

Coupling relays Pluggable interface relays *flare* MOVE

interface

Overall width: 6.2 mm
pluggable



Dimensions (mm): W x H x D
6.2 x 88 x 76

flare MOVE 12 V

Input 12 V DC, AC/DC
Output 1 change-over contact 250 V 6 A (SPDT)
Approvals:

flare MOVE 24 V

Input 24 V DC, AC/DC
Output 1 change-over contact 250 V 6 A (SPDT)
Approvals:

Description	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack
12 V relay module DC	80.010.4501.0	10	80.010.4501.1	10				
24 V relay module DC					80.010.4502.0	10	80.010.4502.1	10
12 V relay module AC / DC	80.010.4521.0	10	80.010.4521.1	10				
24 V relay module AC / DC					80.010.4522.0	10	80.010.4522.1	10
Coil circuit								
Nominal operating voltage	12 V DC		12 V AC / DC		24 V DC		24 V AC / DC	
Maximum operating voltage	14.4 V DC		13.2 V AC / DC		28.8 V DC		26.4 V AC / DC	
Minimum operating voltage	9.0 V DC		8.4 V AC / DC		18.2 V DC		19.2 V AC / DC	
Nominal input current	17 mA		19 mA		9.4 mA		12 mA	
Nominal input capacity AC/DC	0.2 W		0.25 V A		0.23 W		0.3 V A	
Operating range	(0.75...1.2) U _N		(0.7 ... 1.1) U _N		(0.75...1.2) U _N		(0.75...1.2) U _N	
Connectable via pluggable jumper	Up to 20 modules				Up to 20 modules			
Status display	LED green				LED green			
Switching characteristics								
	AgSnO₂		AgSnO₂ + Au (5 μ)		AgSnO₂		AgSnO₂ + Au (5 μ)	
Maximum switching voltage	400 V AC				400 V AC			
Nominal switching voltage	250 V AC				250 V AC			
Maximum switching current	6 A AC / DC				6 A AC / DC			
Maximum switching capacity AC / DC	1500 V A / 150 W				1500 V A / 150 W			
Maximum starting current	10 A				10 A			
Pick-up/release delay (including bouncing)	7 ms / 11 ms				7 ms / 11 ms			
Maximum switching frequency	20 Hz (without load); 0.1 Hz (at full load)				20 Hz (without load); 0.1 Hz (at full load)			
Contact material	AgSnO₂		AgSnO₂ + Au (5 μ)		AgSnO₂		AgSnO₂ + Au (5 μ)	
Minimum selectable voltage	12 V AC / DC		5 V AC / DC		12 V AC / DC		5 V AC / DC	
Minimum selectable current	10 mA AC / DC		2 mA AC / DC		10 mA AC / DC		2 mA AC / DC	
Minimum switching capacity	500 mW		50 mW		500 mW		50 mW	
Mechanical life	1 x 10 ⁷				1 x 10 ⁷			
Electrical life 230 V AC / 6 A	6 x 10 ⁴				6 x 10 ⁴			
Rated voltage	250 V				250 V			
Isolation voltage of input/output	4 kV _{eff.}				4 kV _{eff.}			
Overtoltage 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			
Emitted interference/interference immunity								
Wire range of screw terminal: fine-stranded/solid	0.14 mm ² - 1.5 mm ² / 0.5 mm ² - 2.5 mm ²				0.14 mm ² - 1.5 mm ² / 0.5 mm ² - 2.5 mm ²			
Accessories								
	Part No.	Std. Pack		Matching relay	Part No.	Std. Pack		Matching relay
Screw holder for operating voltage (6/12/24) V DC	80.063.4001.1	10		12 or 24 V DC	80.063.4001.1	10		12 or 24 V DC
Screw holder for operating voltage (6/12/24) V AC/DC	80.063.4021.1	10		12 or 24 V DC	80.063.4021.1	10		12 or 24 V DC
Screw holder for operating voltage (48/60) V AC/DC	80.063.4023.1	10		60 V DC	80.063.4023.1	10		60 V DC
Screw holder for operating voltage (110...125) V AC/DC	80.063.4025.1	10		60 V DC	80.063.4025.1	10		60 V DC
Screw holder for operating voltage (220...240) V AC/DC	80.063.4026.1	10		60 V DC	80.063.4026.1	10		60 V DC
Insulation plate IP SF38	80.063.4009.1	10			80.063.4009.1	10		
Comb-shaped jumper for linking the terminals, continuous current 36 A, 20 pole, KB SF38	80.063.4029.1	10			80.063.4029.1	10		
Marking plate BM SF38	80.063.4129.3	1			80.063.4129.3	1		
	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack
6 V DC relay	80.063.4030.0	10	80.063.4030.1	10				
12 V DC relay	80.063.4031.1	10	80.063.4031.0	10				
24 V DC relay					80.063.4032.0	10	80.063.4032.1	10

