

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

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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/SA
Order No.	9443110000
Version	Solid-state relay, Rated control voltage: 5...24 V DC $\pm 20\%$, Rated switching voltage: 24...250 V AC, Rated switching current: 3 A, Screw connection
GTIN (EAN)	4032248254279
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Width	11 mm	Height	80 mm
Depth	54 mm	Net weight	36.09 g

Temperatures

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

control side

Rated control voltage	5...24 V DC ± 20 %	Nominal control current	5 mA DC
Rated auxiliary voltage	No		

Load side

Solid-state type	Triac (zero-cross switch)	Rated switching voltage	24...250 V AC
Continuous current	3 A	Rated switching current	3 A
Switch-on delay	No-voltage switch	Voltage drop at max. load	1.6 V
Load side status indicator	LED green	Short-circuit-proof	No
Rated auxiliary voltage	No		

General data

Solid-state type	Triac (zero-cross switch)	No. of poles	1
Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Standards	DIN EN 50178		

Insulation coordination

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

Further details of approvals

Standards	DIN EN 50178
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Connection data

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

Classifications

ETIM 3.0	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		

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Technical data

Approvals

Approvals



ROHS

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Declaration of Conformity

[K242_10_09.pdf](#)

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Drawings

Electric symbol

