

Features

- 1 pole 16A; 2 pole 10A
- With non-polarity LED integrated in relay
- With lockable test button and inspection window
- Identification of coils through test button color (AC red/DC blue)

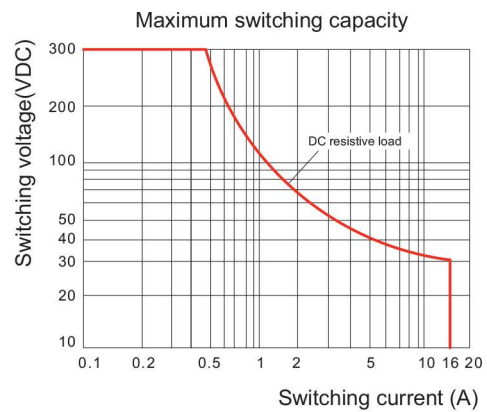
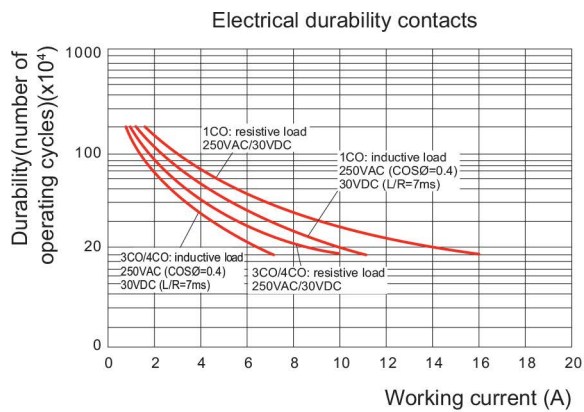
Characteristics					
Contact	Configuration		SPDT	DPDT	
	Rated current/ Rated voltage	Resistive load	16A/250V AC 30V DC		10A/250V AC 30V DC
		Motor load	1/2HP, 120V AC; 1HP, 240V AC		1/3HP 240V AC
	Switching capacity (resistive)		4000VA, 480W		2500VA 300W
	Initial contact resistance		≤50mΩ		
	Material		Ag alloy		
	Electrical durability		1C/3C/4C: ≥10 x 10 ⁴ (1800 ops/h), 2C: ≥20 x 10 ⁴ (1800 ops/h)		
	Mechanical durability		≥1000 x 10 ⁴ (18000 ops/h)		
Pick-up voltage (23°C)			DC: ≤75% (Rated voltage), AC: ≤80% 50/60Hz (Rated voltage)		
Drop-out voltage (23°C)			DC: ≥10% (Rated voltage), AC: ≥30% 50/60Hz (Rated voltage)		
Maximum voltage (23°C)			110% (Rated voltage)		
Insulation resistance			≥500MΩ (500V DC)		
Coil operating power	DC(W)		approx. 0.9		
	AC(VA)		approx. 1.2		
Operate time (at nominal voltage)			≤20 ms		
Release time (at nominal voltage)			≤20 ms		
Initial breakdown voltage	Between open contacts		1000V AC/1min (leakage current 1mA)		
	Between poles		2000V AC/1min (leakage current 1mA)		
	Between contacts and coil		2000V AC/1min (leakage current 1mA)		
Ambient temperature			-25°C to +55°C		
Humidity			35% to 85%RH		
Air pressure			86 to 106KPa		
Shock resistance			10G (half-sine shock pulse: 11ms)		
Vibration resistance			10 to 55Hz double-amplitude:1.0mm		
Mounting			plug in		
Unit weight			approx. 35g		

Coil Specifications (23°C)

