

Main Feature

- ZEM Series Relays are designed for switching capacity by 30A to comply with industrial control system use.
- 2. Compatible fasten terminal arrangement with this kind of power relay.
- 3. Simple magnetic circuit to meet mass production for low cost offer.
- 4. Standard type contact form SPDT and SPST are available for customers' selection.
- 5. Operating ambient temperature range covers from -40°C to 85°C.

Contact Rating

Load Type	ZEM (DM/LM)	ZEM (D/L)
	30A 12VDC	NO: 30A 12VDC
Rated Load (Resistive)	15A 24VDC	15A 24VDC
	-	NC: 20A 12VDC
	-	10A 24VDC
Rated Carrying Current	30A	30A
Max. Allowable Voltage	DC 30V	DC 30V
Max. Allowable Current	30A	30A
Max. Allowable Power Force	360W	360W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

Application

For direct connection with Cell Motors, Transmission etc. and Anti-Locking Brake System.

Performance (at Initial Value)

0 Hz
0 Hz
Minut
V

Mechanical......300 Cycles per Minute.

- Temperature Range......-40~85 °C.
- Humidity Range45~80% RH.
- Coil Temperature Rise.......60 °C Max.
- Vibration:

Endurance	10 to 55 Hz dual		
	amplitude width 1.5 mm		
Error Operation	10 to 55 Hz dual		
	amplitude width 1.5mm.		

Shock:

Life Expectancy:

Electrical......10⁵ Operations at Rated Resistive Load. Mechanical10⁷ Operations at

■ Weight.....About 20 g.

Safety Standard & Its File Number

■ NIL.



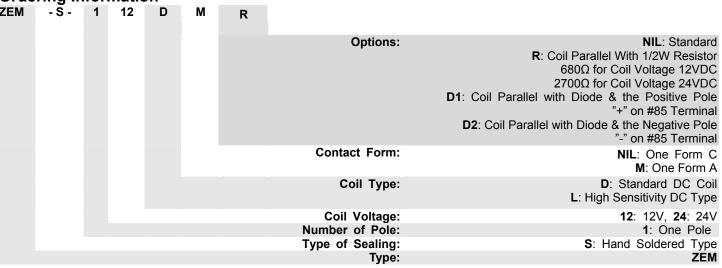
No load condition.



Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage(VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W±10%)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
ZEM-D	12	133	90	Abt 1.6	8	1.2	
ZEM-D	24	67	360	Abt. 1.6	16	2.4	1200/
75141	12	100	120	Ab+ 1.0	8	1.2	130%
ZEM-L	24	50	480	480 Abt. 1.2	16	2.4	

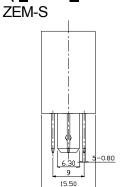
Ordering Information

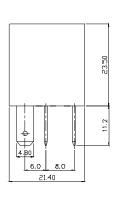


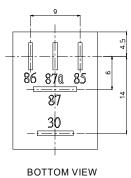
Classification

Model	ZEM				
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Type		
Contact Form	1C	1A	1C	1A	
No Bracket Standard	ZEM-S-1□□D	ZEM -S-1□□DM	ZEM -S-1□□L	ZEM -S-1□□LM	
Coil Additional Parts	Please add your choice Coil Parallel "R \ D1 or D2" at the back of all above-mentioned part number				

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







Electric diagrams

