



- Installation relays - electromagnetic • AC, DC and AC/DC coils
- Cover - modular, width 17,5 mm • Load of AC1 up to 16 A / 250 V (versions 1 CO, 1 NO) and up to 8 A / 250 V (versions 2 CO, 2 NO)
- Light indicator (LED diode) - supply voltage
- Applications: automatic systems in buildings - in cooperation with control timers, switches, control switches; electric systems; industrial automation and power engineering automation; switchgears of modular equipment
- Recognitions, certifications, directives: RoHS,

Contact data

Number and type of contacts		1 CO, 1 NO	2 CO, 2 NO
Contact material		AgSnO₂	
Max. switching voltage		300 V AC / 300 V DC	
Min. switching voltage		10 V	
Rated load	AC1	16 A / 250 V AC	8 A / 250 V AC
	DC1	16 A / 24 V DC	8 A / 24 V DC
Min. switching current		10 mA	
Max. inrush current		30 A ^①	15 A
Rated current		16 A	8 A
Max. breaking capacity	AC1	4 000 VA	2 000 VA
Min. breaking capacity		1 W	
Contact resistance		≤ 100 mΩ	
Max. operating frequency			
• at rated load	AC1	600 cycles/hour	
• no load		72 000 cycles/hour	

Coil data

Rated voltage	• versions 1 CO, 2 CO	50/60 Hz AC	24, 115, 230 V
		DC	12, 24, 48 V
	• versions 1 NO, 2 NO	50 Hz AC	230 V
		AC: 50 Hz AC/DC	12, 24, 48, 115 V
Must release voltage		AC: ≥ 0,15 U _n	DC: ≥ 0,05 U _n
Operating range of supply voltage		0,85...1,1 U _n AC: 50/60 Hz	see Tables 2, 3, 4
Rated power consumption	• versions 1 CO, 2 CO	AC	≤ 1,0 VA 115 V AC, 230 V AC, AC: 50 Hz
		DC	≤ 0,5 W 12 V DC
		DC	≤ 0,65 W 24 V DC, 48 V DC
	• versions 1 NO, 2 NO	AC	≤ 5,5 VA 230 V AC, AC: 50 Hz
		AC/DC	≤ 0,75 VA / 0,75 W 12 V AC/DC, AC: 50 Hz
		AC/DC	≤ 0,65 VA / 0,65 W 24 V AC/DC, 48 V AC/DC, 115 V AC/DC, AC: 50 Hz

Insulation according to EN 60664-1

Insulation rated voltage		250 V AC
Rated surge voltage		4 000 V 1,2 / 50 μs
Overvoltage category		II
Insulation pollution degree		1
Flammability class		contact plate: V-0 cover: V-1 UL 94
Dielectric strength	• between coil and contacts	3 000 V AC contacts 1 CO and 2 CO, type of insulation: basic
		4 000 V AC contacts 1 NO and 2 NO, type of insulation: reinforced
	• contact clearance	1 000 V AC type of clearance: micro-disconnection
	• pole - pole	2 000 V AC contacts 2 CO, type of insulation: basic
		2 500 V AC contacts 2 NO, type of insulation: basic

General data

Operating / release time (typical values)		15 ms / 20 ms
Mechanical life (cycles)		> 10 ⁷
Dimensions (L x W x H)		90 [⊗] x 17,5 x 63,5 mm
Weight		60 g 65 g
Ambient temperature (non-condensation and/or icing)	• storage	-40...+70 °C
	• operating	-20...+45 °C
Cover protection category		IP 20 EN 60529
Relative humidity		up to 90%
Shock resistance		15 g
Vibration resistance (NO/NC)		9 g / 5 g 10...150 Hz

The data in bold type relate to the standard versions of the relays.

^① UL only for 15 A.

[⊗] Length with 35 mm rail catches: 98,8 mm.