TERMSERIES
TOZ 5VDC 24VDC2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



TERMSERIES complete solid-state relay modules 3 to 33 V DC 2 A output versions consisting of a solid-state relay and a base with AC/DC/UC input; available in different designs:

- With tension-clamp connection
- In 6.4 mm width
- Optionally with multiple-voltage input: 24 to 230 V UC
- With various protective circuits in the input (free-wheel diode, RC element)
- Illuminated ejection lever

General ordering data

Type	TOZ 5VDC 24VDC2A
Order No.	1127270000
Version	TERMSERIES, Solid-state relay, Rated control voltage: 5 V DC ±20 % , Rated switching voltage: 3...33 V DC, Rated switching current: 2 A, Tension clamp connection
GTIN (EAN)	4032248908707
Qty.	10 pc(s).

TERMSERIES
TOZ 5VDC 24VDC2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technische Daten

Dimensions and weights

Width	6.4 mm	Height	90 mm
Depth	88 mm	Weight	25.8 g
Net weight	25.8 g		

Temperatures

Humidity	5–95% rel. humidity, T_u = 40°C, no condensation	Operating temperature	-20 °C...+60 °C
Storage temperature	-40 °C...+70 °C		

Probability of failure

MTTF	4,439 Years

control side

Cut-in dropout voltage	3.4 V / 1.5 V DC	Rated control voltage	5 V DC ±20 %
Nominal control current	10 mA DC ±20 %	Power rating	50 mW
Input frequency	300 Hz	Protective circuit, control side	Reverse polarity protection, Integrated free-wheel diode
Status display on control side	Green LED		

Load side

Solid-state type	MOS-FET	Rated switching voltage	3...33 V DC
Continuous current	2 A	Rated switching current	2 A
Switch-on delay	< 55 µs	Switch-off delay	< 1 ms
Leakage current	< 10 µA	Protective circuit, load side	Integrated free-wheel diode
Voltage drop at max. load	≤ 120 mV	Short-circuit-proof	No

General data

Solid-state type	MOS-FET	No. of poles	1
Wire connection method	Tension clamp connection	Humidity	5–95% rel. humidity, T_u = 40°C, no condensation
UL 94 flammability rating	V-0	Standards	DIN EN 50178

Insulation coordination

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

Further details of approvals

Standards	DIN EN 50178

Connection data

Clamping range, rated connection	1.5 mm²	Clamping range, rated connection, max.	1.5 mm²
Clamping range, rated connection, min.	0.14 mm²	Wire connection method	Tension clamp connection

TERMSERIES
TOZ 5VDC 24VDC2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technische Daten

Classifications

eClass 6.2	27-27-09-90	eClass 7.1	27-27-09-90

Product information

Descriptive text ordering data	Spare solid-state relay Type: SSS 5 V/24 V 2 A DC Orderno.: 4064310000
Descriptive text technical data	Accessories and dimensional drawings: refer to the TERMSERIES Accessories page.

Approvals

Approvals

Downloads

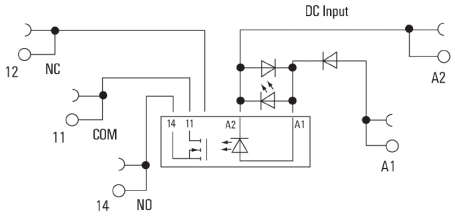
Declaration of Conformity	K438_10_12.pdf
PDF	Operating Instructions
3D Modell	

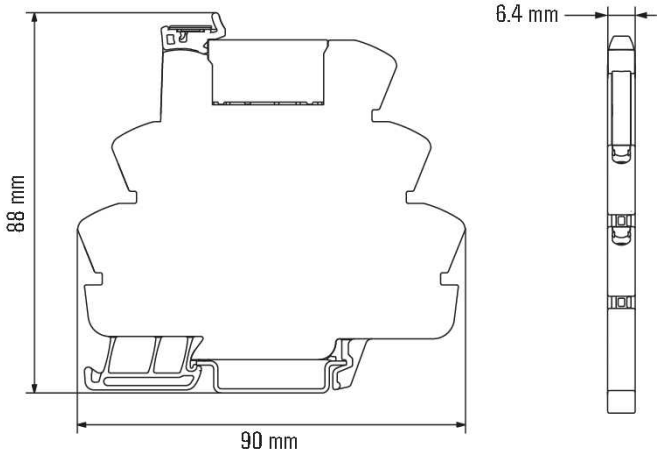
TERMSERIES
TOZ 5VDC 24VDC2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Zeichnungen

Circuit diagram





TERMSERIES
TOZ 5VDC 24VDC2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Zeichnungen