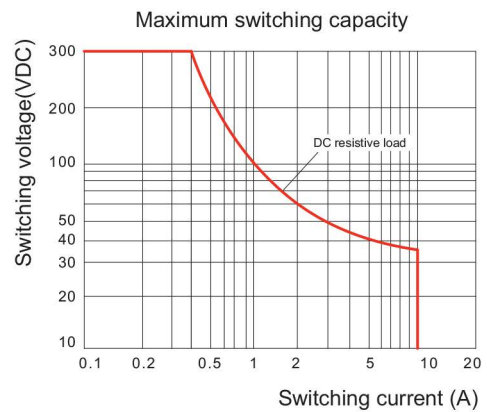
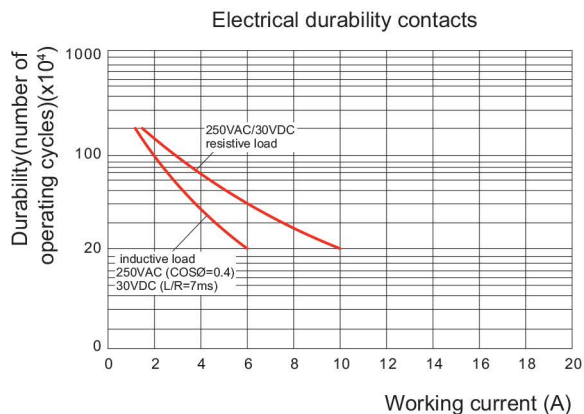
Nominal voltage V.DC	6	12	24	36	48	110	220		
Coil resistance Ω	40	180	640	1500	2600	13000	42000		
Nominal voltage V.AC	6	12	24	36	48	115	230	240	380
Coil resistance Ω	11.5	40	180	370	640	4430	16500	18790	42000

Contact Specification

SPDT

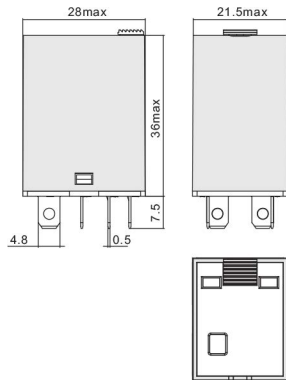


DPDT

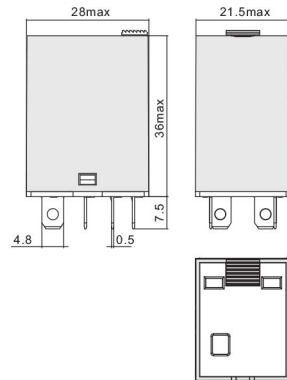


Dimensions

SPDT



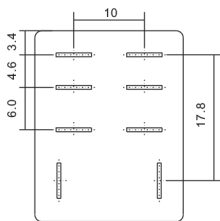
DPDT



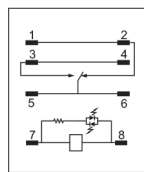
Dimensions : Millimetres

Wiring Diagrams

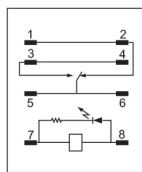
SPDT



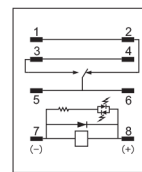
DC



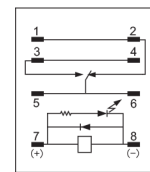
AC



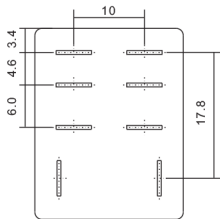
DC-D



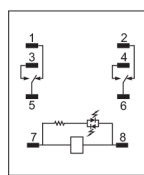
DC-D1



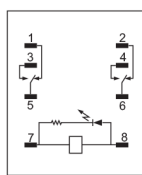
DPDT



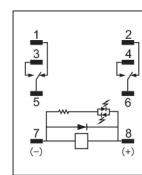
DC



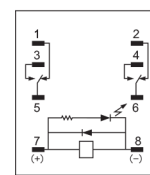
AC



DC-D



DC-D1



Part Number Table

Description	Part Number
Power Relay, SPDT, 12VDC, 16A, Plug-in with LED+Test Button+Diode	MP010023
Power Relay, SPDT, 24VDC, 16A, Plug-in with LED+Test Button+Diode	MP010024
Power Relay, SPDT, 24VAC, 16A, Plug-in with LED+Test Button	MP010025
Power Relay, SPDT, 110VAC, 16A, Plug-in with LED+Test Button	MP010026
Power Relay, SPDT, 230VAC, 16A, Plug-in with LED+Test Button	MP010027
Power Relay, DPDT, 12VDC, 10A, Plug-in with LED+Test Button+Diode	MP010028
Power Relay, DPDT, 24VDC, 10A, Plug-in with LED+Test Button+Diode	MP010029
Power Relay, DPDT, 24VAC, 10A, Plug-in with LED+Test Button	MP010030
Power Relay, DPDT, 110VAC, 10A, Plug-in with LED+Test Button	MP010031
Power Relay, DPDT, 230VAC, 10A, Plug-in with LED+Test Button	MP010032

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