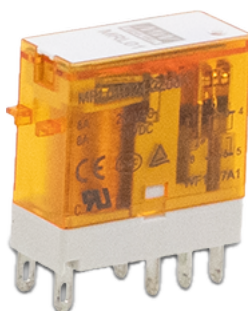




Miniature Intermediate Power Relay

MRL01D24-2Z08A



■ Features

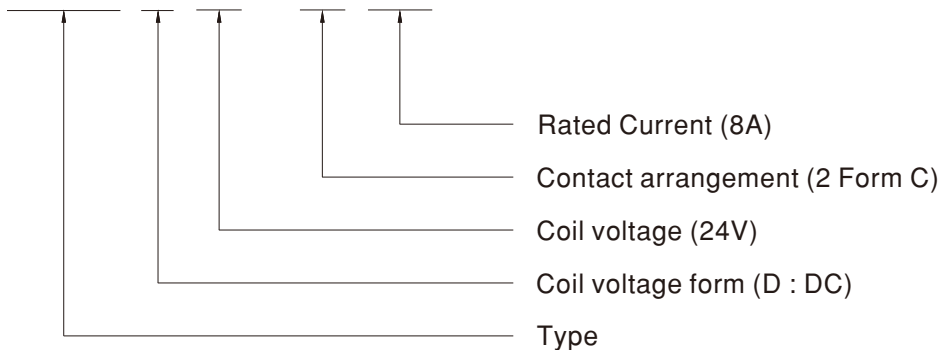
- High capacity 2 pole:8A
- 2 pole configurations
- 5kV dielectric strength(between coil and contacts)
- Sockets available

■ Applications

- Industrial Automation
- PLC Control Systems
- Power Supply Control and Protection

