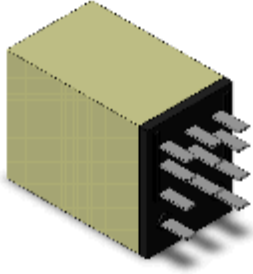


Miniature Power Relays

MY3 AC24

Standard type, Single, Plug-in terminal, 24 VDC 5 A (Resistive load), 220 VAC 5 A (Resistive load), Output 3PDT (5 A 24 V)



Image

Coil ratings	24 VAC 53.8 mA (50 Hz) / 24 VAC 46 mA (60 Hz)
Contact type	3PDT
Contact method	Single
Contact material	Ag
Contact rated load	220 VAC 5 A (Resistive load) 220 VAC 2 A (Inductive load (cos φ = 0.4)) 24 VDC 5 A (Resistive load) 24 VDC 2 A (Inductive load (L/R = 7 ms))
Maximum switching current	AC: 5 A DC: 5 A
Terminal structure	Plug-in terminal

Ratings / Performance

As of February 2, 2017

Product classification	Monostable relays Standard type
Coil ratings	24 VAC 53.8 mA (50 Hz) / 24 VAC 46 mA (60 Hz)
Coil resistance	180 Ω
Operate voltage (Set voltage)	80 % max.
Release voltage (Reset voltage)	30 % min.
Max. voltage	110 % max. (of rated voltage)
Power consumption	Approx. 0.9 to 1.3 VA (60 Hz)
Contact type	3PDT
Contact method	Single
Contact material	Ag
Contact rated load	220 VAC 5 A (Resistive load) 220 VAC 2 A (Inductive load (cos φ = 0.4)) 24 VDC 5 A (Resistive load) 24 VDC 2 A (Inductive load (L/R = 7 ms))
Maximum switching voltage	250 VAC 125 VDC
Maximum switching current	AC: 5 A DC: 5 A
Failure rate	1 mA at 5 VDC (failure level: P Reference value) (Switching frequency of 120 operations per minute)
Ambient temperature (Operating)	-55 to 70 $^{\circ}$ C (with no icing or condensation)
Ambient_humidity (Operating)	5 to 85%RH (with no icing or condensation)

Contact resistance	50 mΩ max., Measuring the voltage drop across the contacts by applying test voltage/current as 5 VDC 1 A
Release time (Reset time)	20 ms max. (The operate or release time was measured with the rated voltage at an ambient temperature of 23 °C)
Insulation resistance	Between coil and contacts: 100 MΩ min. (at 500 VDC) Between contacts of different polarity: 100 MΩ min. (at 500 VDC) Between contacts of same polarity: 100 MΩ min. (at 500 VDC)
Dielectric strength	Between coil and contacts: 2000 VAC (50/60 Hz 1 min) Between contacts of different polarity: 2000 VAC (50/60 Hz 1 min) Between contacts of same polarity: 1000 VAC (50/60 Hz 1 min)
Vibration resistance (Destruction)	10 to 55 to 10 Hz, 0.5-mm single amplitude (1-mm double amplitude)
Vibration resistance (Malfunction)	10 to 55 to 10 Hz, 0.5-mm single amplitude (1-mm double amplitude)
Shock resistance (Destruction)	1000 m/s**2
Shock resistance (Malfunction)	200 m/s**2
Endurance (Mechanical)	50 million operations min. (switching frequency 18,000 operations/h)
Endurance (Electrical)	500,000 operations min. (23 °C, Rated load, switching frequency 1,800 operations/h)
Protective structure	Closed type (cover)
Terminal structure	Plug-in terminal
Weight	Approx. 35 g

As of February 2, 2017