

Data Sheet for Article: RPSET4024-

# SET: PCB Relay, 2 CO, 8A, 24VDC, 5mm/ Socket/Retaining clip

Wash tight, PBC relay with marking tag, S-Relay, series RPS



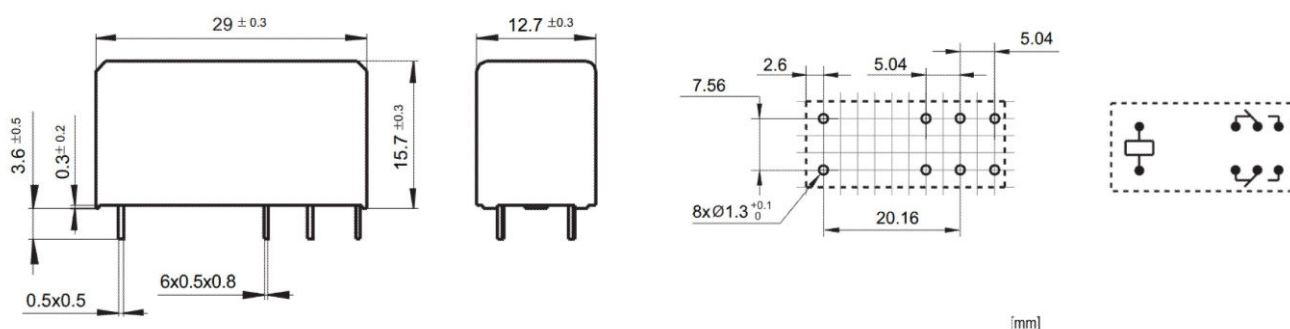
## Technical Data

|                                        |                           |
|----------------------------------------|---------------------------|
| Min. ambient temperature (°C)          | -40                       |
| Max. ambient temperature (°C)          | 85                        |
| Rated current [Resistive load] (A)     | 8                         |
| Rated voltage [Resistive load]         | 250VAC                    |
| Switching capacity [Resistive]         | 2000VA                    |
| Maximum voltage (V)                    | 440VAC/300VDC             |
| Contact material                       | AgNi                      |
| Initial contact resistance (Ohm)       | ≤100mΩ (1A 6VDC)          |
| Electrical endurance (Operation cycle) | 50000                     |
| Mechanical durability                  | 10000000 Operating cycles |
| Insulation resistance (MΩ*km)          | 1000MΩ (500VDC)           |
| <b>Initial breakdown voltage</b>       |                           |
| Between open contacts                  | 1000VAC 1min              |
| Between poles                          | 2500VAC 1min              |
| Between contact and coil               | 5000VAC 1min              |
| Operate time [at nominal voltage] (ms) | 15ms max                  |
| Release time [at nominal voltage] (ms) | 8ms max                   |

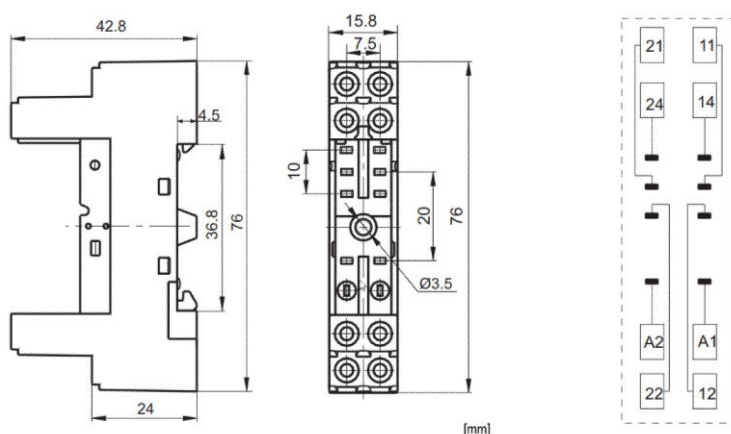
## Technical Data - continued

|                                    |                     |
|------------------------------------|---------------------|
| Vibration resistance               | 10Hz - 150Hz 10g/5g |
| Humidity (%)                       | 5% - 85% RH         |
| <b>Coil information</b>            |                     |
| Rated voltage DC                   | 24V                 |
| Pick-up voltage DC (V)             | 16.8V               |
| Drop-out voltage DC                | 2.4V                |
| Coil resistance                    | 1400 x (1±10%)Ω     |
| <b>Socket</b>                      |                     |
| Rated voltage                      | 250V-AC             |
| Rated current (A)                  | 8                   |
| Temperature range - Operation (°C) | -40 to +70          |
| Dielectric strength                | 5000VAC             |
| Tightening torque (Nm)             | 0,6                 |

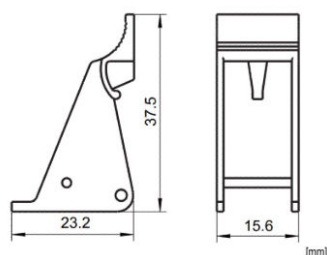
## Dimensions and Circuit Diagram: Relay



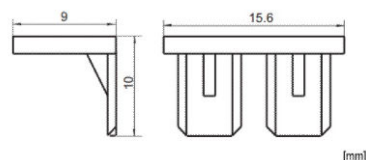
## Dimensions and Circuit Diagram: Socket