■ Model Encoding

MRL01 D 24 - 2Z 08A

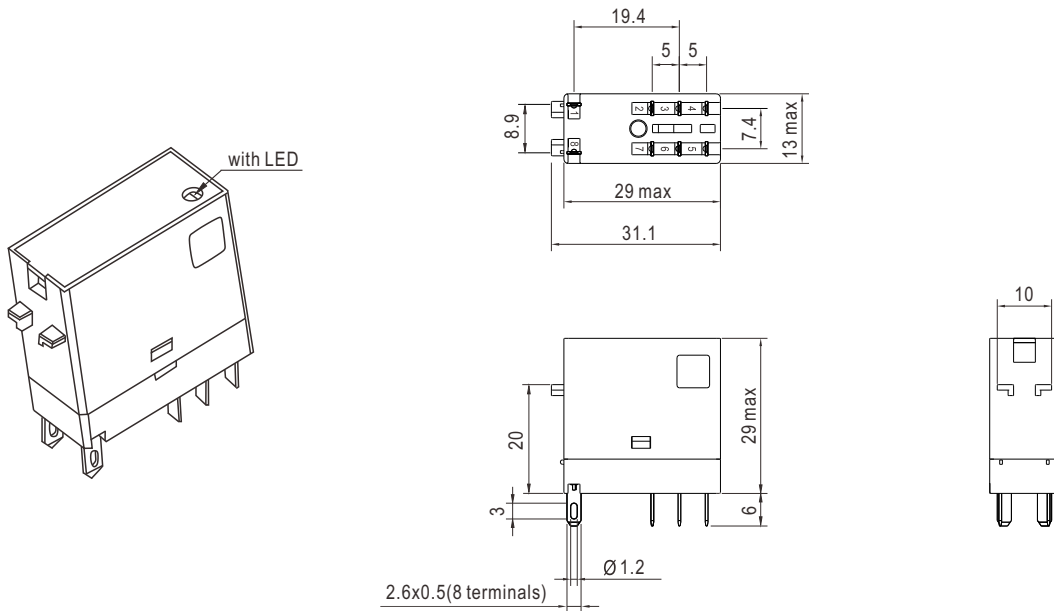




SPECIFICATION			
CONTACT DATA			
CONTACT ARRANGEMENT		2Z	
CONTACT RESISTANCE	Note.1	100mΩ (1A 6VDC)	
CONTACT MATERIAL		AgSnO2 Alloy	
CONTACT RATING(Res. load)		2Z:8A 250VAC/30VDC	
MAX.SWITCHING VOLTAGE		250VAC/30VDC	
MAX.SWITCHING CURRENT		2Z:10A	
MAX.SWITCHING POWER		2Z:2500VA/300W	
MECHANICAL ENDURANCE		AC : 3 x 10 ⁷ OPS, DC : 5 x 10 ⁷ OPS	
ELECTRICAL ENDURANCE		1 x 10 ⁵ OPS (2Z : 8A 250VAC/30VDC, Resistive load, Room temp, 1s on 9s off, NO or NC)	
CHARACTERISTICS			
INSULATION RESISTANCE		1000MΩ (at 500VDC)	
DIELECTRIC STRENGTH	BETWEEN COIL & CONTACTS	5000VAC 1min	
	BETWEEN OPEN CONTACTS	1000VAC 1min	
	BETWEEN CONTACT SETS	3000VAC 1min	
OPERATE TIME (at nomi. volt.)		15ms max	
RELEASE TIME (at nomi. volt.)		20ms max. (AC : With diode or RC circuit), DC : 10ms max	
SHOCK RESISTANCE	FUNCTIONAL	98m/s ²	
	DESTRUCTIVE	980m/s ²	
VIBRATION RESISTANCE		10Hz ~ 55Hz 1.5mm DA	
HUMIDITY		5% ~ 85% RH	
AMBIENT TEMPERATURE		-40℃ ~ 70℃	
TERMINATION		Plug-in	
UNIT WEIGHT		Approx. 23.5g(button type), Approx.22g (without button type)	
CONSTRUCTION		Dust protected	
COIL			
COIL POWER		DC : 0.53W ; AC : 0.9VA	
COIL DATA at 23 °C			
NOMINAL VOLTAGE VDC		24	
PICK-UP VOLTAGE VDC		16.8	
DROP-OUT VOLTAGE VDC		2.4	
MAX. ALLOWABLE VOLTAGE VDC		26.4	
COIL RESISTANCE Ω		1080 x (1±10%)	
SAFETY APPROVAL RATINGS			
UL/CUL	2Z	Note.2	8A 250VAC/30VDC Resistive load 70℃ , 10A 250VAC/30VDC Resistive load 70℃
TUV	2Z	Note.2	8A 250VAC/30VDC Resistive load 70℃ , 10A 250VAC/30VDC Resistive load 70℃
NOTE			
1.The data shown above are initial values.			
2.Only some typical ratings are listed above. If more details are required, please contact us.			
※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			

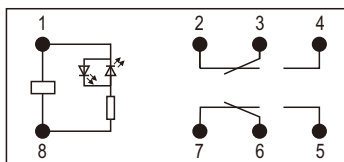
■ OUTLINE DIMENSIONS

- All dimensions in mm
- In case of no tolerance shown in outline dimension:
outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$
outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$
outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$
- The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.



