

## RS-SERIES

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

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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www.weidmueller.com



Optos are available in different forms – from modular terminal enclosures to plug-in bases for terminal rail mounting.

For contactless switching and amplification of digital signals in automation engineering

Based on a wide enclosure platform, Weidmüller has the optimum component for every application.

Weidmüller solid-state relays and optos are available with rated voltages of 5...230 V on the input side.

Optional DC and AC outputs enable the switching of loads in the most diverse applications.

#### General ordering data

Type	RSO 30/DV 5-24V CC/SC
Order No.	<a href="#">9443 100000</a>
Version	RS-SERIES, solid-state relays, 1 NO contact (Bipolar transistor), Rated control voltage: 5...24 V DC $\pm 20\%$ , Rated switching voltage: 2...60 V DC, Continuous current: 3 A, Screw connection
GTIN (EAN)	4032248254262
Qty.	20 pc(s).

Creation date June 5, 2020 8:29:10 PM CEST

Catalogue status 03.06.2020 / We reserve the right to make technical changes.

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**Technical data**
**Dimensions and weights**

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

**Temperatures**

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	40 V DC (24,25 V DC +- 50 mV) potenzialfrei
Operating temperature, min.	-25 V DC (24,25 V DC +- 50 mV) potenzialfrei	Storage temperature, max.	85 V DC (24,25 V DC +- 50 mV) potenzialfrei
Storage temperature, min.	-40 V DC (24,25 V DC +- 50 mV) potenzialfrei	Operating temperature	-25 °C...40 °C
Storage temperature	-40 °C...85 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Control side**

Rated control voltage	5...24 V DC ±20 %	Nominal control current	5 mA DC
Status indicator	Green LED		

**Load side**

Rated switching voltage	2...60 V DC	Continuous current	3 A
Switch-on delay	< 300 µs	Switch-off delay	< 1 ms
Voltage drop at max. load	1.6 V	Leakage current	≤ 1 mA
Min. switching current	5 mA	Short-circuit-proof	No
Protective circuit, load side	Free-wheeling diode	max. switching frequency (DC control voltage)	500 Hz

**Contact data**

Contact type	1 NO contact (Bipolar transistor)
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**General data**

Rail	TS 32, TS 35	Colour	orange
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**Insulation coordination**

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

**Further details of approvals / standards**

Standards	DIN EN 50178
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**Data sheet**

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**Technical data**

**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
eClass 9.0	27-37-16-04	eClass 9.1	27-37-16-04
eClass 10.0	27-37-16-04	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA_5600_160311_001.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>

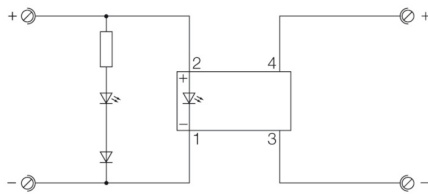
**Data sheet**

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**Drawings**

**Wiring diagram**



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