

TOZ 24VDC 24VDC2A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



TERMSERIES solid-state relay modules consisting of a solid-state relay and a base with AC/DC/UC input; available in different versions:

- With screw and tension-clamp connection
- With DC output
- In 6.4 mm width
- Optionally with multi-voltage input
- With various protective circuits in the input (free-wheel diode, RC element)
- Illuminated ejection lever

General ordering data

Order No.	1127290000
Type	TOZ 24VDC 24VDC2A
GTIN (EAN)	4032248908875
Qty.	10 pc(s).

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Technical data

Dimensions

Length	88 mm	Width	6.4 mm
Height	90 mm		

Temperatures

Operating temperature	-40 °C...+60 °C	Storage temperature	-40 °C...+85 °C
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Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, min.	0.14 mm ²
Clamping range, rated connection, max.	1.5 mm ²		

Control side

Cut-in (switch-on) voltage	≥ 15 V DC	Dropout voltage	≤ 15 V DC
Input frequency	300 Hz	Nominal control current	10 mA DC ±20 %
Power rating	240 mW	Protective circuit, control side	Reverse polarity protection, Integrated free-wheel diode
Rated control voltage	24 V DC ±20 %	Status display on control side	Green LED

General data

Conductor connection system	Tension clamp connection	Humidity	5...95 % rel. humidity T _u = 40 °C, no condensation
Solid-state type	POWER MOS-FET		

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side - load side	≥ 5.5 mm	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Pollution severity	2	Rated impulse withstand voltage	6 kV (1.2/50 µs)
Rated voltage	300 V	Surge voltage category	III

Load side

Continuous current	2 A	Protective circuit, load side	Integrated free-wheel diode
Rated switching current	2 A	Rated switching voltage	3 V...33 V DC
Short-circuit-proof	No	Switch-off delay	< 1.2 ms
Switch-on delay	< 55 µs	Voltage drop at max. load	≤ 120 mV

Classifications

eClass 6.0	27-27-09-90	eClass 7.0	27-27-09-90
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Approvals

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Technical data

Downloads

Declaration of Conformity

[K438_09_11.pdf](#)

[3-D model](#)

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www.weidmueller.com**Drawings****Circuit diagram**