

# Force Guided Relay on DIN-rail SR6 Z

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

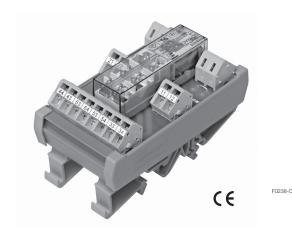
Typical applications contact monitoring in railway, elevator and machine controls



2				
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/withou	t 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>rtd</sub>	6, 12, 18, 21, 24, 36, 40, 48, 60, 115VDC		
AC/DC energizing voltage U <sub>rtd</sub>	24, 115VAC/VDC		
AC energizing voltage U <sub>rtd</sub>	230VAC		
Operative range	90 to 110% of U <sub>rtd</sub>		
Release voltage (+23°C)	10% of U <sub>rtd</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

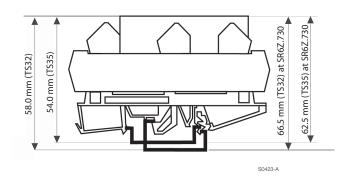


**Other Data** 

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/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 <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**



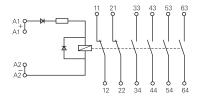
Module width 46 mm Module length 87 mm Fit onto mounting rails according to DIN EN 60175



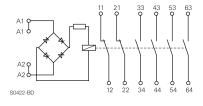
# Force Guided Relay on DIN-rail SR6 Z (Continued)

### Terminal assignment

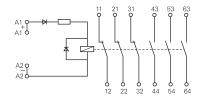
#### DC module, 4 NO+2 NC version



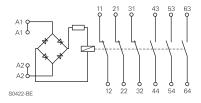
AC/DC module, 4 NO+2 NC version



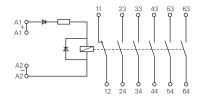
DC module, 3 NO+3 NC version



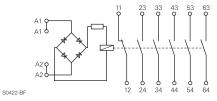
AC/DC module, 3 NO+3 NC version



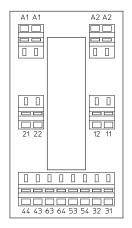
DC module, 5 NO+1 NC version



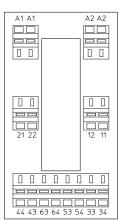
AC/DC module, 5 NO+1 NC version



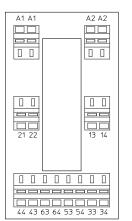
SR6ZA..



SR6ZB.



SR6ZC..



S6Z8004

Typical product code

SR6Z

В

024

### **Product code structure**

**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

Type

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	Туре	Contact configuration	n 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