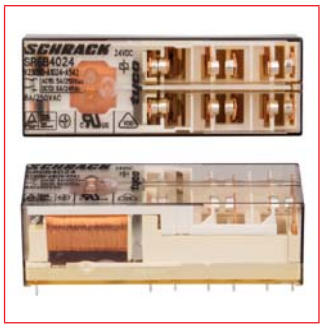
Force-guided Contacts Relays Schrack, Series SR, Print Version

SR2 + SR4


SR6B4024


SR6B4024

Schrack-Info

SR2

- 2 poles with force-guided contacts 6 A
- 2 CO
- Coil 24 V DC
- Contact material AgNi
- Reinforced insulation between the poles
- Complies with EN 50205

SR4

- 4 poles with force-guided contacts 8 A
- 2 NO, 2 NC (SR4D4024) or 3 NO, 1 NC (SR4M4024)
- Coil 24 V DC
- Contact material $AgSnO_2$
- Compact, slim-line design
- Complies with EN 50205

SR6

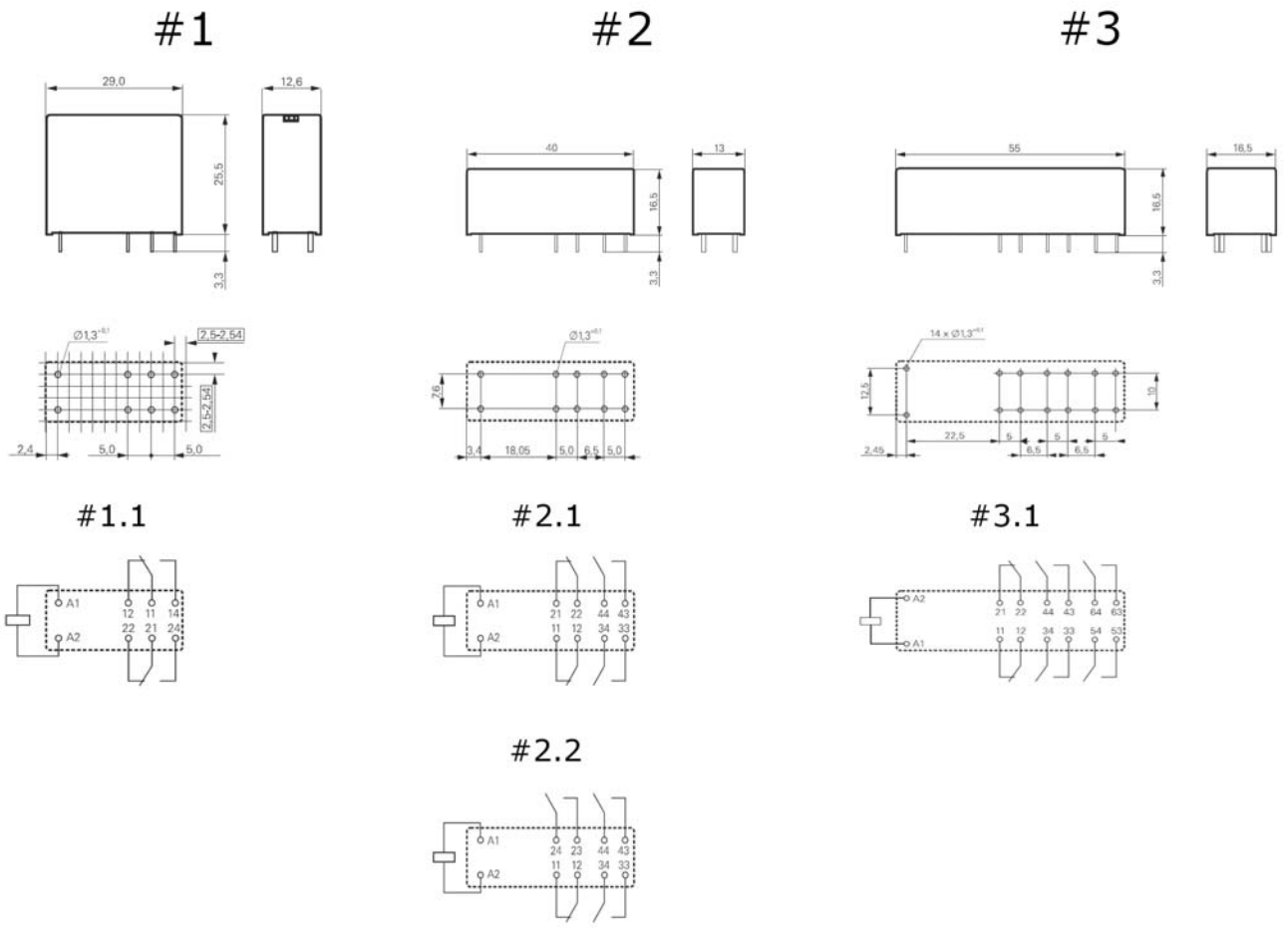
- 6 poles with force-guided contacts 8 A
- 4 NO, 2 NC
- Coil 24 V DC
- Contact material $AgSnO_2$
- Reinforced insulation between all contacts
- Complies with EN 50205