Coupling relays Pluggable interface relays *flare* MOVE

Overall width: 6.2 mm
pluggable



Dimensions (mm): W x H x D
6.2 x 88 x 76

flare MOVE 115 V

Input 115 V, AC/DC

Output 1 change-over contact 250 V 6 A (SPDT)

Approvals:

flare MOVE 230 V

Input 230 V, AC/DC

Output 1 change-over contact 250 V 6 A (SPDT)

Approvals:

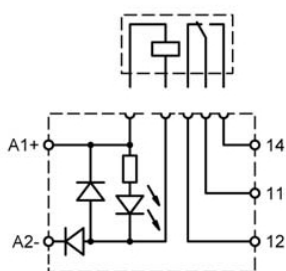
Description	AgSnO ₂		AgSnO ₂ + Au (5 μ)		AgSnO ₂		AgSnO ₂ + Au (5 μ)	
	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
115 V AC/DC relay module	80.010.4525.0	10	80.010.4525.1	10				
230 V AC/DC relay module					80.010.4526.0	10	80.010.4526.1	10
Coil circuit								
Nominal operating voltage	115 V AC/DC (50/60 Hz)				230 V AC/DC (50/60 Hz)			
Maximum operating voltage	126 V				253 V			
Minimum operating voltage	92 V				184 V			
Nominal input current	5 mA				4 mA			
Nominal input capacity	0.6 VA				0.9 VA			
Operating range	(0.8 ... 1.1) U _N				(0.8 ... 1.1) U _N			
Connectable via pluggable jumper	Up to 20 modules				Up to 20 modules			
Status display	LED green				LED green			
Switching characteristics	AgSnO₂		AgSnO₂ + Au (5 μ)		AgSnO₂		AgSnO₂ + Au (5 μ)	
Maximum switching voltage	400 V AC*		400 V AC*		400 V AC*		400 V AC*	
Nominal switching voltage	250 V AC		250 V AC		250 V AC		250 V AC	
Maximum switching current	6 A		6 A		6 A		6 A	
Maximum switching capacity AC 1	1500 VA		1500 VA		1500 VA		1500 VA	
Maximum starting current	10 A (0.5 sec.)		10 A (0.5 sec.)		10 A (0.5 sec.)		10 A (0.5 sec.)	
Pick-up/release delay (including bouncing)	7 ms / 11 ms		7 ms / 11 ms		7 ms / 11 ms		7 ms / 11 ms	
Maximum switching frequency	10 Hz (without load); 0.5 Hz (at full load)				10 Hz (without load); 0.5 Hz (at full load)			
Contact material	AgSnO₂		AgSnO₂ + Au (5 μ)		AgSnO₂		AgSnO₂ + Au (5 μ)	
Minimum selectable voltage	12 V		5 V		12 V		5 V	
Minimum selectable current	10 mA		2 mA		10 mA		2 mA	
Minimum switching capacity	500 mW		50 mW		500 mW		50 mW	
Mechanical life AC/DC	1 x 10 ⁷		1 x 10 ⁷		1 x 10 ⁷		1 x 10 ⁷	
Electrical life AC 1	6 x 10 ⁴		6 x 10 ⁴		6 x 10 ⁴		6 x 10 ⁴	
Rated voltage	250 V		250 V		250 V		250 V	
Isolation voltage of input/output	4 kV _{eff.}		4 kV _{eff.}		4 kV _{eff.}		4 kV _{eff.}	
Overvoltage category	III		III		III		III	
Degree of pollution	3		3		3		3	
Ambient temperature	-40 °C...+55 °C		-40 °C...+55 °C		-40 °C...+55 °C		-40 °C...+55 °C	
Storage temperature	-40 °C...+55 °C		-40 °C...+55 °C		-40 °C...+55 °C		-40 °C...+55 °C	
Protection type/mounting rail	IP 20 / TS35		IP 20 / TS35		IP 20 / TS35		IP 20 / TS35	
Emitted interference/interference immunity								
Wire range of screw terminal: fine-stranded/solid	0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²		0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²		0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²		0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²	
Accessories	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Screw holder for operating voltage (6/12/24) V DC	80.063.4001.1	10	80.063.4001.1	10	80.063.4001.1	10	80.063.4001.1	10
Screw holder for operating voltage (6/12/24) V AC/DC	80.063.4021.1	10	80.063.4021.1	10	80.063.4021.1	10	80.063.4021.1	10
Screw holder for operating voltage (48/60) V AC/DC	80.063.4023.1	10	80.063.4023.1	10	80.063.4023.1	10	80.063.4023.1	10
Screw holder for operating voltage (110...125) V AC/DC	80.063.4025.1	10	80.063.4025.1	10	80.063.4025.1	10	80.063.4025.1	10
Screw holder for operating voltage (220...240) V AC/DC	80.063.4026.1	10	80.063.4026.1	10	80.063.4026.1	10	80.063.4026.1	10
Insulation plate IP SF38	80.063.4009.1	10	80.063.4009.1	10	80.063.4009.1	10	80.063.4009.1	10
Comb-shaped jumper for linking the terminals A1, A2, continuous current 36 A, 20 pole, KB SF38								
20 poles	80.063.4029.1	10	80.063.4029.1	10	80.063.4029.1	10	80.063.4029.1	10
Marking plate BM SF38	80.063.4129.3	1	80.063.4129.3	1	80.063.4129.3	1	80.063.4129.3	1
	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack	AgSnO ₂	Std. Pack	AgSnO ₂ + Au (5 μ)	Std. Pack
60 V DC relay	80.063.4034.0	10	80.063.4034.1	10	80.063.4034.0	10	80.063.4034.1	10

