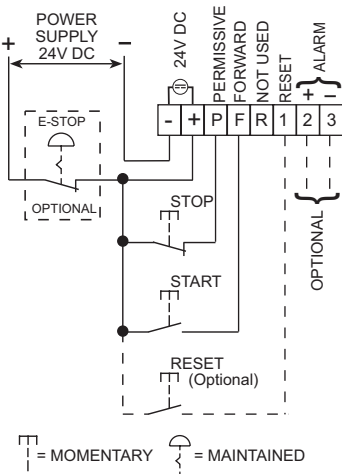


IEC

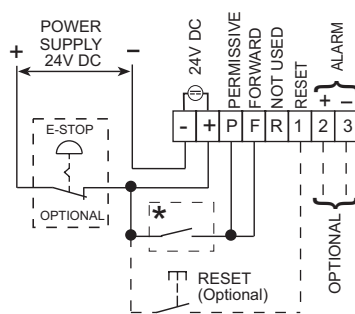
Non - Reversing Starter

D - Frame
76mm

3-Wire Control



2-Wire Control



* MAINTAINED ONLY
2-WIRE REMOTE PILOT DEVICE

CONTROL POWER / 24 VOLTS DC ONLY

POWER REQUIRED PER DEVICE @ 20°C (68°F)

Inrush: 130 watts, 5.4 amps, 65 msec duration
Sealed: 5.0 watts, 0.21 amps

At other temperatures (T) in °C
Watts = $W_{20}[1.1 - .005(T)]$
Amps = $A_{20}[1.1 - .005(T)]$

Example: Inrush watts @ -25°C
 $130[1.1 - .005(-25)] = 160$ watts

24V DC POWER SUPPLY REQUIRED

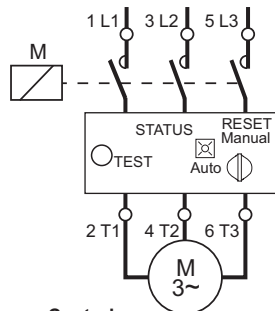
Select supply based on power required per device
Recommend Cutler-Hammer PS Series

24V DC CONTROLS REQUIRED

24V DC, 3-5mA
Recommend Cutler-Hammer Logic Level Series
or contact blocks with reliability "nibs".

ALARM OUTPUT (optional)

Open collector or emitter type
24V DC @ 0.25 amps



Note: Remove Control Terminal Block
before wiring of T1, T2, & T3.

**DISCONNECT AC POWER BEFORE
WORKING ON THIS PRODUCT**

AUXILIARY CONTACTS

Max. Qty.	Cat. No.	Description
3	EMA13	1 N.O.
3	EMA14	1 N.C.
3	EMA15	1 N.O. - 1 N.C.
3	EMA16	2 N.O.
3	EMA17	2 N.C.
3	EMA70	1 N.O.-1 N.C. (Logic)

CONTROL TERMINAL BLOCK

Wire	- +	P F 1 2 3
1 per Terminal	1.5 - 2.5mm ² [14 - 12 Awg]	0.5 - 2.5mm ² [22 - 12 Awg]
2 per Terminal	1.5mm ² [14 Awg]	0.75 - 1.5mm ² [18 - 14 Awg]
Strip Length	Driver	Torque (Max.)
7mm [0.27 in]	3.5mm [1/8 in]	0.5 N-m [4.5 LB-IN]

CONTROL CIRCUIT FUSEHOLDER

Cat. No. C320FB or C320FBR

L1, L2, L3 / T1, T2, T3

75°C Copper Wire only

MOUNTING HOLES / DIN RAIL

(4) Screws: M3.5 x 50mm or #6 x 2 in	73mm [2.87 in]	24mm [0.94 in]
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1 Wire per Terminal	1.5 - 10mm ² [14 - 8 Awg]	Torque (Max.)	5.0 N-m [45 LB-IN]
1 Wire per Terminal	16 - 35mm ² [6 - 1 Awg]	Torque (Max.)	11.0 N-m [100 LB-IN]
2 Wires per Terminal	1.5 - 25mm ² [14 - 2 Awg]	Torque (Max.)	11.0 N-m [100 LB-IN]

AMBIENT TEMPERATURE

Operating:	-40°C to 65°C [-40°F to 149°F]
Storage:	-50°C to 80°C [-58°F to 176°F]

Strip Length	18mm [0.7 in]	Hex Key Driver	4mm [5/32 in]
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TYPE 1 SHORT CIRCUIT WITHSTAND RATING

IEC 60947-4-1, EN 60947-4-1, CE

	Maximum Value	Maximum Breaker Cutler-Hammer	Maximum Fuse Ferraz-Shawmut
'r'	5000A @ 480V 5000A @ 600V	KW3400 - 400A - 600V KW3250 - 250A - 690V	OTS300 K5 - 300A - 600V OTS300 K5 - 300A - 600V

UL 508 and CSA C22.2 No. 14-95

SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 10000 rms SYMMETRICAL AMPERES, 600 VOLTS MAXIMUM WHEN PROTECTED BY 300 AMP MAX CLASS K5 FUSES, 175% TIME DELAY FUSES OR INVERSE-TIME CIRCUIT BREAKERS (THERMAL MAGNETIC).