



Relay Socket

MRLS01-2Z



■ Features

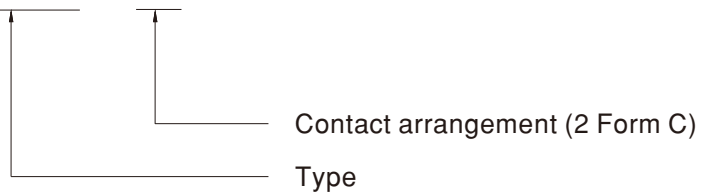
- The dielectric strength can reach 4000VAC(I/O), and the insulation resistance is 1000MΩ
- DIN rail mounting options are available
- Applicable for:MRL01D24-2Z08A

■ Applications

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

■ Model Encoding

MRLS01 - 2Z



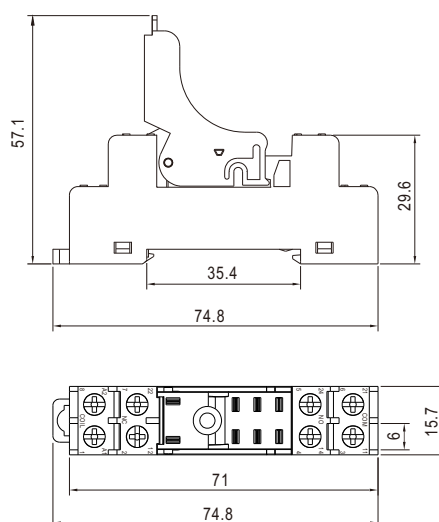


SPECIFICATION		
RATING		
RATED VOLTAGE		250VAC
RATED CURRENT		8A
TERMINALS & MOUNTING		
TERMINALS		Screw terminals
MOUNTING		DIN rail or screw terminals
MOUNTING DIRECTION		When installed vertically, the coil terminal at the bottom please; Others,free.
SUITABLE RAIL		DIN standard rail TH35-7.5
PERFORMANCE		
PLUG-IN FORCE		≤120 N (12 kgf)
PULL-OUT FORCE		8 N ~ 120 N (0.8 kgf ~ 12 kgf)
TERMINAL TORQUE		1.0 N·m (10 Kgf·cm)
CONTACT RESISTANCE		≤50 mΩ (6 Vd.c. 1A)
INSULATION RESISTANCE		1000MΩ (500Vd.c.)
DIELECTRIC STRENGTH	LEAKAGE CURRENT	1mA
	BETWEEN COIL & CONTACTS	4000 Va.c. (50 Hz 1 min)
	HOMOPOLAR CONTACTS	≥ 1000 Va.c
	HETEROSPOLAR CONTACTS	≥ 3000 Va.c.
VIBRATION		10 Hz~55 Hz, Double amplitude 1.0mm
SHOCK		98 m/s ² (10 g) ,6 ms
TEMPERATURE RESISTANCE	HEAT RESISTANCE	Keep socket into 70℃ ±2℃, for 2h, then put it into room temperature for 2 h ,socket structure and feature should be proper
	COLD RESISTANCE	Keep socket into -40℃ ±2℃, for 2h, then put it into room temperature for 2h, socket structure and feature should be proper
MOISTURE RESISTANCE		Keep socket into 40℃ ±2℃, Humidity 90% RH ~ 95% RH for 48h, then put it into room temperature for 2h, Socket Insulation Resistance >10 MΩ(500 Vd.c. 1s), Dielectric Strength ≥1500 Va.c.(50 Hz 1s)
SERVICE LIFE		Number of plug-in and draw-out 50 times Min
MARKING		
CASE COLOR		Black
STANDARD TEST CONDITIONS		
TEMPERATURE		15 °C ~ 35℃
HUMIDITY		25% ~ 75% RH
DIRECTION OF MEASUREMENT		When installed vertically, the coil terminal at the bottom please ; Others, free
OPERATE AMBIENT CONDITIONS		
AMBIENT TEMPERATURE		-40℃ ~ 70℃
AMBIENT HUMIDITY		5% ~ 85% RH
STORAGE CONDITIONS		
TEMPERATURE		0℃ ~ 40℃
HUMIDITY		20% ~ 80% RH
ENVIRONMENT	(1) Storage no harmful gas	
	(2) Storage prevent from direct sun-light	
NOTE		
1.All the performance data listed in the datasheet are the initia values tested under standard test conditions. 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

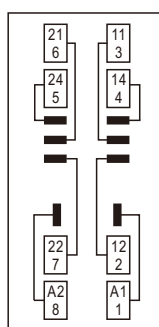
- All dimensions in mm
- In case of no tolerance shown in outline dimension:
outline dimension $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$
outline dimension $> 5\text{mm}$ and $\leq 20\text{mm}$, tolerance should be $\pm 0.4\text{mm}$
outline dimension $> 20\text{mm}$ and $\leq 50\text{mm}$, tolerance should be $\pm 0.5\text{mm}$
outline dimension $> 50\text{mm}$, tolerance should be $\pm 1.0\text{mm}$
- PCB outline dimensions with no tolerance specified $\pm 0.2\text{mm}$.

Socket with retaining ring



WIRING DIAGRAM AND PC BOARD LAYOUT

- MRLS01-2Z



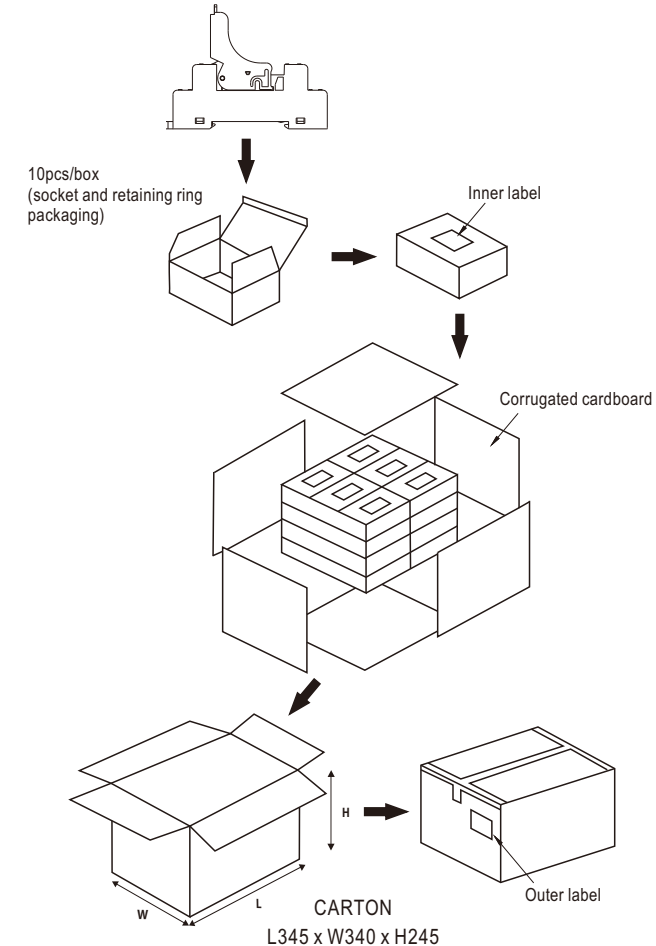
Top view

21	11	6	3
24	14	5	4
22	12	7	2
A2	A1	8	1

European Standard

Japanese Standard

■ Packing

Standard Tube Packing	MPQ Per Box (PCS)	One Box G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
Unit : mm  10pcs/box (socket and retaining ring packaging) Inner label Corrugated cardboard CARTON L345 x W340 x H245 Outer label	10	340g	240	8.8Kg