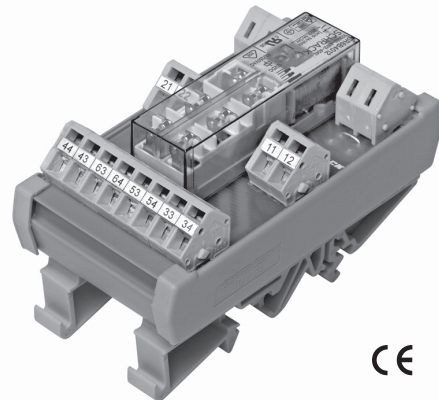


## Force Guided Relay on DIN-rail SR6 Z

- 6 pole relay with force guided contacts according to EN50205
- DIN rail mounting
- AC / DC input

Typical applications  
contact monitoring in railway, elevator and machine controls



CE

F0238-C

### Approvals

relay SR6: VDE, UL, TUV, CQC  
module SR6Z: CE  
Technical data of approved types on request

### 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	8A
Contact material	AgSnO <sub>2</sub>
Contact style	single contact, force guided type A according to EN 50205
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 <sup>-1</sup>
Contact ratings, IEC60947-5-1, on 1 form A (NO) contact	AC15-5A DC13-6A
Mechanical endurance	10x10 <sup>6</sup> operations

### Coil Data

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

### Insulation Data

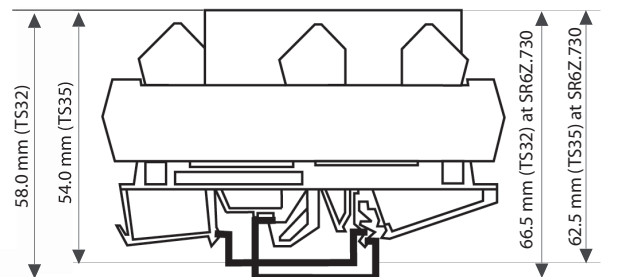
Initial dielectric strength	
between open contacts	1000V <sub>rms</sub>
between contact and coil	3000V <sub>rms</sub>
between adjacent contacts	2000V <sub>rms</sub>
Clearance/creepage	
between open contacts	microdisconnection
between contact and coil	≥5.5/5.5mm
between adjacent contacts	≥2.8 /2.8mm
Insulation to EN 50178, type of insulation	
between contact and coil	reinforced
between adjacent contacts	basic

### Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content  
refer to the Product Compliance Support Center at  
[www.te.com/customer-support/rohssupportcenter](http://www.te.com/customer-support/rohssupportcenter)

Ambient temperature	0 to 40°C
for mounting/handling	-25 to 50°C
in operation	-25 to 40°C
SR6ZC 730 only	-25 to 40°C
Terminal type	screwless clamp connectors
Wire cross section	
solid wire	2.5mm <sup>2</sup>
stranded wire	2.5mm <sup>2</sup>
stranded wire with bootlace crimp	1.5mm <sup>2</sup>
Mounting position	any
Weight	90g
Packaging unit	2

### Dimensions



S0423-A

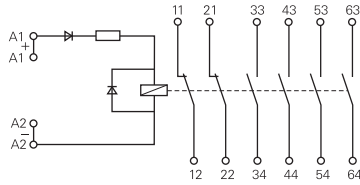
Module width 46 mm  
Module length 87 mm

Fit onto mounting rails according to  
DIN EN 60175

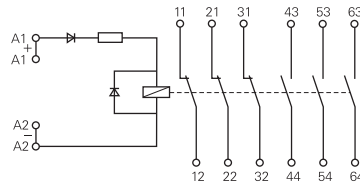
## Force Guided Relay on DIN-rail SR6 Z (Continued)

### Terminal assignment

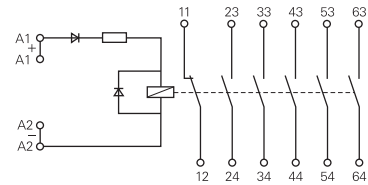
DC module, 4 NO+2 NC version



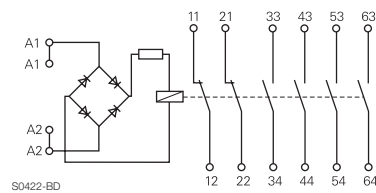
DC module, 3 NO+3 NC version



DC module, 5 NO+1 NC version

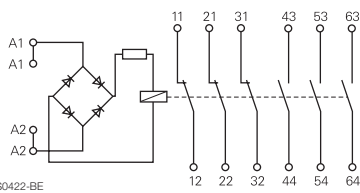


AC/DC module, 4 NO+2 NC version



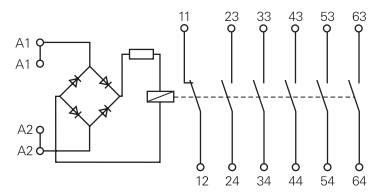
S0422-BD

AC/DC module, 3 NO+3 NC version



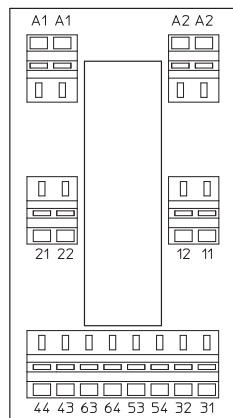
S0422-BE

AC/DC module, 5 NO+1 NC version

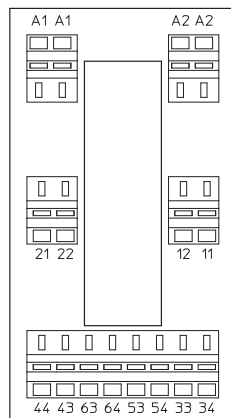


S0422-BF

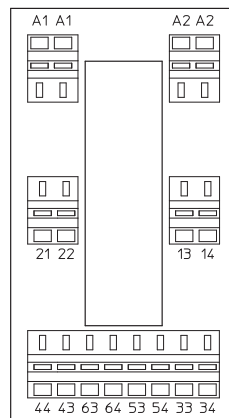
SR6ZA...



SR6ZB...



SR6ZC...



S6Z8004

### Product code structure

Typical product code **SR6Z B 024**

#### Type

**SR6Z** Relay with force guided contacts on DIN-rail SR6 Z

#### Contact configuration

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