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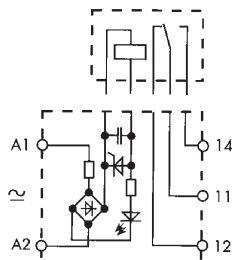
interface

Circuit diagrams: *flare* MOVE – mechanical relay couplers

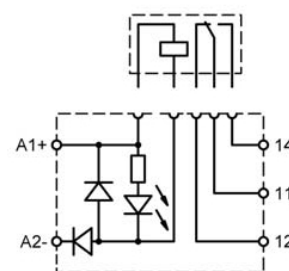
**12 V DC relay,
1 change-over contact (SPDT)
Part No. 80.010.4501.0
Part No. 80.010.4501.1**



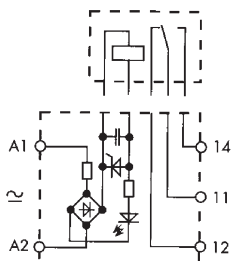
**12 V DC; AC/DC relay
1 change-over contact (SPDT)
Part No. 80.010.4521.0
Part No. 80.010.4521.1**



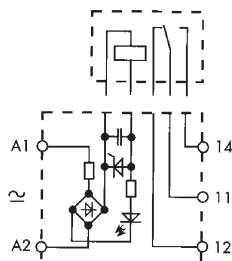
**24 V DC relay,
1 change-over contact (SPDT)
Part No. 80.010.4502.0
Part No. 80.010.4502.1**



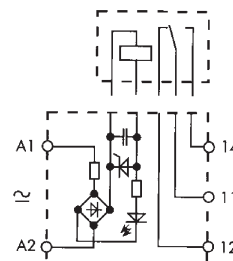
**24 V DC; AC/DC relay
1 change-over contact (SPDT)
Part No. 80.010.4522.0
Part No. 80.010.4522.1**



**115 V AC/DC relay
1 change-over contact (SPDT)
Part No. 80.010.4525.0
Part No. 80.010.4525.1**



**230 V AC/DC relay
1 change-over contact (SPDT)
Part No. 80.010.4526.0
Part No. 80.010.4526.1**



Dimensions