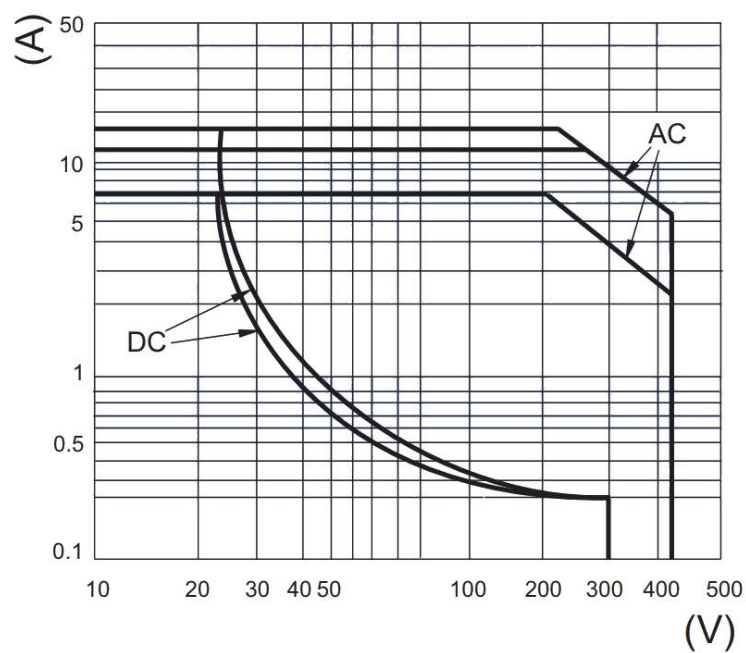
## Dimensions: Retaining clip



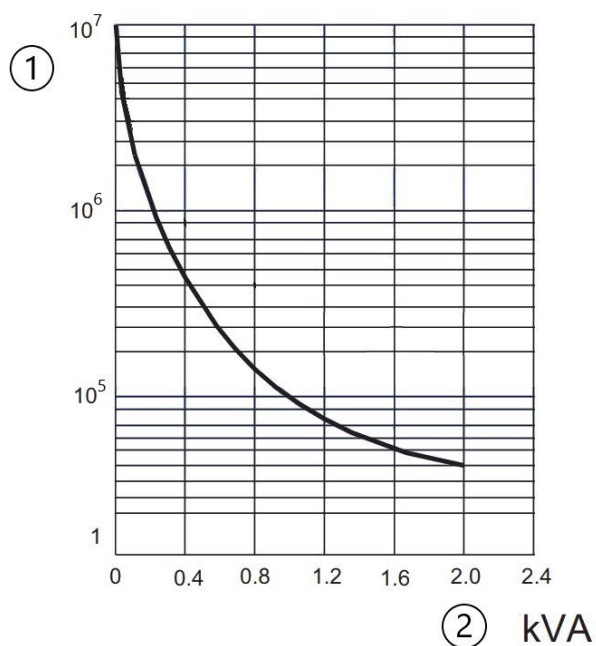
## Dimensions: Marking tag



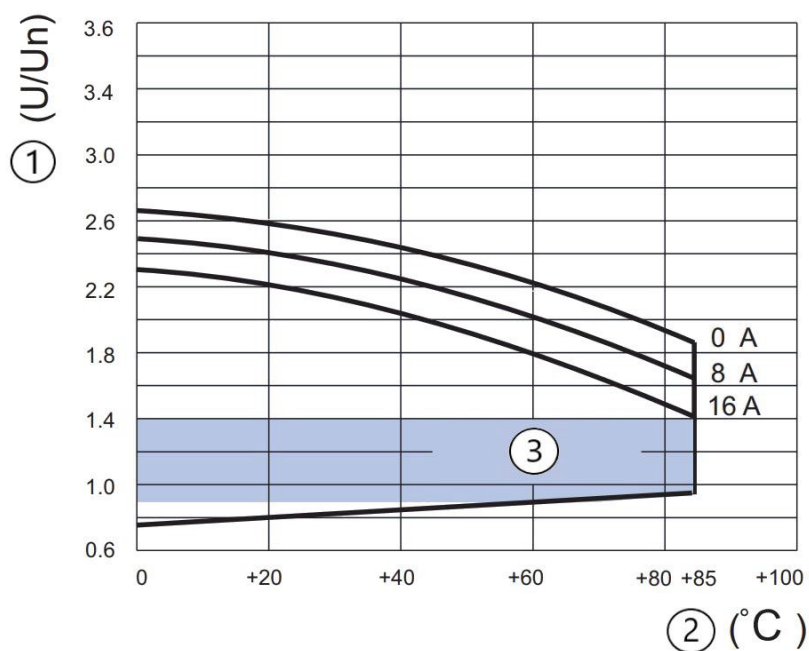
## Maximum switching power



## Electrical endurance 1) Operations 2) Breaking capacity



## Coil operating range 1) Coil voltage 2) Ambient temperature 3) Recommended voltage



| DESCRIPTION                                                 | Order No. |
|-------------------------------------------------------------|-----------|
| SET: PCB Relay, 2 CO, 8A, 24VDC, 5mm/Socket/Retaining clip  | RPSET4024 |
| Wash tight, PBC relay with marking tag, S-Relay, series RPS |           |