

Force Guided Relay on DIN-rail SR2 Z

- 2 pole relay with force guided contacts according to EN50205
- DIN rail mounting

Typical applications contact monitoring in railway, elevator and machine controls

	54	
500	CE	F-SR2Z-A

Approvals

Max. coil power Input circuit

Relay SR2M: VDE, UL, TUV, CQC Module SR2Z: CE Technical data of approved types on request

Contact Data			
Contact arrangement	2 form C (CO) contacts		
According EN50205 only 1NO / 1NC (11-14 and 22-21 or 12-11 and			
21-24) shall be used as force guided contacts.			
Rated voltage	250VAC		
Max. switching voltage	250VAC		
Rated current	6A		
Contact material	AgNi		
Contact style	single contact, force guided		
1 form A + B, 1 NO + 1NC	type A according to EN 50205		
2 form C, 2CO	type B according to EN 50205		
Min. recommended contact load	5V/10mA		
Initial contact resistance	e ≤100mΩ at 1A, 24VDC		
	≤20Ω at 10mA, 5VDC		
Frequency of operation, with/without lo	bad 6/300min ⁻¹		
Contact ratings, IEC60947-5-1,			
on 1 form A (NO) contact	AC15-3A		
	DC13-6A		
Mechanical endurance	10x10 ⁶ operations		
Coil Data			
Coil voltage range	24VDC		
Operative range, % of rated coil voltag	e 90 to 110% of U _{rtd}		
Release voltage (+23°C)	10% of U _{rtd}		
Limiting voltage, % of rated coil voltage	e 110%		
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Insulation Data

Initial dielectric strength		
between open contacts	1500V _{rms}	
between contact and coil	4000V _{rms}	
between adjacent contacts	2000V _{rms}	
Clearance/creepage		
between open contacts	microdisconnection	
between contact and coil	≥8/8mm	
between adjacent contacts	≥1/1mm	
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 a			
www.te.com/customersupport/rohssupportcente			
Ambient temperature range			
for mounting/handling	0 to 40°C		
in operation	-25 to 50°C		
Terminal type	screwless clamp connectors		
Wire cross section			
solid wire	2.5mm ²		
stranded wire	2.5mm ²		
stranded wire with bootlace crimp	o 1.5mm ²		
Mounting position	any		
Weight	50g		
Packaging unit	2		

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

700mW

LED

Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change. 1



Force Guided Relay on DIN-rail SR2 Z (Continued)

Terminal assignment



Dimensions

Module width 20 mm Module length 87 mm





Fit onto mounting rails according to DIN EN 60175

Product code structure	Typical product code	SR2Z	Y	024
Type SR2Z Relay with force guided contacts on DIN-rail SR2 Z Contact configuration Y 2 form C (CO) contacts				
Coil DC Coil code = rated coil voltage (e.g. 024=24 VDC) Other types on request				

Product code	Туре	Contact configuration	Coil	Part number
SR2ZY024	2-pole module	2 form C (CO) contacts	24VDC	9-1415536-1

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