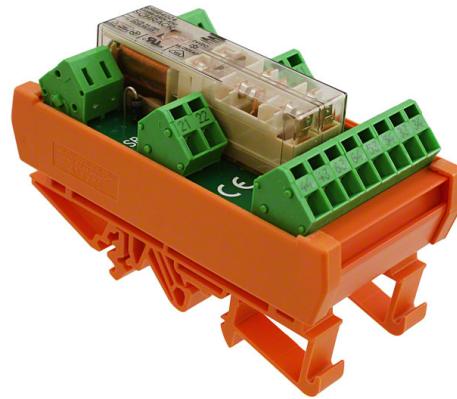


FORCE GUIDED RELAY ON DIN-RAIL SR6 Z

GENERAL PURPOSE RELAYS

FEATURES

- 6 pole relay with force guided contacts according to EN61810-3
- DIN rail mounting
- AC / DC input



APPLICATIONS

- contact monitoring in railway
- elevator and machine controls

APPROVALS

Relay SR6

- VDE, UL, TUV, CQC

Module SR6Z:

- CE

Technical data of approved types on request



FORCE GUIDED RELAY ON DIN-RAIL SR6 Z

General Purpose Relays Force Guided Relays

CONTACT DATA

| | |
|---|---|
| Contact arrangement | 3 form A (NO) and 3 form B (NC), 4 form A (NO) and 2 form B (NC), 5 form A (NO) and 1 form B (NC) |
| Rated voltage | 250VAC |
| Max. switching voltage | 250VAC |
| Rated current | 8 A |
| Contact material | AgSnO ₂ |
| Contact style | single contact, force guided type A according to EN 61810-3 |
| Min. recommended contact load | 5V, 10mA |
| Initial contact resistance | ≤100mΩ at 1A, 24VDC ≤20Ω at 10mA, 5VDC |
| Frequency of operation, with/without load | 6/150min ⁻¹ |
| Contact ratings, IEC60947-5-1, on 1 form A (NO) contact | AC15-5A DC13-6A |
| Mechanical endurance | 10x10 ⁶ operations |

INSULATION DATA

| | |
|--|----------------------|
| Initial dielectric strength | |
| between open contacts | 1000V _{rms} |
| between contact and coil | 3000V _{rms} |
| between adjacent contacts | 2000V _{rms} |
| Clearance/creepage | |
| between open contacts | microdisconnection |
| between contact and coil | ≥5.5/5.5mm |
| between adjacent contacts | ≥2,8 /2.8mm |
| Insulation to EN 62477 (former EN 50178), , type of insulation | |
| between contact and coil | reinforced |
| between adjacent contacts | basic |

COIL DATA

| | |
|---|--|
| Coil voltage range | 6 to 115 VAC/VDC, 230VAC |
| DC energizing voltage U _{rtd} | 6, 12, 18, 21, 24, 36, 40, 48, 60, 115VDC |
| AC/DC energizing voltage U _{rtd} | 24, 115VAC/VDC |
| AC energizing voltage U _{rtd} | 230VAC |
| Operative range | 90 to 110% of U _{rtd} |
| Release voltage (+23°C) | 10% of U _{rtd} |
| Max. coil power DC versions | 1200mW |
| Max. system power AC/DC versions | 2400mVA |

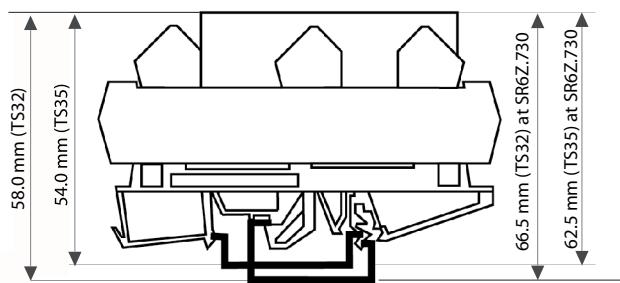
OTHER DATA

| | |
|--------------------------------------|---|
| Material compliance | EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter |
| Ambient temperature | |
| for mounting/handling | 0 to 40°C |
| in operation | -25 to 50°C |
| SR6ZC 730 only | -25 to 40°C |
| Terminal type | screwless clamp connectors |
| Wire cross section | |
| solid wire | 2.5mm ² |
| stranded wire | 2.5mm ² |
| stranded wire with bootlace crimp | 1.5mm ² |
| Mounting position | any |
| Weight | 90 g |
| Packaging unit | 2 |

FORCE GUIDED RELAY ON DIN-RAIL SR6 Z

General Purpose Relays Force Guided Relays

DIMENSIONS (Unit: mm)

