

Weidmüller Interface GmbH & Co. KG

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Klingenbergstraße 26 D-32758 Detmold Germany

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Similar to illustration



Maintenance-free and wear-free solid-state relay with integrated electrical isolation, 6,4 mm width with extensive accessories, ideal for switching higher currents and DC voltages.

- 1 NO contact
- Contact material: AgNi
- Integrated status LED for simple function checks
- Integrated error LED for simple error checks
- Signaling contact for the PLC

General ordering data

Version	TERMSERIES-compact, Solid-state relay, Rated control voltage: 24 V DC ±20 % , Rated switching voltage: 548 V DC, Continuous current: 10 A, PUSH IN
Order No.	<u>2773440000</u>
Туре	TOPH 24VDC 5-48VDC10A
GTIN (EAN)	4064675037217
Qty.	1 items





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Technical data

Approvals			
Approvals	C E cULus	.	
JL File Number Search	UL Website		
Certificate no. (cULus)	E141197		
Dimensions and weights			
Depth	81.4 mm	Depth (inches)	3.2047 inch
Height	89.4 mm	Height (inches)	3.5197 inch
Width	6.4 mm	Width (inches)	0.252 inch
Net weight	5.3 g		
Temperatures			
Storage temperature	-40 °C85 °C	Ambient temperature	-40 °C70 °C
Operating temperature		Humidity	5-85% relative humidity, Tu = 40°C, without condensation
Probability of failure			
MTTF	276 a		
Environmental Product Comp	liance		
DallC Camplianas Status	Canantiant with avanantian		
RoHS Compliance Status RoHS Exemption (if applicable/known)	Compliant with exemption 6c		
REACH SVHC	Lead 7439-92-1		
	Lead 7433-32-1		
Rated data UL			
Type of conductor	flexible copper conductor, rigid copper conductor		
Control side			
Rated control voltage	24 V DC ±20 %	Rated control voltage (control innut)	24 V DC ±20 %
Rated control voltage Rated current DC	8.1 mA @ 24 V DC	Rated control voltage (control input) Power rating	193 mW
Status indicator	Green LED, Red LED	Protective circuit	Reverse polarity protection
Load side	Gloon EED, Hou EED	Trotocare circuit	noverse peranty protection
Date describe him more la	5. 40 V DC	Continuos	10 4 @ 00 00 0 4 @ 70
Rated switching voltage	548 V DC	Continuous current	10 A @ 60 °C; 9 A @ 70 °C; 2 A @ DC 13
Max. switching frequency at rated load	50 Hz	Switch-on delay	Typ. 3.5 ms
Switch-off delay	0.75 ms	Short-circuit-proof	Yes (limited for 4 h / current limitation external < 200 A)
Load side status indicator	LED red, short-circuit / overload at the output	Protective circuit, load side	Suppressor diode, Short- circuit
Contact tune	1 NO contrato /POM/ED		

Contact type

Catalogue status / Drawings 2

1 NO contacts (POWER MOS-FET)





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Pusher

V-0

Technical data

General data		
Operating altitude	≤ 2000 m, above sea level	
Version	10 A	
Mounting rail	TS 35	
Test button available	No	
Mechanical switch position indicator	No	
Colour	black	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-0
	Component	Relay status indicator
	UL94 flammability rating	V-2

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 - lo side	ad 4 kVeff / 1 Min.
Dielectric strength to mounting rail	4 kVeff / 1 Min.	Impulse withstand voltage	6 kV (1.2/50 μs)
Protection degree	IP20		

Component

UL94 flammability rating

Further details of approvals / standards

Certificate no. (cULus)	E141197

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.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 6.0	EC001504	ETIM 7.0	EC001504
ETIM 8.0	EC001504	ETIM 9.0	EC001504
ETIM 10.0	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	ECLASS 12.0	27-37-16-04
ECLASS 13.0	27-37-16-04	ECLASS 14.0	27-37-16-04
ECLASS 15.0	27-37-16-04		

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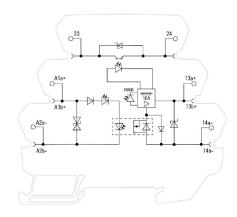
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Drawings

