

**RS-SERIES**  
**RS031-OAC24/F**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

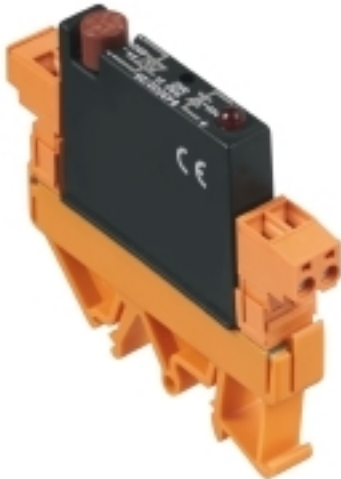
D-32758 Detmold

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Fon: +49 5231 14-0

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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	RS031-OAC24/F
Order No.	<a href="#">9430320000</a>
Version	RS-SERIES, solid-state relays, 1 NO contact (Triac (zero-cross switch)), Rated control voltage: 24 V DC $\pm 10\%$ , Rated switching voltage: 24...250 V AC, Continuous current: 3 A, Screw connection
GTIN (EAN)	4008 190442569
Qty.	20 pc(s).

Creation date May 1, 2020 1:48:39 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

Width	12.5 mm	Width (inches)	0.492 inch
Height	80 mm	Height (inches)	3.15 inch
Depth	68 mm	Depth (inches)	2.677 inch
Net weight	43.1 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		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Control side**

Rated control voltage	24 V DC $\pm$ 10 %	Nominal control current	11 mA DC
Power rating	0.29 W	Status indicator	red LED

**Load side**

Rated switching voltage	24...250 V AC	Continuous current	3 A
Voltage drop at max. load	1.6 V	Leakage current	< 5 mA
Min. switching current	20 mA	Short-circuit-proof	No
Protective circuit, load side	RC element		

**Contact data**

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

**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		

**Further details of approvals / standards**

Standards DIN EN 50178

**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>

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**Technical data****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**

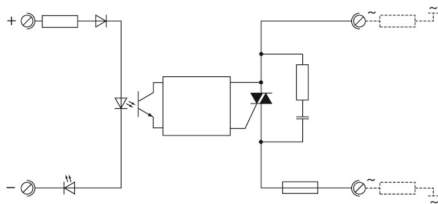
Approval/Certificate/Document of  
Conformity [DE\\_PA\\_5600\\_160311\\_001.pdf](#)  
Engineering Data [EPLAN\\_WSCAD](#)

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**Drawings**

**Wiring diagram**

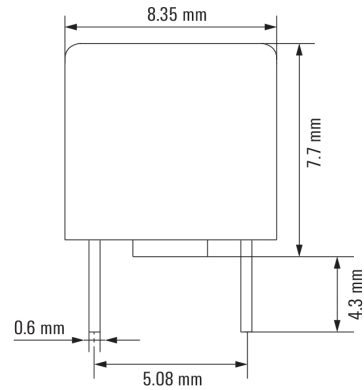


Schaltsymbol

**Dimensional drawing**

**Recommended spare fuse**

Fuses  $\leq 4$  A (fast characteristic) can be used



Recommended spare fuse: Fuses less than or equal to 4A (quick-acting) can be used