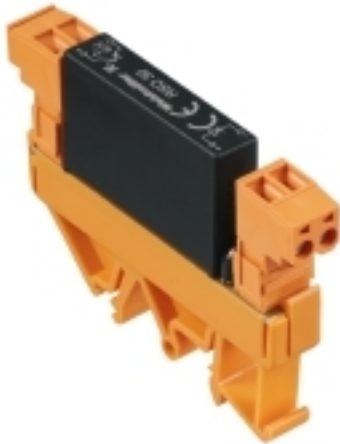


RS-SERIES

RSO 30/DV 5-24V CC/SC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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.	9443100000
Version	RS-SERIES, solid-state relais, 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).

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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 °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	2...60 V DC	Continuous current	3 A
Rated switching current	3 A	Switch-on delay	< 300 μ 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-wheel diode
max. switching frequency (DC control voltage)	500 Hz		

Contact data

Contact type	1 NO contact (Bipolar transistor)
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General data

Mounting 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	\geq 8 mm
Impulse withstand voltage	4 kV		

Further details of approvals / standards

Standards	DIN EN 50178
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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

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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

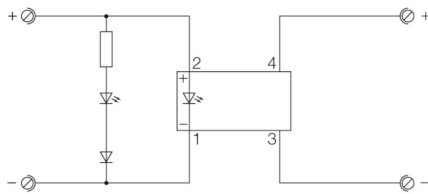
Data sheet

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Drawings

Wiring diagram



Schaltsymbol