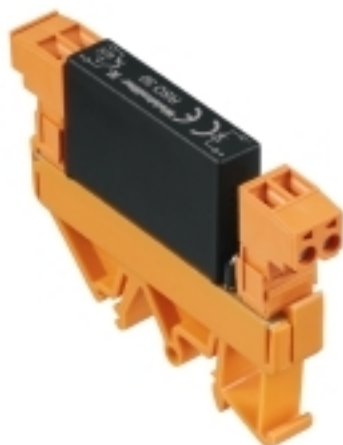


**RSO 30/DV 5-24V CC/SC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | RS-SERIES, Solid-state relay, Rated control voltage: 5...24 V DC $\pm 20\%$ , Rated switching voltage: 2...60 V DC, Continuous current: 3 A, Screw connection |
| Order No.  | <a href="#">9443100000</a>                                                                                                                                    |
| Type       | RSO 30/DV 5-24V CC/SC                                                                                                                                         |
| GTIN (EAN) | 4032248254262                                                                                                                                                 |
| Qty.       | 20 pc(s).                                                                                                                                                     |

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## Technical data

### Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 54 mm  | Depth (inches)  | 2.126 inch |
| Height     | 80 mm  | Height (inches) | 3.15 inch  |
| Width      | 11 mm  | Width (inches)  | 0.433 inch |
| Net weight | 38.3 g |                 |            |

### Temperatures

|                     |                                                |                       |                |
|---------------------|------------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                                 | Operating temperature | -25 °C...40 °C |
| Humidity            | 40 °C / 93 % rel. humidity,<br>no condensation |                       |                |

### Environmental Product Compliance

|            |                |      |                                  |
|------------|----------------|------|----------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | Obb6ffa8-5128-4851-8566-612c40f2 |
|------------|----------------|------|----------------------------------|

### Control side

|                       |                        |                         |         |
|-----------------------|------------------------|-------------------------|---------|
| Rated control voltage | 5...24 V DC $\pm 20$ % | Nominal control current | 5 mA DC |
| Status indicator      | Green LED              |                         |         |

### Load side

|                         |                                   |                                               |                     |
|-------------------------|-----------------------------------|-----------------------------------------------|---------------------|
| Rated switching voltage | 2...60 V DC                       | Continuous current                            | 3 A                 |
| Rated switching current | 3 A                               | Switch-on delay                               | < 300 $\mu$ s       |
| Switch-off delay        | < 1 ms                            | Voltage drop at max. load                     | 1.6 V               |
| Leakage current         | $\leq 1$ mA                       | Min. switching current                        | 5 mA                |
| Short-circuit-proof     | No                                | Protective circuit, load side                 | Free-wheeling diode |
| Contact type            | 1 NO contact (Bipolar transistor) | max. switching frequency (DC control voltage) | 500 Hz              |

### General data

|      |              |        |        |
|------|--------------|--------|--------|
| Rail | TS 32, TS 35 | Colour | orange |
|------|--------------|--------|--------|

### Insulation coordination

|                           |       |                                                               |             |
|---------------------------|-------|---------------------------------------------------------------|-------------|
| Rated voltage             | 300 V | Pollution severity                                            | 2           |
| Surge voltage category    | III   | Clearance and creepage distances for control side - load side | $\geq 8$ mm |
| Impulse withstand voltage | 4 kV  |                                                               |             |

### Connection data

|                        |                     |                                  |                     |
|------------------------|---------------------|----------------------------------|---------------------|
| Wire connection method | Screw connection    | Clamping range, rated connection | 2.5 mm <sup>2</sup> |
| Clamping range, min.   | 0.5 mm <sup>2</sup> | Clamping range, max.             | 2.5 mm <sup>2</sup> |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001504    | ETIM 7.0    | EC001504    |
| ETIM 8.0    | EC001504    | ECLASS 9.0  | 27-37-16-04 |
| ECLASS 9.1  | 27-37-16-04 | ECLASS 10.0 | 27-37-16-04 |
| ECLASS 11.0 | 27-37-16-04 | ECLASS 12.0 | 27-37-16-04 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[DE\\_PA\\_5600\\_160311\\_001.pdf](#)

Engineering Data

[CAD data – STEP](#)

Engineering Data

[EPLAN, WSCAD](#)

Catalogues

[Catalogues in PDF-format](#)

## RSO 30/DV 5-24V CC/SC

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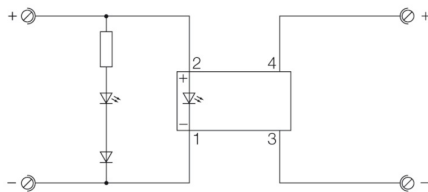
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# Drawings

## Wiring diagram



Schaltsymbol