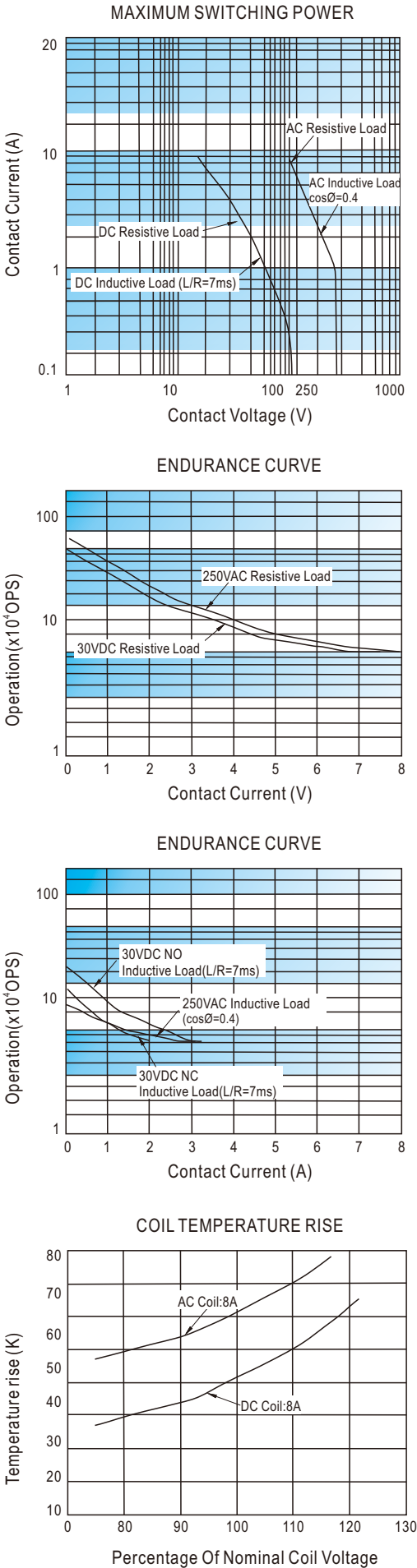
■ WIRING DIAGRAM AND PC BOARD LAYOUT

- MRL01D24-2Z08A(with LED)



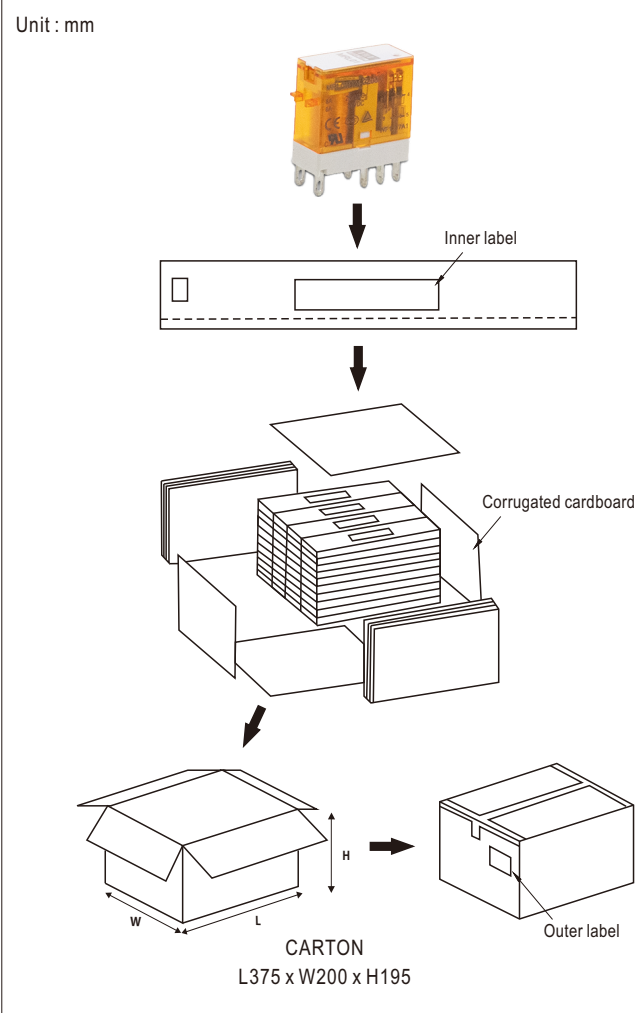
Bottom view

CHARACTERISTIC CURVES





Packing

Standard Tube Packing	MPQ Per Tube (PCS)	One Tube G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
Unit : mm  Inner label Corrugated cardboard CARTON L375 x W200 x H195 Outer label	10	270g	400	10.8Kg