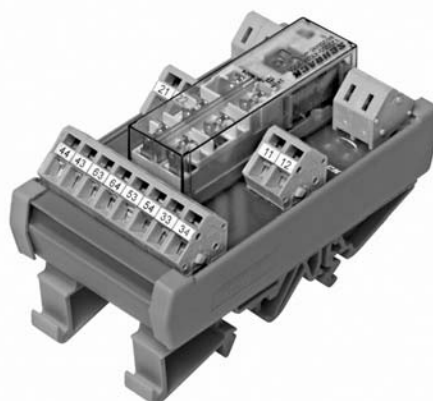


Safety Relay on DIN-rail SR6 Z

- 6 pole 8 A
- SR6 on printed circuit board
- AC/DC input
- Spring connectors
- Module width 46 mm

Applications

Elevator control, machine control



F0238-B

Approvals



Technical data of approved types on request

Contact data

Contact set	single contact, forcibly guided type A according to EN50205
Rated current / limiting continuous current	8 A
Rated voltage / max. switching voltage AC	240 VAC / 240 VAC
Maximum breaking capacity AC	2000 VA
Contact material	AgSnO ₂
Minimum contact load	10 mA / 5 V
Contact resistance	≤100 mOhm / 1 A / 24 VDC ≤20 Ohm / 10 mA / 5 VDC
Mechanical endurance	10x10 ⁶ cycles
Rated frequency of operation with 7 without load	6 min ⁻¹ / 150 min ⁻¹

Coil data

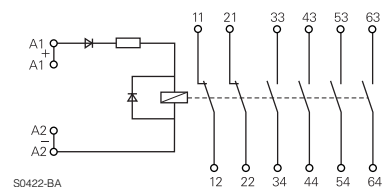
DC energizing voltage U _{rt} d	6, 12, 18, 21, 24, 36, 40, 48, 60, 115 VDC
AC/DC energizing voltage U _{rt} d	12, 21, 24, 40, 48, 60, 115 VAC/VDC
AC energizing voltage U _{rt} d	230 VAC
Input circuit	bridge rectifier, series resistor
Minimum operate voltage, % of rated coil voltage	90%
Minimum release voltage (+23°C), % of rated coil voltage	10%
Limiting voltage, % of rated coil voltage	110%

Insulation

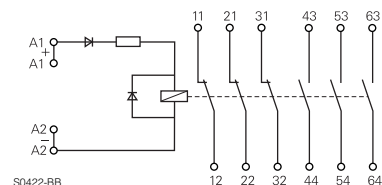
Surge voltage resistance coil-contacts	3000 V _{rms}
open contact circuit	1000 V _{rms}
adjacent contacts	2000 V _{rms}
Clearance / creepage coil-contact	≥ 5.5 / 5.5 mm
adjacent contacts	≥ 3 / 3 mm
Insulation to IEC 60664	
Voltage rating	250 V
Pollution degree	2
Overvoltage category	III

Terminal assignment

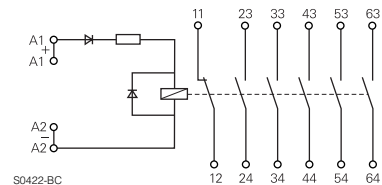
DC module, 4 NO+2 NC version



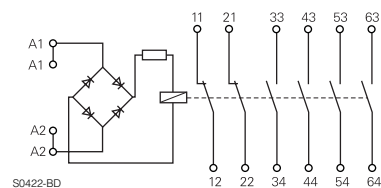
DC module, 3 NO+3 NC version



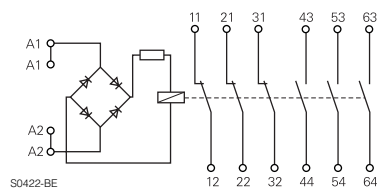
DC module, 5 NO+1 NC version



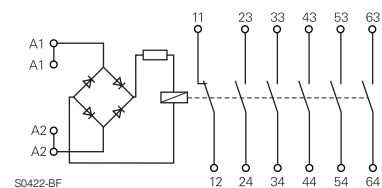
AC/DC module, 4 NO+2 NC version



AC/DC module, 3 NO+3 NC version



AC/DC module, 5 NO+1 NC version



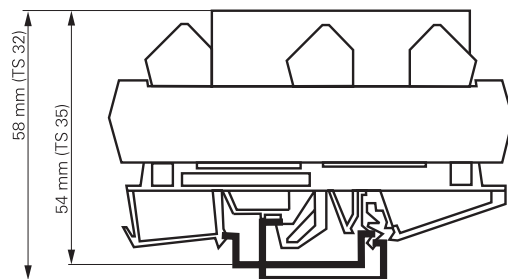
Safety Relay on DIN-rail SR6 Z (Continued)

Other data

Flammability class according to UL 94	
housing	V2
housing cage clamp terminals	V0
PCB	V0
relay base	V0
relay cover	V2
Ambient temperature	-25...+50 °C
Connections (according IEC)	
solid wire	0.2...2.5 mm ²
stranded wire	0.2...2.5 mm ²
AWG	28...14
Installation position	any
Mounting	in rows with zero spacing
Type of connection	spring clamp connection
Relay weight	90 g
Packaging unit	2 pcs

Dimensions

Module width 46 mm
Module length 87 mm



S0423-A

Fit onto mounting rails according to
DIN EN 50022 or DIN EN 50035

Product key

S	R	6	Z				
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Type

Contact configuration

- A** 3 NO + 3 NC contacts
- B** 4 NO + 2 NC contacts
- C** 5 NO + 1 NC contacts

Coil

DC Coil code = rated coil voltage (e.g. 024=24VDC)
AC/DC coil code: 524=24VAC/VDC, 615=115VAC/VDC
AC coil code: 730=230VAC

Other types on request

Product key	Type	Contact configuration	Contact material	Coil	Part number
SR6ZA024	6-pole safety relay module	3 NO + 3 NC contacts	AgSnO ₂	24 VDC	7-1415033-1
SR6ZA524				24 VAC/VDC	9-1415059-1
SR6ZA615				115 VAC/VDC	0-1415060-1
SR6ZA730				230 VAC	1-1415060-1
SR6ZB024		4 NO + 2 NC contacts		24 VDC	5-1415033-1
SR6ZB524				24 VAC/VDC	2-1415060-1
SR6ZB615				115 VAC/VDC	6-1415046-1
SR6ZB730				230 VAC	3-1415060-1
SR6ZC024		5 NO + 1 NC contacts		24 VDC	3-1415042-1
SR6ZC524				24 VAC/VDC	4-1415060-1
SR6ZC615				115 VAC/VDC	5-1415060-1
SR6ZC730				230 VAC	6-1415060-1