Multi-purpose application of SR2, SR4 & SR6

- For emergency stops, machine and press controls, elevators and escalators, safety switches

Force-guided Contacts Relays Schrack, Series SR, Print Version

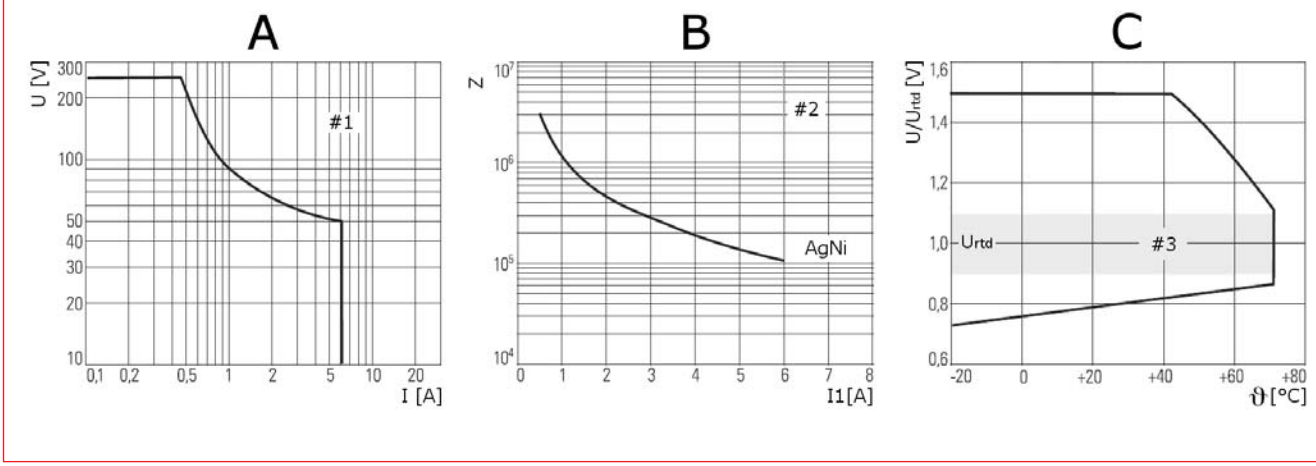
Dimensions (mm) & Circuit Diagrams



Dimensions & Circuit Diagrams

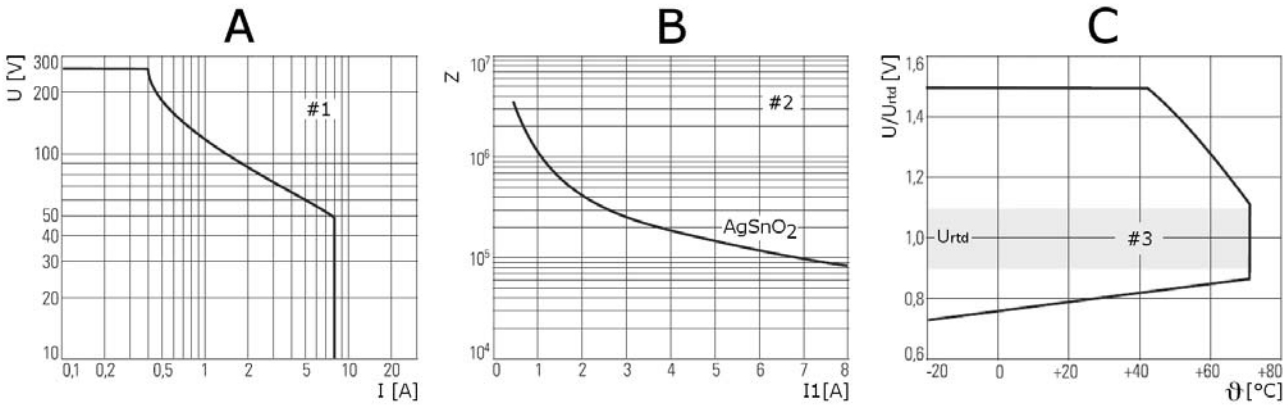
#1	SR2
#1.1	2 CO, 6 A
#2	SR4
#2.1	2 NO und 2 NC, 8 A
#2.2	3 NO und 1 NC, 8 A
#3	SR6
#3.1	4 NO und 2 NC, 8 A

Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Range SR2

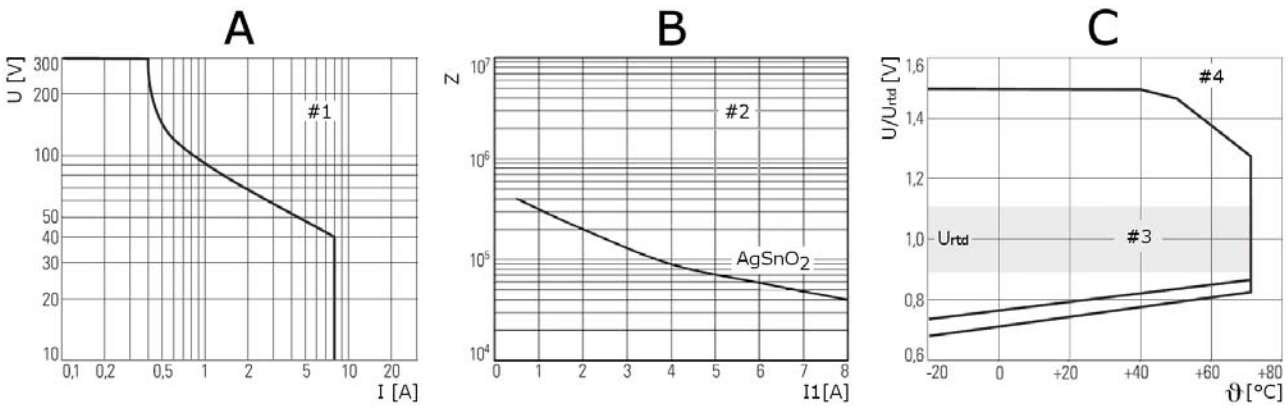


Force-guided Contacts Relays Schrack, Series SR, Print Version

Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Range SR4



Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Range SR6



Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Ranges

SR2

A	Max. DC rated breaking capacity
B	Electrical service life
C	Coil operating range DC
#1	Resistive load
#2	250 V AC resistive load
#3	Recommended voltage range in [V]
U	DC voltage in [V]
U/U_{rtd}	Coil voltage in [V]
I	DC current in [A]
I1	Switching current in [A]
Z	Cycles
ϑ	Ambient temperature in [°C]

SR4

A	Max. DC rated breaking capacity
B	Electrical service life
C	Coil operating range DC
#1	Resistive load
#2	250 V AC resistive load on 1 NO contact
#3	Recommended voltage range in [V]
U	DC voltage in [V]
U/U_{rtd}	Coil voltage in [V]
I	DC current in [A]
I1	Switching current in [A]
Z	Cycles
ϑ	Ambient temperature in [°C]

SR6

A	Max. DC rated breaking capacity
B	Electrical service life
C	Coil operating range DC
#1	Resistive load
#2	250 V AC resistive load on 1 NO contact
#3	Recommended voltage range in [V]
#4	1200mW coil
U	DC voltage in [V]
U/U_{rtd}	Coil voltage in [V]
I	DC current in [A]
I1	Switching current in [A]
Z	Cycles
ϑ	Ambient temperature in [°C]

Force-guided Contacts Relays Schrack, Series SR, Print Version

Technical Data

CONTACT DATA		**SR2**	**SR4**	**SR6**
Number of contacts and type		2 CO	2 NO und 2 NC or 3 NO und 1 NC	4 NO und 2 NC
Contact style	EN 50205	Single contact, force guided		
Rated current		6 A	8 A	
Rated voltage/ max. switching voltage AC		250 / 400 V~		
Min. recommended contact load		5 V / 10 mA		
Initial contact resistance		< 100 mΩ at 1 A, 24 V DC		
Contact material		AgNi	$AgSnO_2$	
Frequency of operation	With load	6 min^{-1}		
	Without load	300 min^{-1}	150 min^{-1}	
Contact ratings according to IEC60947-5-1	AC15	-	3 A (1 NO)	5 A (2 NO)
	DC13	-		6 A (2 NO)
Mechanical service life		10 x 10^6 Operations		
INSULATION DATA				
Dielectric strength	Open contacts		1500 V_{rms}	
	Contact and coil		4000 V_{rms}	
	Adjacent contacts	3000 V_{rms}	2500 V_{rms}	3000 V_{rms}
Clearance/ creepage	Open contacts		Micro disconnection	
	Contact and coil	≥ 8 / 8 mm	≥ 10 / 10 mm	≥ 5.5 / 5.5 mm
	Adjacent contacts	≥ 5.5 / 5.5 mm	≥ 3 / 3.5 mm	
Insulation to EN 50178				
Type of insulation	Contact and coil		Reinforced	
	Adjacent contacts	Reinforced	Basic	Reinforced
Ambient temperature		-25...+70 °C		

DESCRIPTION	AVAILABLE	ORDER NO.
24V-DC, 2 CO, 6A		**SR2Y5024**
24V-DC, 2 NO, 2 NC, 8A		**SR4D4024**
24V-DC, 3 NO, 1 NC, 8A		SR4M4024
24V-DC, 4 NO, 2 NC, 8A		**SR6B4024**