



SGB967360E



SGT967360E



SLA02220

Three phase Solid State Relays

All three-phase solid state relays incorporate new high efficiency back to back thyristors on output with TMS² technology for a long lifetime expectancy and high surge currents.

- Three phase zero cross solid state relays
- Control status LED
- Conforms to: IEC/EN 60947-4-3, CEI 62314, UL-cUL

type	switching current	switching voltage	peak voltage	control voltage	description
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SGB series two leg three-phase relays (H) 75.2 x (W) 100 x (D) 46 mm

Designed for controlling three-wire three-phase loads connected in star or delta (*if balanced without neutral*). Two of the three phases are switched by the SSR and the third being directly connected.

- Three phase zero cross solid state relay with one direct connected phase
- Designed for resistive loads

SGB965360E	3x50A	24 - 600 VAC	1200V	10 - 30 VDC	zero cross for resistive loads
SGB967360E	3x75A	24 - 600 VAC	1200V	10 - 30 VDC	zero cross for resistive loads

SGT series three-phase solid state relays (H) 75.2 x (W) 100 x (D) 46 mm

Designed for controlling three-wire three-phase loads.

- Three phase zero cross solid state relay
- Designed for resistive loads (AC-51)

DC control

SGT965360E	3x50A	24 - 600 VAC	1200V	10 - 30 VDC	zero cross for resistive loads
SGT967360E	3x75A	24 - 600 VAC	1200V	10 - 30 VDC	zero cross for resistive loads
SGT968360E	3x95A	24 - 600 VAC	1200V	10 - 30 VDC	zero cross for resistive loads
SGT769390E	3x125A	24 - 520 VAC	1200V	8.5 - 30 VDC	random for most loads

AC control

SGT967960E	3x75A	24 - 600 VAC	1200V	90 - 240 VAC	zero cross for resistive loads
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Accessories for above three-phase series relays

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

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

WF115100	0.9K/W	DIN rail mountable heatsink	110	90	100
1K199000	cover	transparent terminal cover for relays SGB and SGT			

PCB mount miniature solid state relays

PCB range solid state relays are 100% compatible with 5mm pitch electromechanical relays and can be soldered directly to PCBs or plugged into DIN rail mounted sockets.

- Over-voltage protection on output (RC) high immunity to IEC/EN 61000-4-4

SL range (slim) (H) 15 x (W) 28 x (D) 5 mm

AC output

SLA02220	2A	12 - 280 VAC	600V	7 - 20 VDC	AC slim PCB mount SSR
SLA03220	2A	12 - 280 VAC	600V	18 - 32 VDC	AC slim PCB mount SSR

DC output

SLD02205	4A	0 - 32 VDC	60V	7 - 20 VDC	AC slim PCB mount SSR
SLD03205	4A	0 - 32 VDC	60V	18 - 32 VDC	AC slim PCB mount SSR

SPA range (standard) (H) 15 x (W) 28 x (D) 5 mm

- Pin to pin compatible with electromechanical relays
- AC and non-polarised control
- Integrated clamping voltage

AC output

SPA07420	4A	12 - 275 VAC	600V	12 - 30 VDC	AC std PCB mount SSR
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ST range (low profile) (H) 15.7 x (W) 29 x (D) 12.7 mm

STA07220	2A	12 - 275 VAC	600V	12 - 30 VDC	AC output solid state relay
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