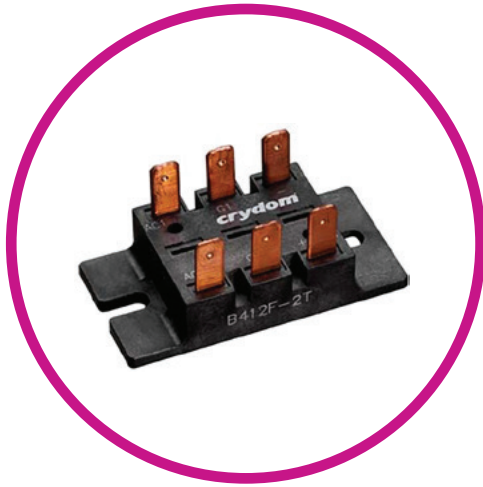




| B48-2T / B48-2 SERIES

POWER MODULES



Features

- Single and Three Phase Circuits
- 3 Different Circuits to Choose from
- Up to 1600 Volt Blocking Standard
- UL Recognized E72445

SPECIFICATIONS

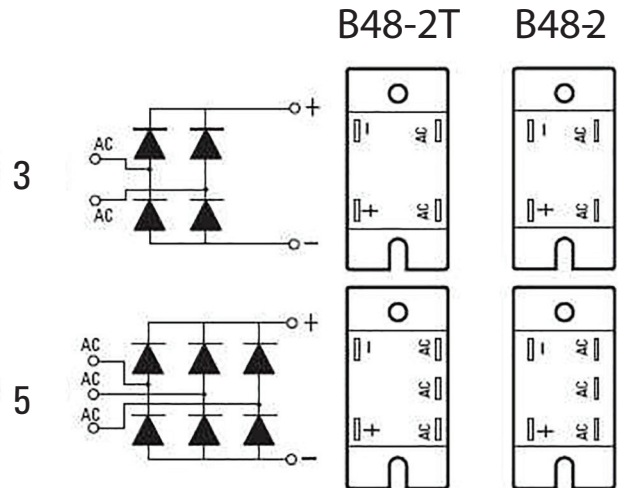
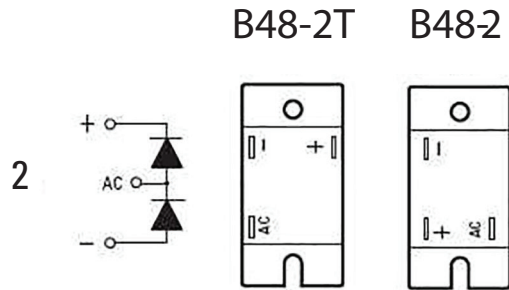
Output

	Symbol	Single Phase	Three Phase
Maximum DC Output Current ($T_c = 85^\circ\text{C}$)	I_D	35A	50A
Maximum Voltage Drop @ Amps Peak	V_F	1.25V @ 35A	1.35V @ 50A
Operating Junction Temperature Range	T_J	-40 - 125°C	-40 - 125°C
Repetitive Peak Reverse Voltage (AC Line Nominal) [Vpk]		600 (240 VAC)	
		1200 (480 VAC)	
Maximum Non-Repetitive Surge Current (1/2 Cycle, 60 Hz)	I_{TSM}	600	600
Maximum I^2t for Fusing ($t=8.3\text{ms}$) [A^2sec]	I^2t	1500	1500
Maximum Thermal Resistance, Junction to Ceramic Base per Chip [$^\circ\text{C}/\text{W}$]	R_{JC}	0.9°C/W	0.9°C/W
Isolation Voltage [V_{rms}]	V_{ISOL}	2500	

General

Description	Parameters
Weight (typical)	1.5 oz (42.5g)

