

RoHS  
Compliant



3PDT



DPDT

## Features

- 2 pole 3 pole contact load 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			
	Configuration	DPDT	3PDT
Contact	Rated current/Rated voltage	10A/250V AC 30V DC (resistive RES); 7A/250VAC 30V DC (perceptual GEN)	
	Switching capacity (resistive)	2500VA, 300W	
	Initial contact resistance	≤50mΩ	
	Material	Ag alloy	
	Electrical durability	≥10 <sup>5</sup> (1800 ops/h)	
	Mechanical durability	≥2000 x 10 <sup>4</sup> (18000 ops)	
	Pick-up voltage (23°C)	≤80%	
Drop-out voltage (23°C)	DC:≥10%, AC:≥30% 50/60Hz (Rated voltage)		
Maximum voltage (23°C)	110% (Rated voltage)		
Insulation resistance	≥100MΩ (500V DC)		
Coil operating power	DC(W)	approx. 1.5	
	AC(VA)	approx. 2.7	
Operate time (at nominal voltage)	≤30 ms		
Release time (at nominal voltage)	≤20 ms		
Initial breakdown voltage	Between open contacts	1000V AC/1min (leakage current 1mA)	
	Between poles	2500V AC/1min (leakage current 1mA)	
	Between contacts and coil	2500V AC/1min (leakage current 1mA)	
Ambient temperature	-10°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:1.5mm		
Mounting	plug in		
Unit weight	approx. 85g		

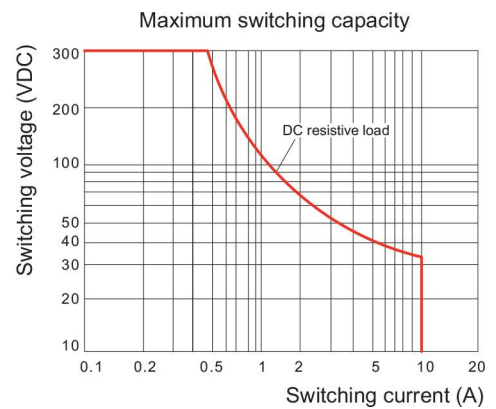
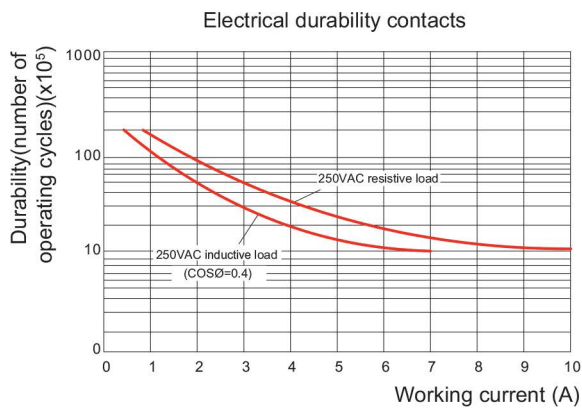
## Coil Specifications (23°C)

Nominal voltage V.DC	6	12	24	36	48	110	220	
Coil resistance Ω	23	96	430	860	1640	7360	29500	
Nominal voltage V.AC	6	12	24	36	48	115	230	240
Coil resistance Ω	3.9	17	62.5	144	305	1250	5900	6500

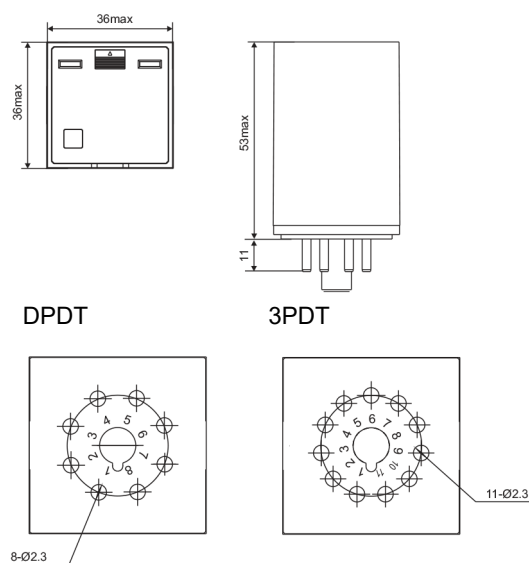
Remarks: Coil resistances under 10000Ω are measured with tolerances of ±10%Ω; above coil resistances 10000Ω are measured with tolerances of ±15%Ω.

## Contact Specification

DPDT / 3PDT



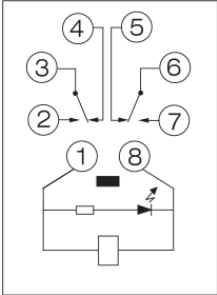
## Dimensions



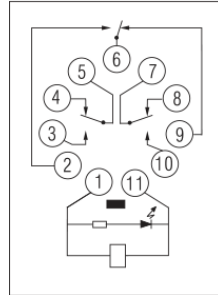
Dimensions : Millimetres

## Wiring Diagrams

DPDT



3PDT



## Part Number Table

Description	Part Number
General Purpose Relay, DPDT, 12VDC, 10A, Plug-in with LED+Test Button	MP010033
General Purpose Relay, DPDT, 24VDC, 10A, Plug-in with LED+Test Button	MP010034
General Purpose Relay, DPDT, 24VAC, 10A, Plug-in with LED+Test Button	MP010035
General Purpose Relay, DPDT, 110VAC, 10A, Plug-in with LED+Test Button	MP010036
General Purpose Relay, DPDT, 230VAC, 10A, Plug-in with LED+Test Button	MP010037
General Purpose Relay, 3PDT, 12VDC, 10A, Plug-in with LED+Test Button	MP010038
General Purpose Relay, 3PDT, 24VDC, 10A, Plug-in with LED+Test Button	MP010039
General Purpose Relay, 3PDT, 24VAC, 10A, Plug-in with LED+Test Button	MP010040
General Purpose Relay, 3PDT, 110VAC, 10A, Plug-in with LED+Test Button	MP010041
General Purpose Relay, 3PDT, 230VAC, 10A, Plug-in with LED+Test Button	MP010042

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