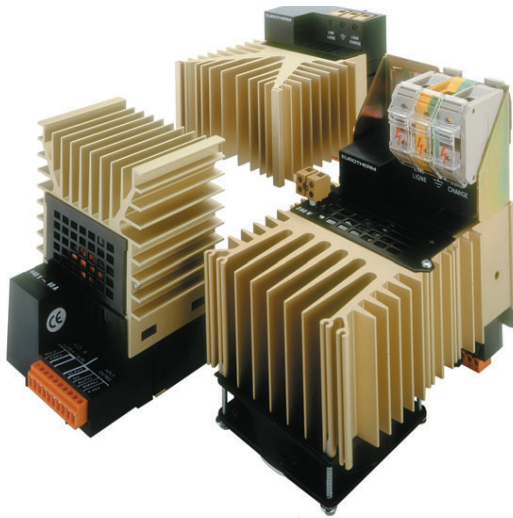


# 425S

## Single Phase Solid State Contactor



The rugged, reliable and safe 425S Solid State Contactor extends single phase power control to 125A in a variety of voltages. This heavy duty unit is ideal for low temperature coefficient resistive loads. It can be back-of-panel or DIN Rail mounted. The 425S is compatible with the REMIO digital communications interface.

### Ordering codes

425S	1	2	3	4	5
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6	7	8	00
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1	Current			
15A	15 amps	75A	75 amps	
25A	25 amps	100A	100 amps *	
40A	40 amps	125A	125 amps *	
63A	63 amps			

\* Fan cooled (fan consumption 15 watts)

2	Voltage	
120V	120 volts	
240V	240 volts	
415V	415 volts	
440V	440 volts	
480V	480 volts	
500V	500 volts	

3	Fan Supply	
000	no fan (up to 75A)	
100V	100 volts	
110V120	110 to 120 volts	
200V	200 volts	
220V240	220 to 240 volts	

4	Input (Logic signal)	
LGC	DC	
ACL	AC	

5	Language	
ENG	English	
FRA	French	
GER	German	

6	Option	
00	no PLF detection relay	
PLF	open in alarm	
IPF	closed in alarm	

7	Filter	
-	none	
FILT	internal filter (75-125A)	

8	Fuse	
FUSE	fuse without microswitch	
MSFU	fuse with microswitch	
NONE	no fuse	

Note: Partial load failure option only available with DC input.

External fuses and holders may be ordered separately, see pages 3-47 to 3-49.

### Features

- 15–125 amps, 500Vac max.
- DIN rail or panel mounting
- AC and DC logic inputs
- partial load failure detection

### Specifications

#### Ratings:

*Current:* 15A, 25A, 40A, 63A, 75A, 100A, 125A

*Voltage:* 120V, 240V, 415V, 440V, 480V, 500V

#### Dimensions:

15A: 134H x 98W x 94D mm, 0.6kg

25A: 134H x 98W x 130D mm, 0.8kg

40A: 134H x 116W x 155D mm, 1.2kg

63A: 134H x 116W x 155D mm, 1.2kg

75A: 190H x 117W x 190D mm, 2.0kg

100A: 190H x 117W x 190D mm, 2.0kg

125A: 190H x 117W x 190D mm, 2.0kg

#### Load type:

resistive

#### Inputs:

*DC Logic voltage:* 10V (>8V ON: <2V OFF)

320Ω or 24V (>16V

ON : <2V , OFF), input

impedance 1.6KΩ

*DC Logic-current:* 20mA (>5mA ON: <0.5mA

OFF), input impedance 10Ω

*AC Logic-voltage:* 24V (>20V ON: <6V OFF)

2KΩ or 48V (>30V ON:

<10V OFF), input impedance

3KΩ 240V (>90V ON: <35V

OFF), input impedance 9.3KΩ

#### Firing mode:

zero voltage switching (synchronized to line)

#### Operating temperature:

0 to 45°C

#### Mounting:

Panel, symmetrical or asymmetrical DIN rail