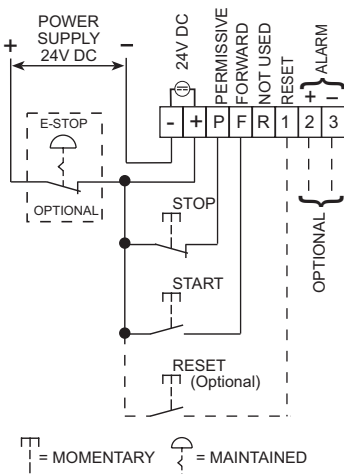


IEC

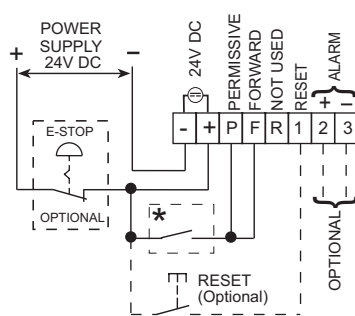
Non - Reversing Starter

E - Frame
105mm

3-Wire Control



2-Wire Control



CONTROL POWER / 24 VOLTS DC ONLY

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

Inrush: 140 watts, 5.8 amps, 85 msec duration
Sealed: 5.6 watts, 0.23 amps

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

Example: Inrush watts @ -25°C
 $140[1.1 - .005(-25)] = 172$ watts

24V DC POWER SUPPLY REQUIRED

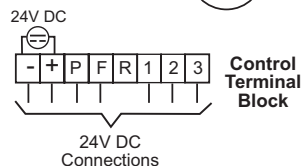
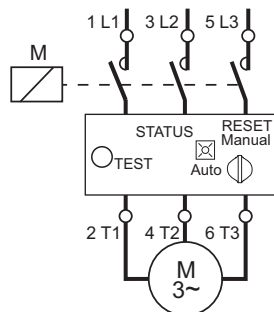
Select supply based on power required per device
Recommend Cutler-Hammer PS Series

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 Line Side Lug Cover
before wiring of L1, L2, & L3.

**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

(4) Screws: M4 x 40mm or #8 x 1.5 in	105mm [4.13 in]
	33.8mm [1.33 in]

1 Wire per Terminal	16 - 120mm ²	[6 - 250 MCM]
2 Wires per Terminal	16 - 70mm ²	[6 - 3/0 Awg]
Strip Length	Driver	Torque (Max.)
		
21mm [0.8 in]	Hex Key 8mm [5/16 in]	28 N-m [250 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]

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'	10000A @ 480V	LD3600 - 600A - 600V	AJT450 Class J - 450A - 600V A4BY800 Class L - 800A - 600V
	10000A @ 600V	KW3400 - 400A - 690V	AJT300 Class J - 300A - 600V OTS350 K5 - 350A - 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 THE MAXIMUM FUSE PER THE ABOVE TABLE OR INVERSE-TIME CIRCUIT BREAKERS (THERMAL MAGNETIC).