



# THE DATASHEET OF 8530671001

**PLUGSERIES**  
**PRS 230Vac LD 1CO****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



High power/currents can be safely switched with the PLUGSERIES. The modular system enables conventional relays and LED indicators simply to be plugged in. Retaining and disassembly clips provide a secure mount. Pre-assembled relays with 1 or 2 changeover contacts and input voltages from 24V to 230V round of the product range. Plug-in ZQV 2.5 cross-connectors enable relay multiplexers to be set up quickly thanks to simple side-by-side mounting.

**General ordering data**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">8530671001</a>                                                                                                                              |
| Type       | PRS 230Vac LD 1CO                                                                                                                                       |
| Version    | PLUGSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 230 V AC $\pm 10\%$ , Continuous current: 16 A, Screw connection |
| GTIN (EAN) | 4032248216321                                                                                                                                           |
| Qty.       | 10 pc(s).                                                                                                                                               |

## PLUGSERIES PRS 230Vac LD 1CO

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Ratings

|                                 |                     |            |                                             |
|---------------------------------|---------------------|------------|---------------------------------------------|
| Conductor connection system     | Screw connection    | Humidity   | 40 °C / 93 % rel. humidity, no condensation |
| UL 94 flammability rating       | V-0                 | Relay type | SIEMENS RT 1                                |
| Wire cross-section, solid, max. | 2.5 mm <sup>2</sup> |            |                                             |

### Dimensions and weights

|       |         |            |        |
|-------|---------|------------|--------|
| Width | 15.3 mm | Height     | 92 mm  |
| Depth | 95 mm   | Net weight | 74.7 g |

### Temperatures

|                       |                 |                     |                 |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+50 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------|-----------------|---------------------|-----------------|

### Connection data

|                                        |                     |                                                      |                     |
|----------------------------------------|---------------------|------------------------------------------------------|---------------------|
| Clamping range, rated connection       | 2.5 mm <sup>2</sup> | Clamping range, rated connection, min.               | 0.5 mm <sup>2</sup> |
| Clamping range, rated connection, max. | 2.5 mm <sup>2</sup> | Tightening torque, max.                              | 0.7 Nm              |
| Stripping length, rated connection     | 8 mm                | Wire connection cross section, finely stranded, max. | 2.5 mm <sup>2</sup> |

### Input

|                                     |                  |                  |           |
|-------------------------------------|------------------|------------------|-----------|
| Rated control voltage               | 230 V AC ± 10 %  | Rated current AC | 4.2 mA    |
| Coil resistance                     | 32,500 Ω ± 15 %  | Power rating     | 0.75 VA   |
| Response / drop-out voltage AC coil | 172.5 V / 34.5 V | Status indicator | Green LED |

### Output

|                         |                                         |                                        |             |
|-------------------------|-----------------------------------------|----------------------------------------|-------------|
| Rated switching voltage | 250 V AC                                | Max. switching voltage, AC             | 400 V       |
| Continuous current      | 16 A                                    | making current                         | 30 A / 4 s  |
| Max. switching power    | 4000 VA                                 | Response time                          | 8 ms / 6 ms |
| Min. switching power    | 100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA | Max. switching frequency at rated load | 0.1 Hz      |

### Contact specifications

|                  |            |                         |                                       |
|------------------|------------|-------------------------|---------------------------------------|
| No. of contacts  | 1          | Contact design          | CO contact                            |
| Contact material | AgNi 90/10 | Mechanical service life | 10 x 10 <sup>6</sup> switching cycles |

### Insulation coordination

|                           |                         |                                                               |        |
|---------------------------|-------------------------|---------------------------------------------------------------|--------|
| Rated voltage             | 300 V AC <sub>eff</sub> | Clearance and creepage distances for control side - load side | > 8 mm |
| Impulse withstand voltage | 6 kV (1.2/50 µs)        | Protection degree                                             | IP 20  |
| Pollution severity        | 2                       | Surge voltage category                                        | III    |

### Other technical data

|                  |               |                             |           |
|------------------|---------------|-----------------------------|-----------|
| Version          | Relay coupler | Status indicator            | Green LED |
| Free-wheel diode | No            | Reverse polarity protection | No        |

### Further details of approvals / standards

|           |              |
|-----------|--------------|
| Standards | DIN EN 50178 |
|-----------|--------------|

Creation date March 8, 2013 11:32:10 PM CET

**PLUGSERIES**  
**PRS 230Vac LD 1C0**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 |            |             |

**Approvals**

Approvals

**Downloads**

Declaration of Conformity [K217\\_09\\_09.pdf](#)  
[3-D model](#)

**PLUGSERIES**  
**PRS 230Vac LD 1CO****Weidmüller Interface GmbH & Co. KG**

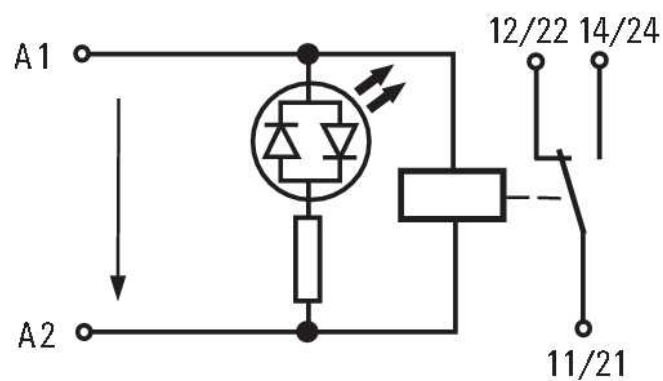
Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Electric symbol****AC-Version**

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 8530671001](#) on WIN SOURCE

 [Weidmuller](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management