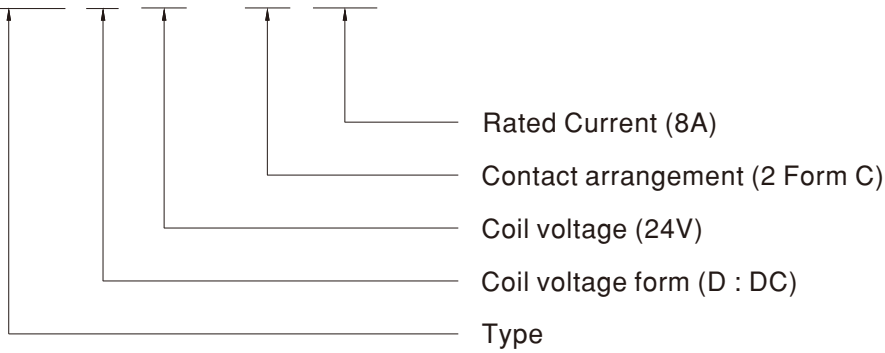


## ■ Features

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

## ■ Model Encoding

**MRL01 D 24 - 2Z 08A**

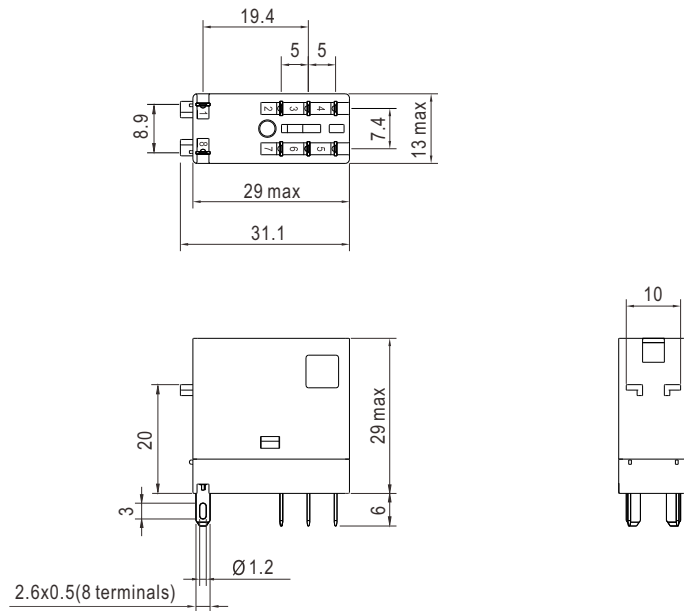
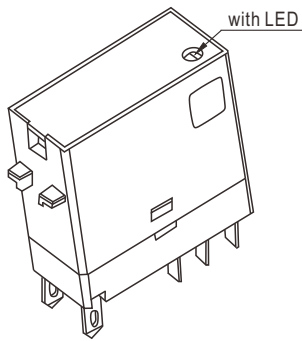




SPECIFICATION		
<b>CONTACT DATA</b>		
CONTACT ARRANGEMENT		2Z
CONTACT RESISTANCE	Note.1	100mΩ (1A 6VDC)
CONTACT MATERIAL		AgSnO2 Alloy
CONTACT RATING(Res. load)		2Z:8A 250VAC/30VDC
MAX.SWITCHING VOLTAGE		250VAC/30VDC
MAX.SWITCHING CURRENT		2Z:10A
MAX.SWITCHING POWER		2Z:2500VA/300W
MECHANICAL ENDURANCE		AC : 3 x 10 <sup>7</sup> OPS, DC : 5 x 10 <sup>7</sup> OPS
ELECTRICAL ENDURANCE		1 x 10 <sup>5</sup> OPS (2Z : 8A 250VAC/30VDC, Resistive load, Room temp, 1s on 9s off, NO or NC)
<b>CHARACTERISTICS</b>		
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 <sup>2</sup>
	DESTRUCTIVE	980m/s <sup>2</sup>
VIBRATION RESISTANCE		10Hz ~ 55Hz 1.5mm DA
HUMIDITY		5% ~ 85% RH
AMBIENT TEMPERATURE		-40°C ~ 70°C
TERMINATION		Plug-in
UNIT WEIGHT		Approx. 23.5g(button type), Approx.22g (without button type)
CONSTRUCTION		Dust protected
<b>COIL</b>		
COIL POWER		DC : 0.53W ; AC : 0.9VA
<b>COIL DATA at 23 °C</b>		
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%)
<b>SAFETY APPROVAL RATINGS</b>		
UL/CUL	2Z Note.2	8A 250VAC/30VDC Resistive load 70°C, 10A 250VAC/30VDC Resistive load 70°C
TUV	2Z Note.2	8A 250VAC/30VDC Resistive load 70°C, 10A 250VAC/30VDC Resistive load 70°C
<b>NOTE</b>		
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 <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a>		

