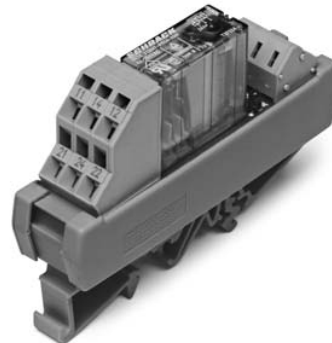## Safety Relay on DIN-rail SR2 Z

■ **2 pole 6 A**
■ **SR2M on printed circuit board**
■ **Screwless clamp connectors**

Applications
Elevator control, machine control

F-SR2Z-A

Contact data

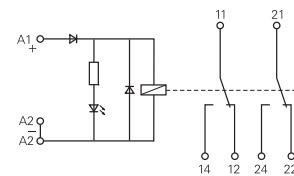|	
Contact set	single contact, forcibly guided type A[1] according to EN50205
Rated voltage / max. switching voltage AC	250 VAC / 250 VAC
Rated current / limiting continuous current	6 A
Maximum breaking capacity AC	1500 VA
Contact material	AgNi
Minimum contact load	10 mA / 5 V
Contact resistance	$\leq$100 mOhm / 1 A / 24 VDC $\leq$20 Ohm / 10 mA / 5 VDC
Rated frequency of operation with 7 without load	6 min^{-1} / 300 min^{-1}

Coil data

DC energizing voltage Urtd	24 VDC
Input circuit	LED
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

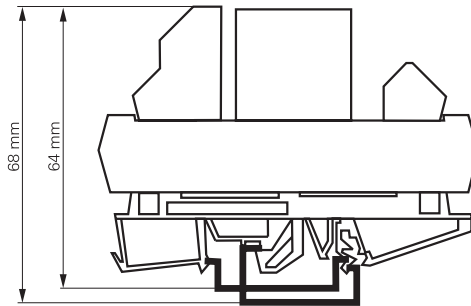|	
Surge voltage resistance coil-contacts	4000 V$_{rms}$
open contact circuit	1000 V$_{rms}$
adjacent contacts	2000 V$_{rms}$
Clearance / creepage coil-contact	$\geq$ 8 / 8 mm
adjacent contacts	$\geq$ 3 / 3 mm
Insulation to IEC 60664	
Voltage rating	250 V
Pollution degree	2
Overvoltage category	III

Terminal assignment

S0532-A

[1] According to EN50205 only 1NO / 1NC (11-14 and 22-21 or 12 -11 and 21 - 24) shall be used as forcibly guided contacts.

Safety Relay on DIN-rail SR2 Z (Continued)

Other data

Mechanical endurance	10×10^6 cycles
Material	
RoHS - Directive 2002/95/EC	compliant
Environment	
Ambient temperature	-25...+50 °C
Processing	
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	screwless clamp connectors
Relay weight	50 g
Packaging unit	2 pcs

Dimensions

Module width 20 mm
Module length 87 mm

68 mm
64 mm

S0533-A

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

Product key

Typical product key **SR2Z** **Y** **024**

Type	
SR2Z	Safety Relay on DIN-rail SR2 Z
Contact configuration	
Y	2 CO contacts (2 form C)
Coil	
	DC Coil code = rated coil voltage (e.g. 024=24 VDC)

Other types on request

Product key	Type	Contact configuration	Coil	Part number
SR2ZY024	2-pole module	2 CO contacts	24 VDC	9-1415536-1