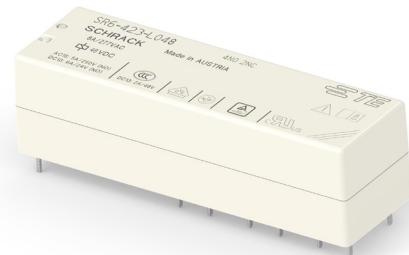


INTRODUCING

SCHRACK FORCE GUIDED RELAYS SR6 NEXT GENERATION

- Force guided contacts monitor the state of a contact with a diagnostic coverage of 99% (IEC 61508-2) which makes them ideal to design safety circuits
- Fully automated and compatible successor of SR6 A/B/C/D/M/V series



TE Connectivity (TE) introduces SCHRACK force guided relays SR6 next generation. The SR6nG is a fully compatible successor of TE's force guided relay series SR6A/B/C/V/D/M. With its force guided contacts the state of a contact can be monitored with a diagnostic coverage of 99% (IEC 61508-2) which makes the SR6nG ideal to design safety circuits. The minimum contact load of 5V / 1mA allows direct monitoring through controller input. A more sensitive monostable magnetic coil system reduces heat generation. The relay height of 15.7mm fits best in 22.5mm DIN rail housings.

BENEFITS

- Relay height of 15.7mm for best fit in 22.5mm DIN rail housing
- Minimum contact load of 5V/1mA allows direct monitoring through controller input
- Sensitive monostable magnetic coil system to reduce heat generation

KEY FEATURE

- Monostable relay with 6 (4) force guided contacts acc. to IEC 61810-3
- Circuits of up to 400V can be connected. Contacts can switch up to 8A or 2200VA
- Creepage and clearance distances allow reinforced isolation (IEC EN 62477) not just between coil and contacts but also between all contacts

APPLICATIONS

- Safety relay modules
- Safety controllers, PLC's
- Machines, presses, robots
- Emergency shut-off, light barriers
- Elevator and escalator safety control
- Railway level crossings, signaling

ELECTRICAL

- IEC 60947-4-1: AC1-8A/250V 100k cycles @85°C
- EN 60947-5-1: AC15-5A/230V; DC13-6A/24V (NO)
- UL 61810: 8A GP, B300; R300 @85°C

MECHANICAL

- LxWxH 55 x 16.5 x 15.7mm
- Shock and vibration resistance (IEC 60068-2) NO/NC: 20g/2g

STANDARDS

- Dielectric strength coil-contacts 4000Vrms; adjacent contacts (6pole) 3000Vrms

APPROVALS

- VDE Cert. No. 40055844
- TUV 968/FSP 2469.00/22
- UL E214025 Vol.9 Sec.6
- CCC 2022000303000046

LEARN MORE

- [SCHRACK FGR product page](#)
- [SCHRACK FGR SR6 \(4 pole\) product page](#)
- [SCHRACK FGR SR6 \(6 pole\) product page](#)
- [SCHRACK FGR SR6nG flyer](#)
- [SCHRACK FGR SR6nG image](#)