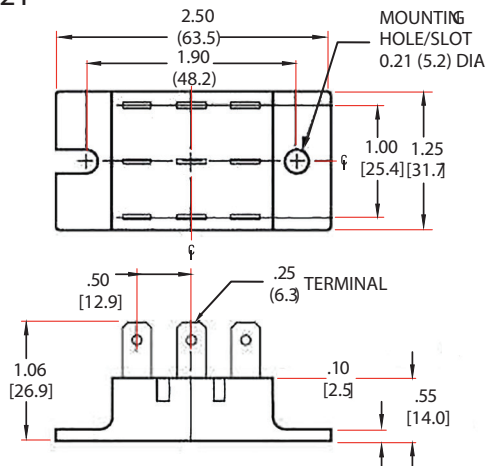
CIRCUIT DIAGRAMS



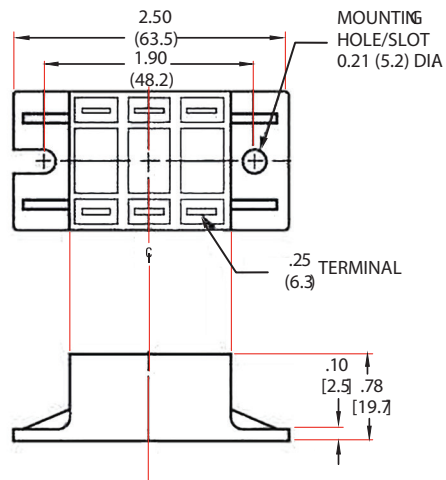
MECHANICAL SPECIFICATIONS

*Tolerances: ± 0.02 in / 0.5 mm All dimensions are in: inches [millimeters]

B48-2T



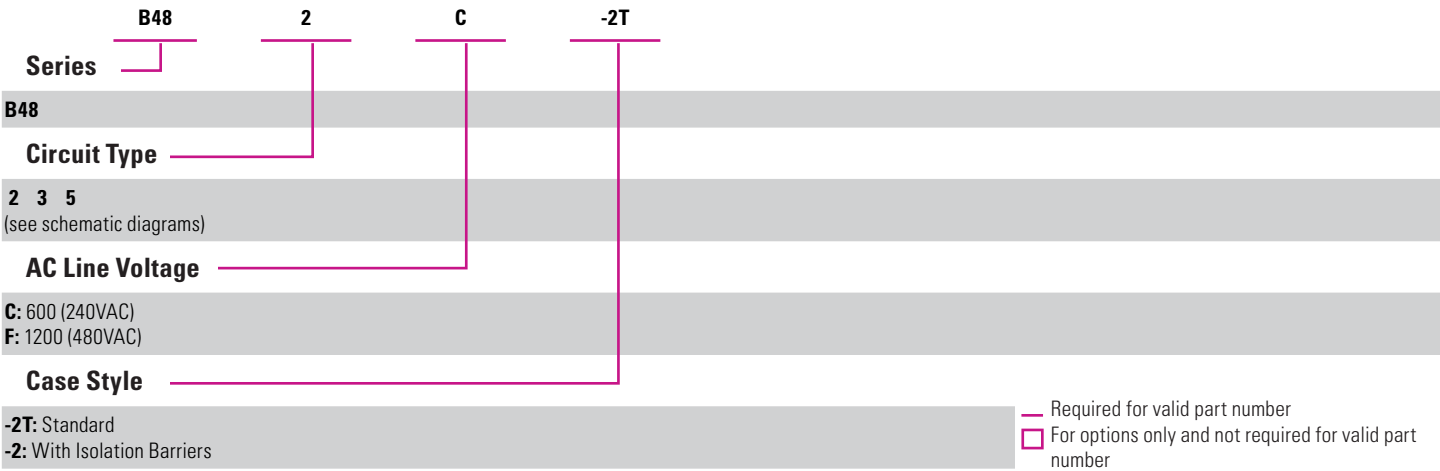
B48-2



AVAILABLE OPTIONS

Example : B482C-2T

NOTE: Not all combinations are available.
Consult factory for information on the availability of a specific part number.



AGENCY APPROVALS & CERTIFICATIONS



WARNINGS



RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

Failure to follow these instructions can result in serious injury, or equipment damage.



HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

Failure to follow these instructions will result in death or serious injury.

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