

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

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
Order No.	9430320000
Type	RS031-OAC24/F
GTIN (EAN)	4008190442569
Qty.	20 pc(s).

Creation date March 30, 2021 1:03:54 AM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

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

Load side

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

Contact data

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

Rail	TS 32, TS 35	Colour	orange
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Insulation coordination

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

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

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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	ECLASS 11.0	27-37-16-04

Approvals

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PA_5600_160311_001.pdf](#)

Engineering Data

[EPLAN_WSCAD](#)

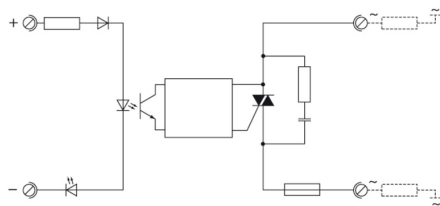
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Drawings

Wiring diagram

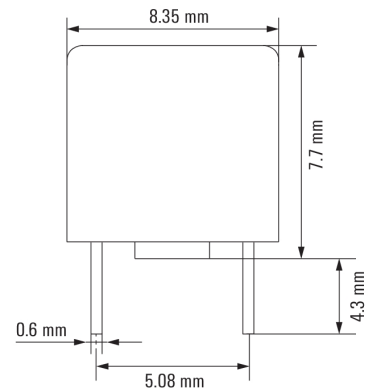


Schaltsymbol

Dimensional drawing

Recommended spare fuse

Fuses ≤ 4 A (fast characteristic) can be used



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