Similar to illustration



Wiring diagram

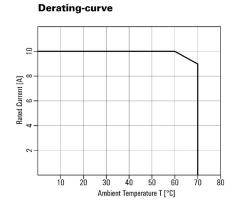


Graph

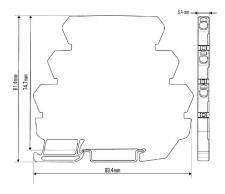
FUNCTION DIAGRAM



Graph



Dimensional drawing





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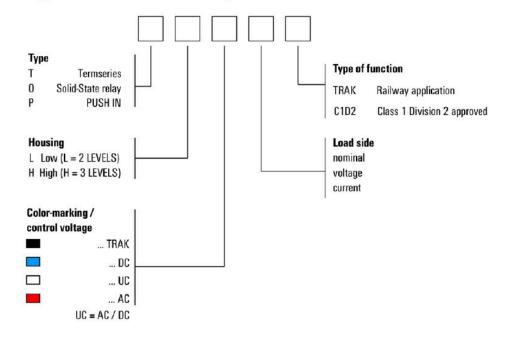
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Drawings

Miscellaneous

Type code solid-state relay





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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- · Can be fitted in strips or individually
- · Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/6 M MC NE WS
Order No.	1818400000
GTIN (EAN)	4032248310876
Qty.	600 ST

Version

WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,

Allen-Bradley, white

Cross-connections



Adjustable cross-connections

Increase the flexibility of your cross-connections. The TERMSERIES CROSS-CONNECTION (TCC) enables individually adjustable cross-connections with up to 51 poles. The maximum number of pluggable poles has been increased to 32 poles. The strip material can be shortened to the required length very easily. The cross-connectors convince thanks to their easy handling and visibility as well as their universal connection possibilities. An additional web prevents the spring from deforming during assembly.

- Individually adjustable cross-connection with 51 poles
- Additional bar to avoid deformation of the spring
- Increased cross-connection up to 32 poles possible
- Vibration resistance

General ordering data

Type	TCC 6.4/51 RD	Version
Order No.	<u>2556410000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566925	
Qty.	10 ST	
Туре	TCC 6.4/51 OR	Version
Order No.	<u>2556370000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566680	
Qty.	10 ST	
Туре	TCC 6.4/51 BL	Version
Order No.	<u>2556450000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566963	
Qty.	10 ST	

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TOPH 24VDC 5-48VDC10A

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Accessories

Туре	TCC 6.4/51 BK	Version
Order No.	<u>2556490000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118567007	
Qty.	10 ST	
Туре	TCC 6.4/2 OR	Version
Order No.	<u>2556350000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566826	
Qty.	10 ST	
Туре	TCC 6.4/2 BL	Version
Order No.	<u>2556430000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566949	
Qty.	10 ST	
Туре	TCC 6.4/2 BK	Version
Order No.	2556470000	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566987	
Qty.	10 ST	
Туре	TCC 6.4/10 RD	Version
Order No.	2556400000	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566918	TERMOETHES, 01000 commoder
Qty.	10 ST	
Туре	TCC 6.4/10 OR	Version
Order No.	2556360000	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566673	TEHNOLINES, Cross-connector
Qty.	10 ST	
		Version
Type	TCC 6.4/10 BL	Version
Order No.	<u>2556440000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566956	
Qty.	10 ST	
Туре	TCC 6.4/10 BK	Version
Order No.	<u>2556480000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566994	
Qty.	10 ST	
Туре	TCC 12.8/26 RD	Version
Order No.	<u>2556420000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566932	
Qty.	10 ST	
Туре	TCC 12.8/26 OR	Version
Order No.	2556380000	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566697	
Qty.	10 ST	
Туре	TCC 12.8/26 BL	Version
Order No.	<u>2556460000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566970	
Qty.	10 ST	
Туре	TCC 12.8/26 BK	Version
Order No.	<u>2556500000</u>	TERMSERIES, Cross-connector
GTIN (EAN)	4050118567014	
Qty.	10 ST	
Туре	TCC 6.4/2 RD	Version
Order No.	2556390000	TERMSERIES, Cross-connector
GTIN (EAN)	4050118566901	· · · · · · · · · · · · · · · · · · ·
Qty.	10 ST	
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Accessories

WS 12/6



WS/DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- · Firm hold and durable printing
- · Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- · High flexibility thanks to manufacturer independence

