

**Features**

- Continual rated voltage AC150V-AC600V.
- Lightning surge protection for both single and three phase application.
- Maximum discharge current 8/20 $\mu$ s-5,000A.
- Every pathway consists of same elements.  
Between line and line/between lines and ground can protect as the same level.
- Business equipment Compliant to IEC60950

**Applications**

- Tapping machine, CNC turning machine, general machinery.

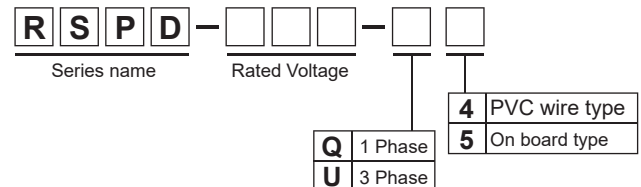


| Safety Standard |                 | File No.* |
|-----------------|-----------------|-----------|
| UL              | :UL1449         | E322107   |
| cUL             | :C22.2 No.269.5 |           |
| TÜV             | :EN62368-1      | J50354669 |
|                 | :IEC62368-1     |           |

\* File No. may be revised without notice. Please contact us at the time of your request for certifications.



## • Model numbering system

**Electrical Specifications**

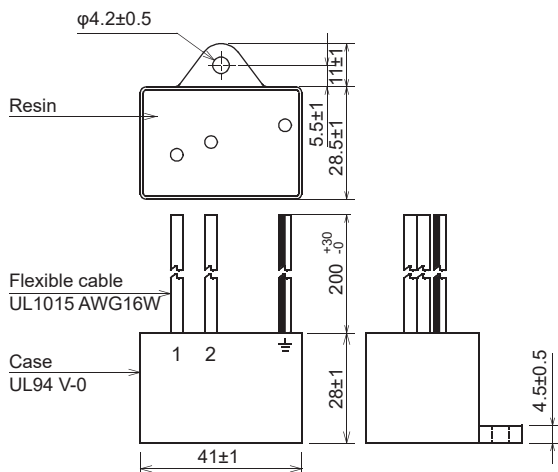
| Safety Standard                                                                                                                                                                        | Model Number* | Rated Voltage 50/60Hz |        | DC Operating Voltage (V)±25% | Voltage Protection Level (V) | Normal Discharge Current 8/20μs (A) | Max. Discharge Current 8/20μs (A) | Impulse life test 8/20μs-1,000A |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|--------|------------------------------|------------------------------|-------------------------------------|-----------------------------------|---------------------------------|
| <div><br/></div> | RSPD-150-Q□   | Single Phase          | AC150V | 400                          | 800                          | 2,500                               | 5,000                             | Approx. 300times                |
|                                                                                                                                                                                        | RSPD-250-Q□   | Single Phase          | AC250V | 700                          | 1,300                        |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-250-U□   | Three Phase           |        |                              |                              |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-420-Q□   | Single Phase          | AC420V | 1,100                        | 1,500                        |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-420-U□   | Three Phase           |        |                              |                              |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-500-Q□   | Single Phase          | AC500V | 1,300                        | 2,000                        |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-500-U□   | Three Phase           |        |                              |                              |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-600-Q□   | Single Phase          | AC600V | 1,500                        | 2,500                        |                                     |                                   |                                 |
|                                                                                                                                                                                        | RSPD-600-U□   | Three Phase           |        |                              |                              |                                     |                                   |                                 |

