



SO465420



SOM040200



SCI0251700



WF151200

**SO4 series - Proportional controllers**

- Analog switching SSR for resistive load power control (*phase angle principle*)
- Overvoltage protection by varistor
- 4-20mA / 0-10V / Potentiometer control
- IP20 protection cover (*removeable*)
- Control status LED

type	thyristor rating	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**

<b>SO465420</b>	50A	200 - 480 VAC	—	4-20mA	proportional output SSR
<b>SO467420</b>	75A	200 - 480 VAC	—	4-20mA	proportional output SSR
<b>SO468420</b>	95A	200 - 480 VAC	—	4-20mA	proportional output SSR
<b>SO469420</b>	125A	200 - 480 VAC	—	4-20mA	proportional output SSR

**0-10V Analog input**

- Control supply voltage 8 - 30 VDC

<b>SO465020</b>	50A	200 - 480 VAC	—	0-10V	proportional output SSR
<b>SO468020</b>	95A	200 - 480 VAC	—	0-10V	proportional output SSR
<b>SO469020</b>	125A	200 - 480 VAC	—	0-10V	proportional output SSR

**Potentiometer analog input**

- Control supply voltage 8 - 30 VDC

<b>SO465320</b>	50A	200 - 480 VAC	—	potentiometer	proportional output SSR
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**DC Solid State Relays**

DC-in, DC-out

**MOSFET technology**

**SOM series - Latest MOSFET technology generation**

(H) 58.5 x (W) 45 x (D) 30 mm

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

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

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

**IGBT technology - for high DC voltage applications**

**SCI series - Integrated reverse diode**

(H) 58.2 x (W) 45 x (D) 27 mm

<b>SCI0251700</b>	25A	0 - 1700 VDC	1700V	4.5 - 32 VDC	DC output Solid State Relay
<b>SCI0501200</b>	50A	0 - 1200 VDC	1200V	4.5 - 32 VDC	DC output Solid State Relay
<b>SCI100600</b>	100A	0 - 600 VDC	600V	4.5 - 32 VDC	DC output Solid State Relay

**SDI series - Integrated protection**

(H) 157 x (W) 68 x (D) 83 mm

- Overvoltage protection
- Load short circuit protection
- Overload temperature protection

<b>SDI0501700</b>	50A	24 - 940 VDC	1700V	24 - 48 VDC	DC output Solid State Relay
<b>SDI0501710</b>	50A	24 - 940 VDC	1700V	72- 110 VDC	DC output Solid State Relay

**Accessories for above Solid State Relays**

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

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

<b>WF151200</b>	2.2K/W	rail mountable heatsink for SO,SC series relays	80	45	72
<b>WF108110</b>	1.1K/W	rail mountable heatsink for SO,SC series relays	98	90	81
<b>WF115100</b>	0.9K/W	rail mountable heatsink for SO,SC series relays	90	110	100

<b>5TH23000</b>	pads	thermal transfer pads for SO,SC Solid State Relays			
<b>1LD12020</b>	adaptor	adaptor for mounting heat sinks on DIN rail			