

Relay modules

flare



**250 V AC / 300 V DC, 6 A
1 Changeover contact (SPDT)**

Approvals: , CSA



**48 V DC, 20 mA
1 Changeover contact (SPDT)**

Approvals: , CSA

Overall width 6.2 mm
Screw or spring clamp terminal
can be selected

Dimensions (mm): W x H x D
6.2 x 89 x 70

Operating voltage	Screw terminal	Spring-clamp	Std. pack	Screw terminal	Spring-clamp	Std. pack
12 V DC		80.010.4106.0	10			
24 V DC	80.010.4000.0	80.010.4100.0	10			
12 V AC/DC						
24 V AC/DC				80.010.4005.0	80.010.4105.0	10
115 V AC		80.010.4131.0	10			
230 V AC		80.010.4141.0	10			
Wiring diagram, derating curve, limit curve	See pages 464-465			See pages 464-465		
Coil circuit						
Operating voltage	12 V DC	24 V DC	115 V DC	230 V DC		
Range of voltage	UB +25 %/–20 %				UB +25 %/–20 %	
Nominal input current	18 mA	ca. 14 mA	3.9 mA	3 mA	ca. 14 mA	
Nominal input capacity	0.22 W	ca. 0.35 W	0.48 W	0.65 W	ca. 0.35 W	
Holding current at 20 °C	≥ 2.3 mA	> 1.2 mA	≥ 0.6 mA	≥ 0.3 mA	> 1.2 mA	
Connectable via plug-in jumper	Up to 50 modules				Up to 50 modules	
Status display	LED Green				LED Green	
Switching characteristics						
Maximum switching voltage	250 V AC / 300 V DC				48 V DC	
Maximum switching current	6 A AC / 2 A DC				20 mA	
Maximum switching capacity	1500 VA / 48 W				1 W	
Maximum starting current	10 A; 4 sec.					
Pickup/dropout delay	8 ms / 10 ms				8 ms / 10 ms	
Chatter time	2 ms				2 ms	
Maximum switching frequency	20 Hz				20 Hz	
Contact material	AgSnO ₂				AgSnO ₂ + 3μ Au	
Minimum switchable voltage	12 V				5 V	
Minimum switchable current	5 mA				1 mA	
Mechanical endurance	2 x 10 ⁷				2 x 10 ⁷	
Electrical endurance 24 V DC / 2 A	6 x 10 ⁵				6 x 10 ⁵	
Electrical endurance 230 V AC / 6 A	8 x 10 ⁴				8 x 10 ⁴	
Rated voltage						
Isolation voltage of input/output	4 kV _{eff}				4 kV _{eff}	
Overvoltage category	III (according to HD 625.1S1)				III (according to HD 625.1S1)	
Degree of pollution	2 (according to HD 625.1S1)				2 (according to HD 625.1S1)	
Ambient temperature	0 °C...+50 °C				0 °C...+50 °C	
Storage temperature	–40 °C...+55 °C				–40 °C...+55 °C	
Protection type/mounting rail	IP 20 / TS35				IP 20 / TS35	
Norms/specifications	VDE 0160; VDE 0106 T101				VDE 0160; VDE 0106 T101	
Emitted interference/interference immunity	EN 61000-6-3; EN 61000-6-2				EN 61000-6-3; EN 61000-6-2	
Wire range of screw terminal/spring clamp terminal	24 – 10 AWG / 24 – 12 AWG				24 – 10 AWG / 24 – 12 AWG	
finely stranded	0.14 mm ² – 1.5 mm ²				0.14 mm ² – 1.5 mm ²	
single core	0.5 mm ² – 2.5 mm ²				0.5 mm ² – 2.5 mm ²	
CSA EX approval	Class I, Division 2, Groups A, B, C and D, T6				Class I, Division 2, Groups A, B, C and D, T6	
Accessories						
Plug-in jumper (U _{max} = 50 V, I _{max} = 2 A)	Z8.000.0200.8				Z8.000.0200.8	
8 digit marker tag, unmarked, 60 off	Z4.242.5153.0				Z4.242.5153.0	
Comb for potential distribution, red/blue*	Z8.000.0202.3 / Z8.000.0202.4				Z8.000.0202.3 / Z8.000.0202.4	
End caps for comb red/blue	Z8.000.0202.1 / Z8.000.0202.2				Z8.000.0202.1 / Z8.000.0202.2	
* for screw terminals only						