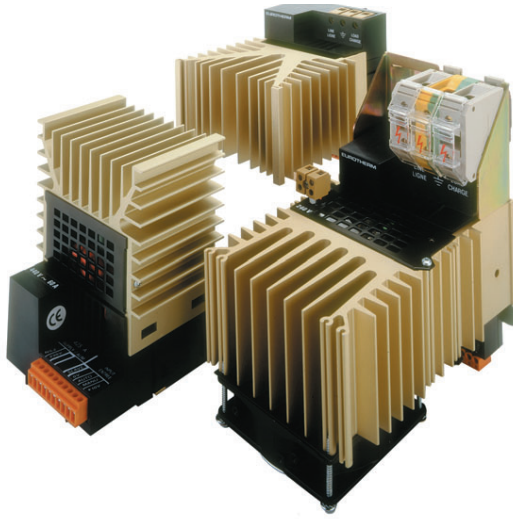


425S

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
6	7	8	00		

1	Current
15A	15 amps
25A	25 amps
40A	40 amps
63A	63 amps
75A	75 amps
100A	100 amps *
125A	125 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
110V/120	110 to 120 volts
200V	200 volts
220V/240	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