



SO4 proportional controllers

- Analog switching SSR for resistive load power control with phase angle principle
- Overvoltage protection by varistor
- 4-20mA control current or 0-10V voltage output
- IP20 protection cover (*removable*)
- Control status LED

type	switching current	switching voltage	peak voltage	control voltage	description
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SO4 series proportional controllers (H) 58.5 x (W) 45 x (D) 30 mm

4-20mA control current input

SO465420	50A	200 - 480 VAC	1200V	4-20mA	proportional output SSR
SO467420	75A	200 - 480 VAC	1200V	4-20mA	proportional output SSR
SO468420	95A	200 - 480 VAC	1200V	4-20mA	proportional output SSR

0-10V analog input

- Control supply voltage 8-30Vdc

SO465020	50A	200 - 480 VAC	1200V	0-10V	proportional output SSR
SO468020	75A	200 - 480 VAC	1200V	0-10V	proportional output SSR
SO469020	95A	200 - 480 VAC	1200V	0-10V	proportional output SSR

Potentiometer analog input

- Control supply voltage 8-30Vdc

SO465320	50A	200 - 480 VAC	1200V	potentiometer	proportional output SSR
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SO3 series fast burst control mode (μ P based) (H) 58.5 x (W) 45 x (D) 30 mm

Particularly suited to resistive loads with low thermal inertia like short wave Infra Red sources (IR lamps). It permits very fine control of power according to the analog input signal while reducing noise emission level (*EMC conducted emissions*).

- 0-10V Analog input voltage

SO367001	75A	160 - 450 VAC	1200V	0-10V	fast burst control SSR
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DC solid state relays DC-in, DC-out (H) 58.5 x (W) 45 x (D) 30 mm

SOM range

Designed to switch DC loads e.g. solenoid valves, brakes, indicators.

- Latest MOSFET technology generation
- Ultra low on-state resistance
- Low output leakage current and control current
- Built-in overvoltage protection

SOM020100	20A	5 - 60 VDC	100V	3.5 - 32 VDC	DC output SSR
SOM040200	40A	5 - 110 VDC	200V	3.5 - 32 VDC	DC output Solid State Relay

Accessories for above SO series relays

type	thermal characteristics	description	dimensions (mm)		
			(H)	(W)	(D)

Heatsinks SSR ratings are based on sufficient cooling by the use of heatsinks

WF151200	2.2K/W	DIN rail mountable heatsink	80	45	72
WF108110	1.1K/W	DIN rail mountable heatsink	90	98	81
WF115100	0.9K/W	DIN rail mountable heatsink	110	90	100

5TH23000	thermal transfer pads	for mounting SO relays onto heatsinks			
1LD12020	DIN rail adaptor	for direct rail mounting of SO relays			