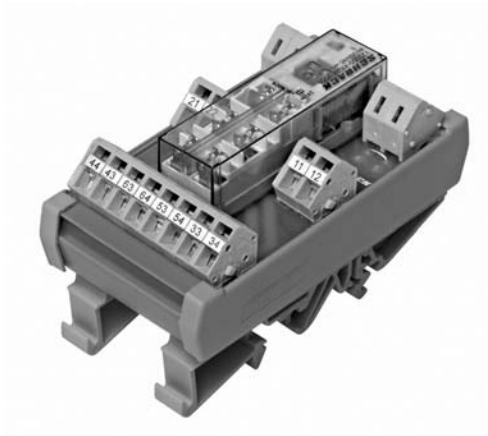
Safety Relay on DIN-rail SR6 Z

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



F0238-B

Applications

Elevator control, machine control

Approvals

CE

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 / without load	6 min^{-1} / 150 min^{-1}

Coil data

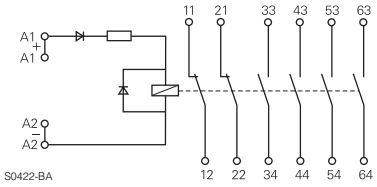
DC energizing voltage Urtd	6, 12, 18, 21, 24, 36, 40, 48, 60, 115 VDC
AC/DC energizing voltage Urtd	12, 21, 24, 40, 48, 60,115 VAC/VDC
AC energizing voltage Urtd	230 VAC
Input circuit	bridge rectifier, series resistor
Minimum operate voltage, % of rated coil voltage	90%
Minimum release voltage (+23°C), % 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

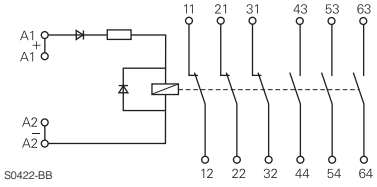
Terminal assignment

DC module, 4 NO+2 NC version



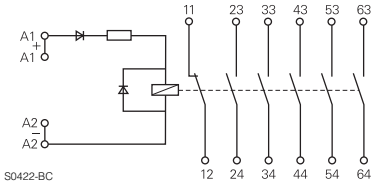
S0422-BA

DC module, 3 NO+3 NC version



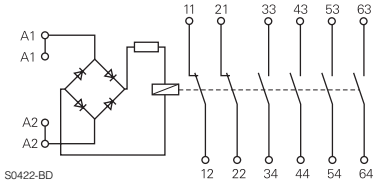
S0422-BB

DC module, 5 NO+1 NC version



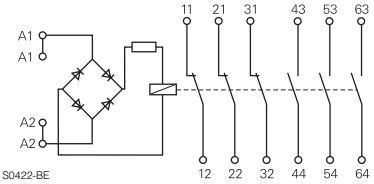
S0422-BC

AC/DC module, 4 NO+2 NC version



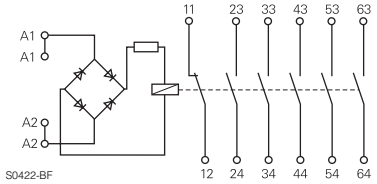
S0422-BD

AC/DC module, 3 NO+3 NC version



S0422-BE

AC/DC module, 5 NO+1 NC version



S0422-BF

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www.schrackrelays.com

Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

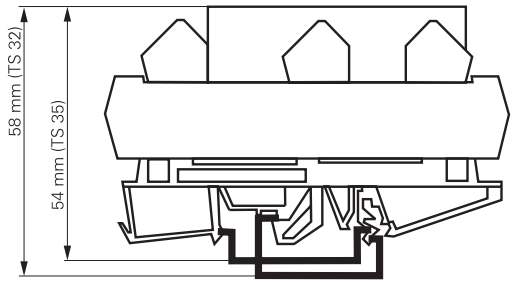
Specifications subject to change.

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 mm2
stranded wire	0.2...2.5 mm2
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				

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	3 NO + 3 NC	$AgSnO_2$	24 VDC	7-1415033-1
SR6ZA524	safety	contacts		24 VAC/VDC	9-1415059-1
SR6ZA615	relay module			115 VAC/VDC	0-1415060-1
SR6ZA730				230 VAC	1-1415060-1
SR6ZB024		4 NO + 2 NC		24 VDC	5-1415033-1
SR6ZB524		contacts		24 VAC/VDC	2-1415060-1
SR6ZB615				115 VAC/VDC	6-1415046-1
SR6ZB730				230 VAC	3-1415060-1
SR6ZC024		5 NO + 1 NC		24 VDC	3-1415042-1
SR6ZC524		contacts		24 VAC/VDC	4-1415060-1
SR6ZC615				115 VAC/VDC	5-1415060-1
SR6ZC730				230 VAC	6-1415060-1

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