\* □: PVC wire type=4, on board type=5  
Operating Temperature: -40~+70°C

• Dimensions

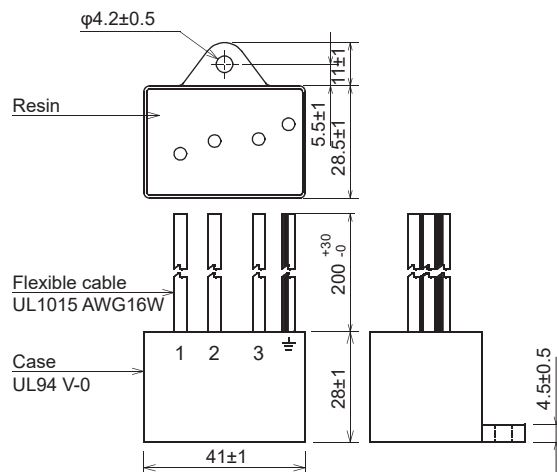
RSPD-□□□-Q series (Single-Phase)

Wire terminal type (-4)

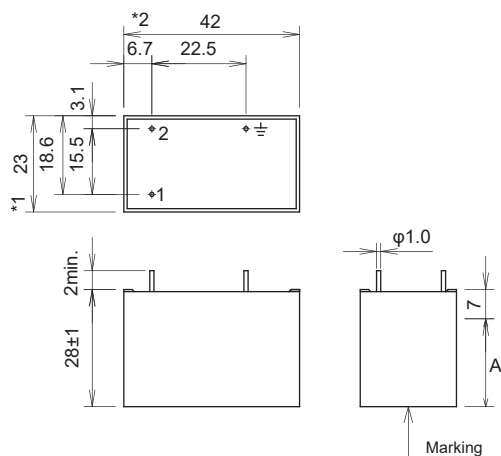


RSPD-□□□-U series (Three-Phase)

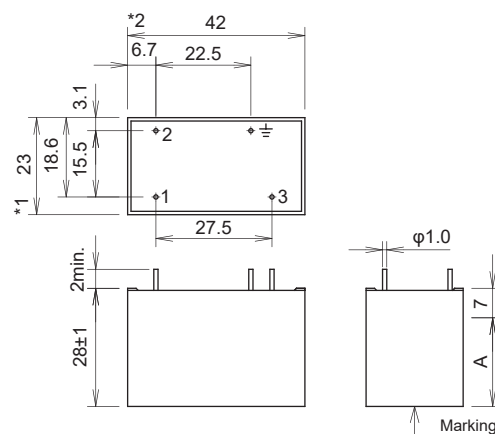
Wire terminal type (-4)



Solder lead type (-5)



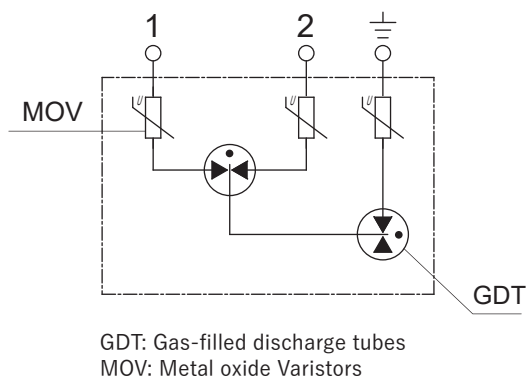
Solder lead type (-5)



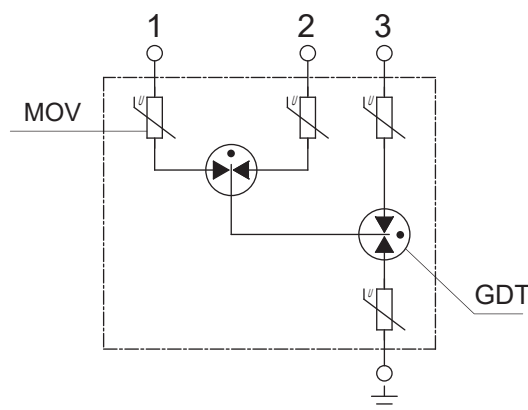
Unit: mm  
(A, \*1, \*2 Tolerance: ±0.5)  
Tolerance: ±1.0

• Circuit

RSPD-□□□-Q series



RSPD-□□□-U series



Flexible wires in black color can connect to each phase without any specific control.