

FORCE GUIDED RELAY - SRL7

TE Connectivity (TE)'s introduced the SRL7 force guided relay with seven poles that have reinforced insulation between contact circuits and come in a compact, space efficient design. The SRL7 relay enables more circuits and combinations of high and low voltage circuits and have high electrical endurance. Force guided Relays are key electromechanical switching components used within safety module circuits. They are also components of door positioning, cabinet lighting and motor sub-systems within the module control unit of elevators and escalators. These Force guided Relays are essential for safety control applications and help protect people's lives & health when danger needs to be addressed in applications.



Applications

- Safety Modules
- Process Technology
- Elevator and Escalator Control
- Emergency shut-off
- Remote Control
- Robotics
- Machine Tools

Electrical

- Rated voltage: 250VAC
- Max. switching voltage: 400VAC
- Rated current: 6A
- Initial dielectric strength: up to 4000Vrms

Mechanical

- Mechanical endurance: 10x10⁶ operations
- Operating temperature: - 40 to 85°C

Product Specifications

- Approvals: VDE Cert. No. 40036240
UL E214025
TÜV 968/EL908.00/13

Materials

- Housing: Plastic
- Contact material: Silver alloy

Key Benefits

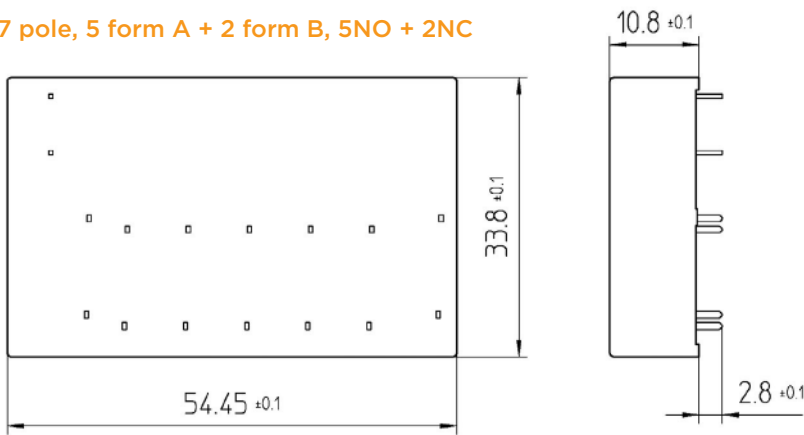
- 7 Poles - 2 NC and 5 NO reinforced insulation on all NO contacts; enables more circuits and combinations of high and low voltage circuits
- Low Coil Power of 700mW low contribution to temperature increase in application; usable in 85°C ambient condition
- Rated Current of 6A high rating for most common applications loads
- High electrical endurance up to double of SR6
- Crown Contacts multiple contact points for high reliability in low load conditions
- Low Relay Height of 10.8mm to leave enough space in standard Safety Modules and enable the possibility of 17.5mm Slim Modules

Product Selection Information

Part Number	Description
2045880-4	SRL7-523-D012
2045880-6	SRL7-523-D018
2045880-7	SRL7-523-D021
2045880-8	SRL7-523-D024

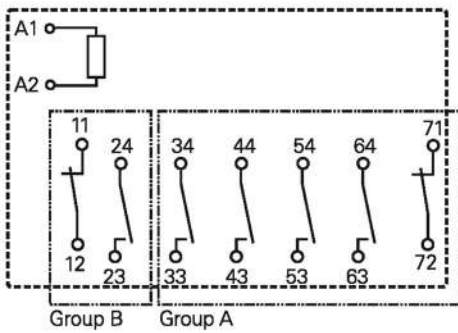
Dimensions

7 pole, 5 form A + 2 form B, 5NO + 2NC



PCB layout / terminal assignment

Bottom view



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