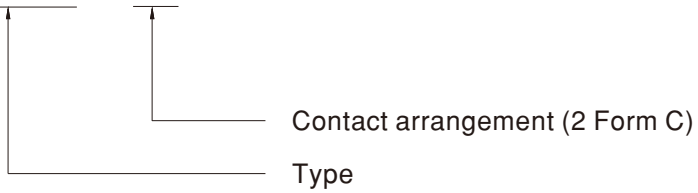


■ Features

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

■ Model Encoding

MRLS01 - 2Z



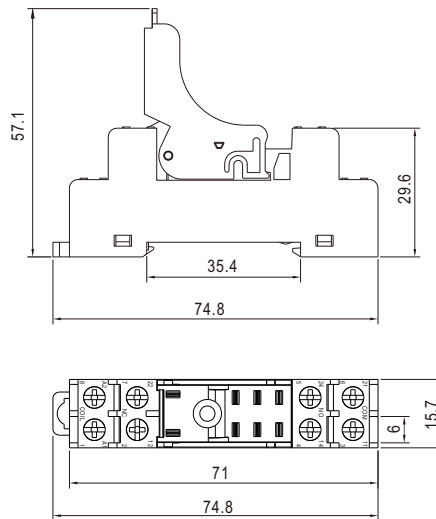


| SPECIFICATION | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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°C ±2°C, for 2h, then put it into room temperature for 2 h ,socket structure and feature should be proper |
| | COLD RESISTANCE | Keep socket into -40°C ±2°C, for 2h, then put it into room temperature for 2h, socket structure and feature should be proper |
| MOISTURE RESISTANCE | Keep socket into 40°C ±2°C, 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°C | |
| 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°C ~ 70°C | |
| AMBIENT HUMIDITY | 5% ~ 85% RH | |
| STORAGE CONDITIONS | | |
| TEMPERATURE | 0°C ~ 40°C | |
| 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

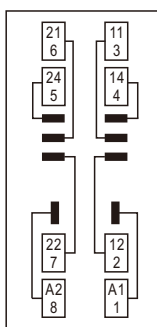
- All dimensions in mm
- In case of no tolerance shown in outline dimension:
 - outline dimension $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$
 - outline dimension $> 5\text{mm}$ and $\leq 20\text{mm}$, tolerance should be $\pm 0.4\text{mm}$
 - outline dimension $> 20\text{mm}$ and $\leq 50\text{mm}$, 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. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|---------------------------|--------------------|
| <p>Unit : mm</p> <p>10pcs/box (socket and retaining ring packaging)</p> <p>Inner label</p> <p>Corrugated cardboard</p> <p>CARTON L345 x W340 x H245</p> <p>Outer label</p> | 10 | 340g | 240 | 8.8Kg |