General ordering data

Ţ	уре	WS 12/6 MM WS	Version	
O	rder No.	2007200000	WS, Terminal marker, 12 x 6 mm, Weidmueller, white	
G	TIN (EAN)	4050118391886		
Q	lty.	600 ST		

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Туре	SDIS 0.6X3.5X100	Version
Order No.	2749810000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118897012	thickness (A): 0.6 mm
Qty.	1 ST	
Туре	SDS 0.6X3.5X100	Version
Type Order No.	SDS 0.6X3.5X100 2749340000	Version Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
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Accessories

Interface adapters



Faster signal wiring with less space

To reduce wiring times, pre-assembled cables are used between the control system and the interface level and are simply connected to the TERMSERIES adapter. This enables throughput times in electrical cabinet building to be significantly reduced. The adapter has a universal fit and offers a genuine space advantage in interaction with the TERMSERIES products with identical contours.

- Reduced wiring time due to plug-and-play concept with pre-assembled cables
- Can be applied to the input and output sides of the TERMSERIES
- · Ready for plus and minus switching logic
- High space-saving due to universal fit to other TERMSERIES products

General ordering data

Туре	TIA F10	Version
Order No.	1463520000	TERMSERIES, Adapter, 10-pole plug according to DIN EN 60603-13,
GTIN (EAN)	4050118323535	long locking lever, Number of signal paths: 8, Rated voltage DC: 24 V,
Qty.	1 ST	Rated current (per signal path): 125 mA
Туре	TIA SUBD 15S	Version
Order No.	1463530000	TERMSERIES, Adapter, Sub-D, 15-pole, DIN 41652 / IEC 60807,
GTIN (EAN)	4050118323542	Number of signal paths: 8, Rated voltage DC: 24 V, Rated current (per
Qty.	1 ST	signal path): 125 mA
Туре	TIAL F10	Version
Order No.	1463540000	TERMSERIES, Adapter, 10-pole plug according to DIN EN 60603-13,
GTIN (EAN)	4050118323559	long locking lever, Number of signal paths: 8, Rated voltage DC: 24 V,
Qty.	1 ST	Rated current (per signal path): 125 mA
Туре	TIAL F20	Version
Order No.	1463550000	TERMSERIES, Adapter, 20-pole plug according to DIN EN 60603-13,
GTIN (EAN)	4050118331783	long locking lever, Number of signal paths: 16, Rated voltage DC: 24
Qty.	1 ST	V, Rated current (per signal path): 60 mA



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Accessories

Partition plate



Versatile separation plates

Separation plates can be used to group together signals visually, to electrically

isolate modules and to insert markings for a better overview. This makes

them a particularly versatile accessory. Separation plates increase the

clearance and creepage distances between two modules, thus increasing

the rated insulation voltage between two modules to up to 600 V. Double

separation plates can be marked with WAD5 or WS10/5 markers and

enable continuous cross-connections. Installation is made easier with the

perforations to individually break out the cross-connection channels.

- Partition plates visually separates groups from each other
- Indentations for individual breaking out the crosscoonnection channels
- Partition plates isolates between two modules by increasing the clearance and creepage distances of up to 600 V

General ordering data

Type	TW TXS/TXZ R3.2	Version
Order No.	1240800000	TERMSERIES, Partition plate
GTIN (EAN)	4050118028188	
Qty.	10 ST	
Туре	TXL PP	Version
Type Order No.	TXL PP 2774090000	Version TERMSERIES-compact, Partition plate

Feed through module



Precision-fit feed-through terminals

The precisely fitting terminals enable potentials to be brought from the control side to the load side and vice versa. Due to the compatibility with the TERMSERIES, there is a uniform test system with a standardised test tap.

General ordering data

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Туре	TXPL FT	Version
Order No.	2774080000	TERMSERIES-compact, Feed-through terminal, PUSH IN
GTIN (EAN)	4064675037859	
Qty.	1 ST	





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Accessories

Supply module



Space-saving feed-in terminals
For easy feed-in of neutral or negative potentials at
the input of switched potentials at the output. Crossconnections enable space-saving connection of sensors
and actuators without additional feed-through terminal
blocks.

General ordering data

Туре	TXPL S	Version
Order No.	2774100000	TERMSERIES-compact, Supply module, PUSH IN
GTIN (EAN)	4064675037873	
Qty.	1 ST	