

RS-SERIES RSO 30/DV 5-24V CC/SA

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



Similar to illustration

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/SA
Order No.	9443110000
Version	RS-SERIES, solid-state relays, 1 NO contact (Triac (zero-cross switch)), Rated control voltage: 5...24 V DC $\pm 20\%$, Rated switching voltage: 24...250 V AC, Continuous current: 3 A, Screw connection
GTIN (EAN)	4032248254279
Qty.	20 pc(s).

RS-SERIES
RSO 30/DV 5-24V CC/SA

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**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	36.09 g		

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	40 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-25 °C...40 °C
Storage temperature	-40 °C...85 °C		

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	24...250 V AC	Continuous current	3 A
Rated switching current	3 A	Voltage drop at max. load	1.6 V
Leakage current	\leq 1 mA	Min. switching current	50 mA
Short-circuit-proof	No	Protective circuit, load side	Varistor
max. switching frequency (DC control voltage)	10 Hz		

Contact data

Contact type	1 NO contact (Triac (zero-cross switch))
--------------	--

General data

Mounting 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		

Further details of approvals / standards

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

Connection data

Wire connection method	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Data sheet

**RS-SERIES
RSO 30/DV 5-24V CC/SA**

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

Classifications

ETIM 3.0	EC001504	ETIM 4.0	EC001504
ETIM 5.0	EC001504	ETIM 6.0	EC001504
UNSPSC	30-21-18-01	eClass 5.1	27-27-09-90
eClass 6.2	27-27-09-90	eClass 7.1	27-27-09-90
eClass 8.1	27-27-09-90	eClass 9.0	27-27-09-90
eClass 9.1	27-37-16-04		

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
 Conformity

[DE_PA_5600_160311_001.pdf](#)

Engineering Data

[EPLAN, WSCAD](#)

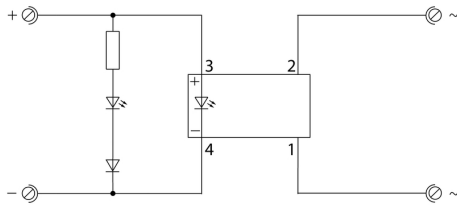
Data sheet

**RS-SERIES
RSO 30/DV 5-24V CC/SA**

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

Drawings

Wiring diagram



Schaltsymbol