



Contact Rating

Load Type	EZ (DM)	EZ (D)	EZ (AM)	EZ (A)
Rated Load (Resistive)	16A 250VAC	16A 250VAC	16A 250VAC	16A 250VAC
	16A 30VDC	16A 30VDC	16A 30VDC	16A 30VDC
Rated Carrying Current	16A	16A	16A	16A
Max. Allowable Voltage	AC: 250V	AC: 250V	AC: 250V	AC: 250V
	DC: 110V	DC: 110V	DC: 110V	DC: 110V
Max. Allowable Current	16A	16A	16A	16A
Max. Allowable Power Force	4,000VA	4,000VA	4,000VA	4,000VA
	480W	480W	480W	480W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT	SPST	SPDT

Application

Cooking Appliance, Audio Equipment, Domestic Appliance and Controlling Equipment...etc.

Performance (at Initial Value)

- Contact Resistance 100 mΩ Max. @1A,6VDC
- Operate Time 12mSec. Max.
- Release Time 8 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact 5,000VAC at 50/60 Hz for one minute.
 - Between Contacts 1,000VAC at 50/60 Hz for one minute.
- Surge Strength 10,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100MΩ Min.at 500VDC.
- Max. On/Off Switching:
 - Electrical 6 Cycles per Minute.
 - Mechanical 300 Cycles per Minute.
- Temperature Range -40~85 °C.
- Humidity Range 45~85% RH.
- Coil Temperature Rise 30 °C Max.

Main Feature

1. EZ Series Relays are designed for switching capacity by 16A to comply with industrial control system use.
2. Slim type and low profile (29.0 x 12.6 x 15.6) is developed to provide end users with more flexibility in PC Board design.
3. Low power consumption and both AC and DC coil available.
4. Proper insulation distance is equipped to ensure EZ will has a 5000VAC dielectric strength between contact and coil.
5. Complete protective construction from dust and soldering flux is designed. If required, plastic epoxy resin sealed type is available for washing procedure.

- Vibration:
 - Endurance..... 10 to 55 Hz dual amplitude width 1.5 mm
 - Error Operation 10 to 55 Hz dual amplitude width 1.5mm.
- Shock:
 - Endurance 1,000 m/S².
 - Error Operation..... 100 m/S².
- Life Expectancy:
 - Electrical 10⁵ Operations at Rated Resistive Load.
 - Mechanical..... 10⁷ Operations at No load condition.
- Weight About 12.5 g.

Accessories & Sockets

- PI-50BE See Page 151
- PI-50BE/3 See Page 151
- PI-50-0..... See Page 152

Safety Standard & Its File Number

- C-UL E141060
- TÜV R3-50008955
- VDE 40009648

