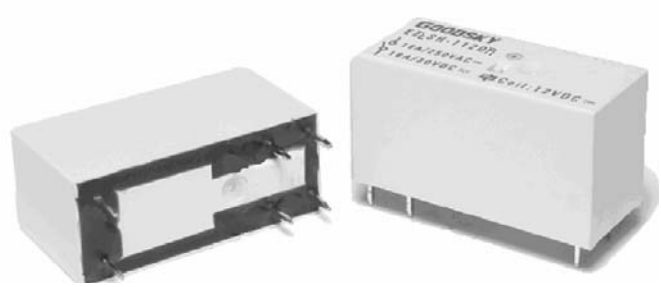

Main Feature

1. EZL Series Relays are designed for switching capacity by 10A to comply with industrial control system use.
2. Slim type and low profile (29.0 x 12.6 x 15.6 mm) is developed to provide end users with more flexibility in PC Board design.
3. 1 N/O contact with a tungsten pre-make contact .
4. Proper insulation distance is equipped to ensure EZL 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.

Contact Rating

Load Type	EZL (DM)
Rated Load (Resistive)	10A 250VAC
	10A 30VDC
Rated Carrying Current	10A
Max. Allowable Voltage	AC 250V
	DC 30V
Max. Allowable Current	10A
Max. Allowable Power Force	2500VA
	300W
Contact Material	R: Ag Alloy, L: W
Contact Capacity	Tungsten Load : 2500VA/250VAC
Contact Form	SPST

Application

Lamp Control, Audio Equipment, Domestic Appliance and Controlling Equipment…etc.

Performance (at Initial Value)

- Contact Resistance ..... 100 mΩ Max. @1A,6VDC
- Operate Time ..... 8 mSec. Max.
- Release Time ..... 3 mSec. Max.
- Dielectric Strength:
  Between Coil & Contact ..... 4,000VAC 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 ..... -40~70 °C.
- Vibration:
  Endurance ..... 10 to 55 Hz dual amplitude width 1.5 mm
  Error Operation ..... 10 to 55 Hz dual amplitude width 1.5mm.
- Humidity Range ..... 45~85% RH.
- Coil Temperature Rise ..... 45 °C Max.
- Shock:
  Endurance ..... 1,000 m/S^2 .
  Error Operation ..... 100 m/S^2 .
- Life Expectancy:
  Electrical ..... $5x10^4$ Operations at Rated Resistive Load.
  $4x10^4$ Operations at Tungsten Load.
  Mechanical ..... $5x10^6$ 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

- In Progress

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage	Nominal Current (mA)		Coil Resistance (Ω±10%)	Power Consumption (W)		Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
		50HZ	60HZ		50HZ	60HZ			
EZL DC Coil	6	80		75	Abt. 0.48		75% Maximum	7.5% Minimum	130%
	9	53.3		169					
	12	40		300					
	18	26.7		674					
	24	20		1200					
	48	10		4800					
	60	8		7500					

Ordering Information

EZL - **SS** - **1** **12** **D** **M**

Contact Material	R: $AgSnO_2$, L: W
Contact Form:	**M**: One Form A
Coil Type:	**D**: DC Coil
Coil Voltage:	**06**: 6V, **09**: 9V, **12**: 12V, **18**: 18V, **24**: 24V, **48**: 48V, **60**: 60V
Number of Pole:	**1**: One Pole
Type of Sealing:	**SS**: Flow Solder Type **SH**: Plastic Sealed Type
Type:	**EZL**

Classification

Model	**EZL**
Coil Sensitivity	DC Coil
Contact Form	1A
Flow Solder Type	EZL -SS-1□□□DM
Plastic Sealed Type	EZL-SH-1□□□DM

Dimension (≦ 5mm± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

EZL-SS-SH