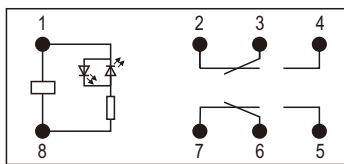
## OUTLINE DIMENSIONS

- 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  $\pm 0.1\text{mm}$ .



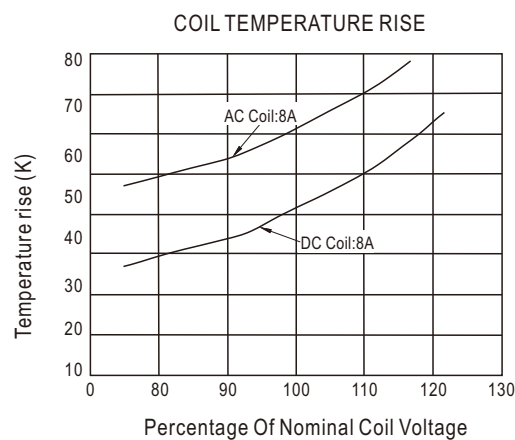
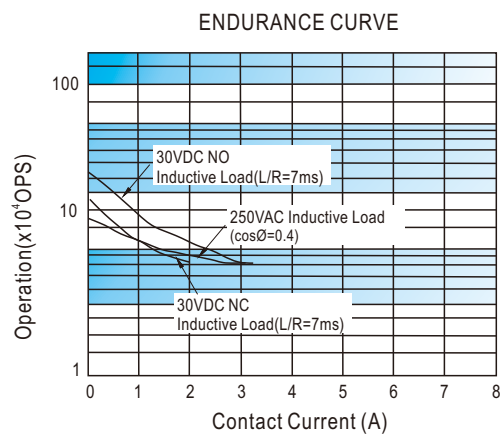
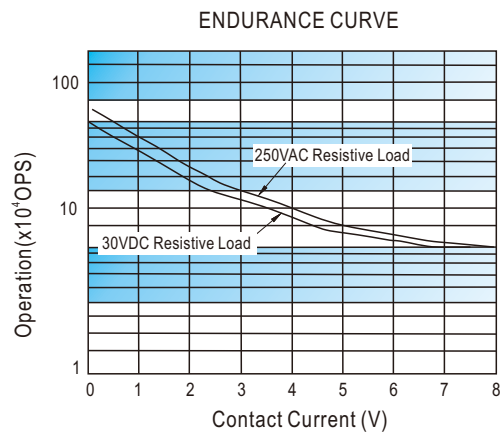
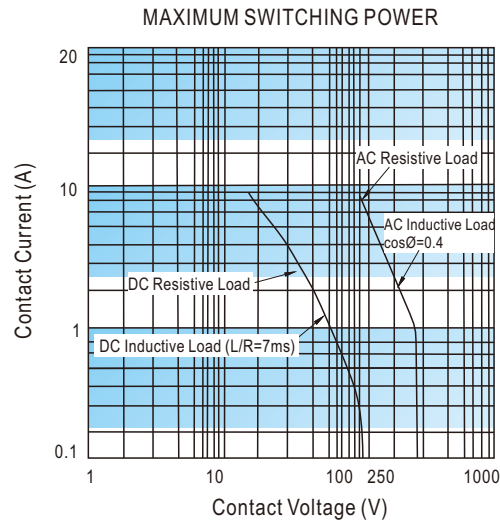
## WIRING DIAGRAM AND PC BOARD LAYOUT

- 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.
<p>Unit : mm</p> <p>CARTON L375 x W200 x H195</p>	10	270g	400	10.8Kg