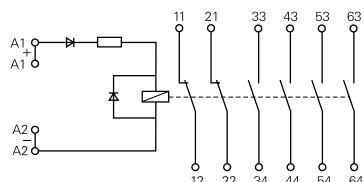


Module width 46 mm
Module length 87 mm

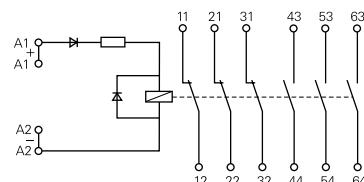
Fit onto mounting rails according to
DIN EN 60175

TERMINAL ASSIGNMENT

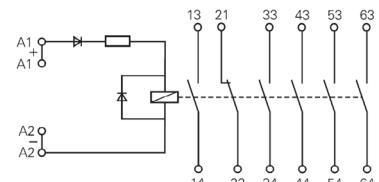
DC module, 4 NO+2 NC version



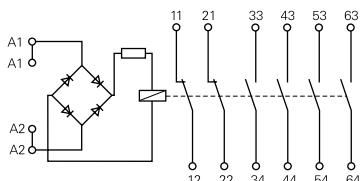
DC module, 3 NO+3 NC version



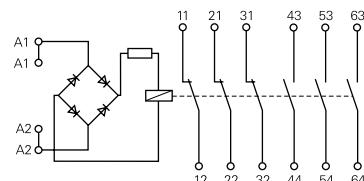
DC module, 5 NO+1 NC version



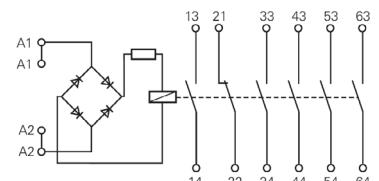
AC/DC module, 4 NO+2 NC version



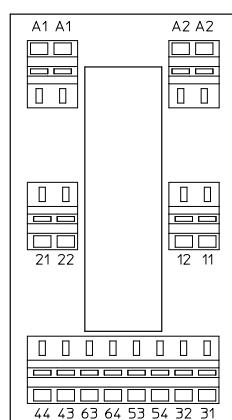
AC/DC module, 3 NO+3 NC version



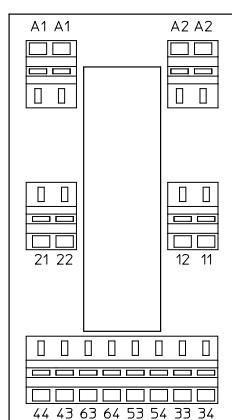
AC/DC module, 5 NO+1 NC version



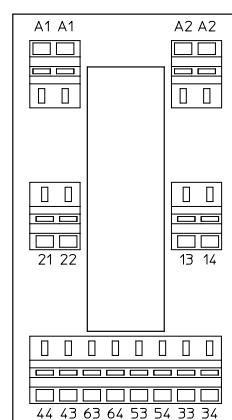
SR6ZA...



SR6ZB...



SR6ZC...



PRODUCT CODE STRUCTURE

| Part Number | |
|----------------------------|--|
| SR6Z B 024 | |
| Type | |
| SR6Z | Relay with force guided contacts on DIN-rail SR6 Z |
| Contact arrangement | |
| A | 3 form A (NO) + 3 form B (NC) contacts |
| B | 4 form A (NO) + 2 form B (NC) contacts |
| C | 5 form A (NO) + 1 form B (NC) contacts |
| Coil | |
| DC Coil code | rated coil voltage (e.g. 024=24 VDC) |
| AC/DC coil code: | 524=24 VAC/VDC, 615=115 VAC/VDC |
| AC coil code: | 730=230 VAC |
| Other types on request | |

PRODUCT INFORMATION

| Product code | Type | Contact configuration | Contact material | Coil | Part number | |
|--------------|----------------------------------|---|--------------------|------------|-----------------------------|--|
| SR6ZA024 | 6-pole force guided relay module | 3 form A + 3 form B 3 NO + 3 NC contacts | AgSnO ₂ | 24VDC | 7-1415033-1 | |
| SR6ZA524 | | | | 24VAC/VDC | 9-1415059-1 | |
| SR6ZA615 | | | | 115VAC/VDC | 1415060-1 | |
| SR6ZA730 | | | | 230VAC | 1-1415060-1 | |
| SR6ZB024 | | 4 form A + 2 form B 4 NO + 2 NC contacts | | 24VDC | 5-1415033-1 | |
| SR6ZB524 | | | | 24VAC/VDC | 2-1415060-1 | |
| SR6ZB615 | | | | 115VAC/VDC | 6-1415046-1 | |
| SR6ZB730 | | | | 230 VAC | 3-1415060-1 | |
| SR6ZC024 | | 5 form A + 1 form B 5 NO + 1 NC contacts | | 24VDC | 3-1415042-1 | |
| SR6ZC524 | | | | 24VAC/VDC | 4-1415060-1 | |
| SR6ZC615 | | | | 115VAC/VDC | 5-1415060-1 | |
| SR6ZC730 | | | | 230VAC | 6-1415060-1 | |

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