



## Features

- High contact capability.
- High vibration resistance.
- Single coil and dual coil available.
- Only impusing, but single and dual coil can work together.

## Contact Capacity

Model	Y25
Nominal Switching Capacity	25A 250VAC
Max. switching current	25A
Max. switching voltage	250VAC
Max. switching power	6,250VA

## Characteristic Data

Contact material		Silver alloy
Initial contact resistance		50mΩ Max.
Operate time		10ms Max.
Release time		10ms Max.
Initial insulation resistance		1000 MΩ Min. (500VDC)
Initial dielectric strength		Between open contacts: AC1,500V,50/60HZ 1Min.
		Between coil and contacts: AC4,000V,50/60HZ 1Min.
Vibration resistance		Functional 10-55 HZ at double amplitude of 1.5mm
		Destructive 10-55 HZ at double amplitude of 1.5mm
Shock resistance		98m/s <sup>2</sup>
Endurance	Mechanical	1X10 <sup>7</sup> OPS
	Electrical	3x10 <sup>7</sup> OPS
Ambient temperature		-40°C ~ +85°C (no condensation)
Unit weight		Approx. 32.0g without accessory
Humidity		45%~90% RH

## Coil Data (at 20°C)

Model	Nominal voltage (VDC)	Coil resistance ±10% (Ω)		Coil power (W)		Set voltage (VDC)	Reset voltage (VDC)	Over voltage (VDC)	Pulse duration (ms)
		Single coil	Dual coil	Single coil	Dual coil				
05	5VDC	25	12.5/12.5	1.0W	2.0W	≤80%	≤80%	≤150%	≥20ms
06	6VDC	36	18/18						
09	9VDC	81	40.5/40.5						
012	12VDC	144	72/72						
015	15VDC	225	112.5/112.5						
018	18VDC	324	162/162						
024	24VDC	576	288/288						
048	48VDC	2304	1152/1152						

## Coil Data(at 20°C)

Model	Nominal voltage (VDC)	Coil resistance±10%(Ω)		Coil power(W)		Set voltage (VDC)	Reset voltage (VDC)	Over voltage (VDC)	Pulse duration (ms)
		Single coil	Dual coil	Single coil	Dual coil				
05	5VDC	17.36	8.68/8.68	1.5W	3.0W	≤80%	≤80%	≤150%	≥20ms
06	6VDC	25	12.5/12.5						
09	9VDC	56.25	28.12/28.12						
012	12VDC	100	50/50						
015	15VDC	225	112.5/112.5						
018	18VDC	324	162/162						
024	24VDC	400	200/200						
048	48VDC	1600	800/800						

## Ordering Information

Nomenclature	
Y25-1 12 D M 1 -M	
	Terminal Form:M-Soldering terminal,T-screwed terminal
	Coil Form:1-Single coil,2-Dual coil
	Contact Form: M-Form A, Nil-Form C
	Coil Power: D-Single/dual:1.5W/3.0W;h-Single/dual:1.0W/2.0W
	Coil voltage(VDC):05,06,09,12,15,24,48
	Number of Pole: 1-1 Pole
	Type Designation: Y25

## Outline Dimensions,Wiring Diagram,Mounting Holes(Unit:mm)

