

TOPL 220VDC 48VDC0.5A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Similar to illustration

The all-rounder. Compact relay modules, 6 mm width with extensive accessories, maximum vibration resistance, and unlimited cross-connection possibilities.

- 0.5 A DC output current
- 1 NO contact
- Compatible with the complete range of TERMSERIES accessories
- 100 % vibration-proof thanks to enclosed design

General ordering data

Version	Rated control voltage: 220 V DC , Rated switching voltage: 0...48 V DC, Continuous current: 500 mA, PUSH IN
Order No.	2773570000
Type	TOPL 220VDC 48VDC0.5A
GTIN (EAN)	4064675037347
Qty.	10 items

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Technical data

Approvals

Approvals



UL File Number Search

[UL Website](#)

Certificate no. (cULus)

E141197

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.4606 inch
Height	89.4 mm	Height (inches)	3.5197 inch
Width	6.4 mm	Width (inches)	0.252 inch
Net weight	28 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...60 °C
Operating temperature	-40 °C...60 °C	Humidity	5-85% relative humidity, Tu = 40°C, without condensation

Control side

Rated control voltage	220 V DC	Power rating	0.31 VA / 0.33 W
Status indicator	Green LED	Protective circuit	Suppressor diode
Input frequency	DC		

Load side

Rated switching voltage	0...48 V DC	Rated switching current	500 mA
Load category	DC1	Switch-on delay	40 µs
Switch-off delay	418 µs	Short-circuit-proof	No
Protective circuit, load side	Suppressor diode	Contact type	1 NO contact (Bipolar transistor)

General data

Operating altitude	≤ 2000 m, above sea level		
Mounting rail	TS 35		
Test button available	No		
Colour	black		
UL94 flammability rating component	Component	Housing	
	UL94 flammability rating	V-0	
	Component	Relay status indicator	
	UL94 flammability rating	V-2	
	Component	Pusher	
	UL94 flammability rating	V-0	

Insulation coordination

Pollution severity	2	Surge voltage category	III
Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	4 kVeff / 1 Min.
Type of isolation at input and output	reinforced insulation	Dielectric strength to mounting rail	4 kVeff
Protection degree	IP20		

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Certificate no. (cULus)	E141197
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Connection data

Stripping length	9 mm	Wire connection method	PUSH IN
Stripping length, rated connection	9 mm	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.14 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	1.5 mm ²
Wire cross-section, solid, min. (AWG)	AWG 26	Wire cross-section, solid, max. (AWG)	AWG 14
Wire connection cross section, finely stranded, min.	0.35 mm ²	Wire connection cross-section, finely stranded, max.	2.5 mm ²
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, finely stranded, max. (AWG)	AWG 14
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

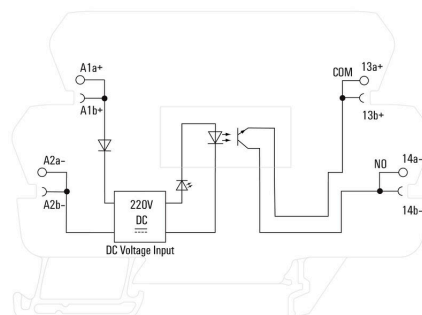
ETIM 8.0	EC001504	ETIM 9.0	EC001504
ETIM 10.0	EC001504	ECLASS 14.0	27-37-16-04
ECLASS 15.0	27-37-16-04		

Drawings

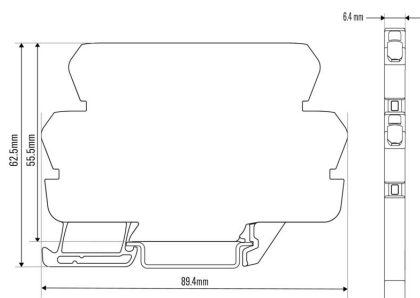
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Wiring diagram



Dimensional drawing



Miscellaneous
Type code solid-state relay
