 - 1.18	1-1/4"	5	72.08
CGB4911	1.18 - 1.37	1-1/4"	5	61.22
CGB599	1.00 - 1.18	1-1/2"	5	61.22
CGB5911	1.18 - 1.37	1-1/2"	5	69.93
CGB6913	1.37 - 1.62	2"	2	111.97
CGB6915	1.62 - 1.87	2"	2	111.97
CGB6917	1.87 - 2.18	2"	1	145.88
CGB7917	1.87 - 2.18	2-1/2"	1	145.23

90 DEGREE ANGLE BODY

CGE193	.250 - .375	1/2"	10	38.73
CGE296	.625 - .750	3/4"	10	77.33

Harsh Locations



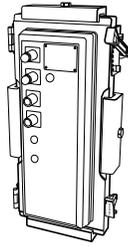
Contact us for Harsh and Hazardous Cable

EATON
Crouse-Hinds series

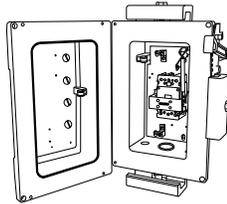


Clamped EBMX Explosionproof Enclosures · Lighting and Heat Tracing Panelboards

CLAMPED EBMX EXPLOSIONPROOF ENCLOSURES
 CLASS I DIV 1&2 GROUPS B*, C, & D
 CLASS II GROUPS E, F, & G
 CLASS III



Combo Starter Enclosure



Breaker Enclosure

The EBMX advantage:

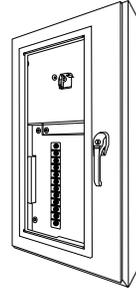
- The world's only NEMA 7 classified enclosure to utilize clamping technology
- **Faster.** A significant reduction in installation and maintenance costs due to its revolutionary clamped design makes opening and closing the EBMX significantly faster than traditional enclosures.
- **Safer.** The clamps on the EBMX enclosure automatically apply even pressure across the flame path for an error-proof installation. No need to worry about missing or improperly torqued bolts creating an explosion in your facility.
- Side operated handles for visual confirmation of proper operator alignment while cover is open.
- Rated Class I, Divisions 1 and 2, and has a NEMA 4X rating to protect against water ingress.
- Designed for use as a breaker, disconnect switch, motor starter, or combo starter.
- Handle and mechanism ships with the enclosure. Breaker, starter, or combo enclosures have appropriate handles included.
- Multiple configurations available. See store for details.

Vendor Code: **CRS**

Catalog Number	Description	Price Each
ENCLOSURE ONLY (HANDLE AND MECHANISM INCLUDED)		
EBMX1BW	Clamped 15A-100A Breaker Enclosure	8129.00
EBMX2C	Clamped NEMA 0-2 Combo Starter Enclosure	9842.99
EBMX3C	Clamped NEMA 3 & 4 Combo Starter Enclosure	24635.71

*High AIC and -50°C Temperature Certifications Do Not Apply for Group B.

SYNERGEX LIGHTING AND HEAT TRACING PANELBOARDS



- Lightweight design and reduced footprint for easier installation with reduced labor costs.
- Easy to open and access with only 1/4 turn (vs. up to 70+ bolts in a traditional enclosure).
- High ingress protection for harsh environments
- Encapsulated branch circuit breakers
- Optional removable gland plates for easy addition of entries
- Lightweight and compact main breaker is encapsulated and internally mounted
- Breakers permanently welded closed to prevent tampering
- Touch safe and fully encapsulated bus
- Easy to install rigid connection to the bus bar for easier maintenance/ installation
- Rated for Class I, Division 2, Groups A, B, C, D areas.
- **Multiple configurations available. See store for details.**

Harsh Locations





SECTION



Datacom

Datacom





Datacom

Datacom

Home Networks

Enclosures	J3
Wall Plates & Inserts	J4
Video Distribution.....	J4
Straps	J5
Coax.....	J6

Patch Panels & Cords

Punch Down Tools	J5-J6
Patch Cords	J6
Patch Panels	J6

Uninterruptable Power Supplies

UPS	J7
Network, Server and Storage UPS	J7

Data Cables

Data Cables	J8
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Datacom
J