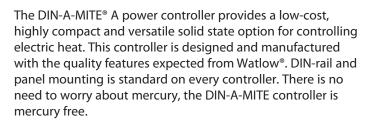




Compact Solid State Power Controller Delivers Big Performance



Features include single-phase zero cross switching up to 25 amperes at 600VAC (see rating curve). A unique integrated design removes the guesswork associated with selecting a proper heat sink and adequate terminations for the application.

Variable time-base, 4-20mA process control and VAC/VDC input contactor versions are available. All options are model number dependent and factory configurable. This power controller also includes 200KA short circuit current rating (SCCR) tested up to 480VAC to minimize damage in the event of a short circuit when used with required fusing.





Features and Benefits

200KA SCCR with proper fusing

Minimizes damage in the event of a short circuit

DIN-rail and panel mounting

Provides versatility and quick, low-cost installation

Compact size

Reduces panel space and cost

Touch-safe terminals

Increases safety for installer and user

Mercury free

Assures environmental safety

Faster switching with solid state

Saves energy and extends heater life

UL® 508 listed, C-UL®, RoHS 2 and CE with filter

- · Meets applications requiring agency approval
- · Reduces end product documentation cost

Back-to-back SCR design

Ensures a rugged design

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 $\ensuremath{\mathsf{UL}}^{\ensuremath{\mathsf{e}}}$ and C-UL® are registered trademarks of the Underwriter's Laboratories, Inc.

Powered by Possibility







Specifications

Operator Interface

- Control input
- Input indication LED

Amperage

- Single-phase, see the output rating curve
- Max. I²t for fusing: 4000A²sec
- Latching current: 400mA max.
- · Holding current: 200mA max.
- · Power dissipation is 1.2 watts per ampere switched
- 200KA SCCR, Type 1 and 2 approved with the recommended fusing; see user manual.

Line Voltage

- 24 to 660VAC model number dependent; see ordering information
- Off-state leakage: 1mA at 77°F (25°C) max.
- 50/60Hz independent

Control Mode, Zero Cross

- · Control option C: VDC input, contactor output
- Control option K: VAC input, contactor output
- · To increase service life on contactor models, the cycle time should be less than three seconds
- Control option F: 4 to 20mA DC input, variable time-base control output (3 cycles on, 3 cycles off at 50% power)

Control Input

- AC contactor: 24VAC ±10%, 120VAC +10/-25%, 240VAC +10/-25% @ 25mA max.
- DC contactor: 4.5 to 32VDC: max. current @ 4.5VDC is 8mA
- Loop powered linear current 4 to 20mA DC: loop-powered, control option F0 only (requires current source with 8.0VDC available, no more than two DIN-A-MITE inputs can be connected in series)

Agency Approvals

• CE with proper filter:

204/108/EC Electromagnetic Compatibility Directive EN 61326-1: Industrial Immunity Class A Emissions 2006/95/EC Low Voltage Directive **EN 50178 Safety Requirements** Installation category III, pollution degree 2

دلابان UL® 508 listed and C-UL® File E73741

- 2011/65/EU RoHS 2

Part Number

Control Input Terminals

- Compression: will accept 24 to 16 AWG (0.2 to 1.5 mm²) wire **Line and Load Terminals**
- Compression: will accept 18 to 8 AWG (0.8 to 8.4 mm²) wire **Operating Environment**
- -4 to 176°F (-20 to 80°C); see the output rating curve chart for your application
- 0 to 90% RH (relative humidity), non-condensing
- Insulation tested to 3,000 meters
- Units are suitable for "Pollution degree 2"

Mounting

Options include DIN-rail or standard back panel mounting

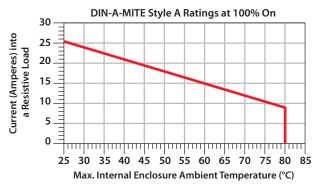
- DIN EN 50022, 35 mm by 7.5 mm
- · Mount cooling fins vertically

Dimensions

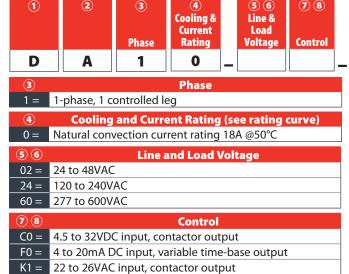
- 3.7 in. (94 mm) high x 2.0 in. (50 mm) wide x 3.9 in. (98 mm) deep
- Weight: 0.71 lb (0.32kg)

Specifications are subject to change without notice.

Output Rating Curve



Ordering Information



9	10	11 12
	User Manual	Custom Options
0		

10	User Manual
0 =	English
1 =	German
2 =	Spanish
3 =	French
11 (12)	Custom Options
00 -	Standard part

11 (12)	Custom Options	
00 =	Standard part	
XX =	Any letter or number, custom options	

Recommended Fuses and Fuse Holders Semiconductor Fuses and **DFJ Combination Fuses and**

Holders		Holde	
Part Nbr.	Description	F	
17-8025	25A fuse	080	
17-5110	10-25A holder	080	

Holders				
Part Nbr.	Description			
0808-0325-0020	20A fuse			
0000 0225 0020	20A fuco			

K2 = 100 to 120VAC input, contactor output