

Relay modules

flare



Overall width 6.2 mm
For input/output separation

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

Isolating blade terminal relay (SPDT)
Change over 1 contact
Approvals: ,CSA

Hand-O-Auto relay (SPDT)
1 make contact
Approvals: , CSA

Operating voltage	Screw terminal	Spring-clamp Std. pack	Screw terminal	Spring-clamp Std. pack
12 V DC				
24 V DC				
12 V AC/DC				
24 V AC/DC		80.010.4120.0 10		80.010.4101.0 10
115 V AC				
230 V AC				
Wiring diagram, derating curve, limit curve	See pages 464-465		See pages 464-465	
Coil circuit				
Operating voltage	UB +25 %/-20 %		UB +25 %/-20 %	
Nominal input current	ca. 14 mA		ca. 14 mA	
Nominal input capacity	ca. 0.35 W		ca. 0.35 W	
Holding current at 20 °C	> 1.2 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		250 V AC / 300 V DC	
Maximum switching current	6 A AC / 2 A DC		6 A AC / 2 A DC	
Maximum switching capacity	1500 VA / 48 W		1500 VA / 48 W	
Maximum starting current	10 A; 4 sec.		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	
Minimum switchable voltage	12 V		12 V	
Minimum switchable current	5 mA		5 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	-		-	
Wire range of spring clamp terminal	24 - 12 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 in range	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	