

TERMSERIES
TRS 230VAC RC 2CO
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

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Product image


TERMSERIES relay module, complete modules consisting of

a relay and a base with AC/DC/UC coils, available in different versions:

- With screw and tension-clamp connection
- AgNi contact, optionally with hard gold-plated contacts
- 1 and 2 COs
- Optionally with multiple-voltage input: 24...230 V UC
- With various protective circuits in the input (free-wheel diode, RC element)
- Illuminated ejection lever

General ordering data

Type	TRS 230VAC RC 2CO
Order No.	1123570000
Version	TERMSERIES, Relay module, No. of contacts: 2 CO contact AgNi, Rated control voltage: 230 V AC $\pm 5\%$, Continuous current: 8 A, Screw connection
GTIN (EAN)	4032248905775
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	12.8 mm	Width (inches)	0.504 inch
Height	89.6 mm	Height (inches)	3.528 inch
Depth	87.8 mm	Depth (inches)	3.457 inch
Net weight	57 g		

Temperatures

Humidity	5–95% rel. humidity, $T_u = 40^\circ\text{C}$, no condensation	Operating temperature, max.	60 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...60 °C
Storage temperature	-40 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Ambient temperature (operational), max.	60 °C	Output current derating (ohmic)	6 A @ 60 °C, 8 A @ 50 °C
Connection cross-section AWG, min.	AWG 26	Connection cross-section AWG, max.	AWG 14
Type of conductor	rigid copper conductor, flexible copper conductor	Tightening torque, max.	0.4 Nm
Pollution severity level	2		

Input

Rated control voltage	230 V AC $\pm 5\%$	Rated current AC	10 mA
Power rating	2.3 VA	Pull-in/drop-out voltage, typ.	112 V / 45 V AC
Pull-in/drop-out current, typ.	5 mA / 2 mA AC	Status indicator	Green LED
Protective circuit	Rectifier, RC element	RC filter	94 Ω / 100 nF
Coil voltage of the replacement relay deviating from the rated control voltage	Yes	Coil voltage of the replacement relay	110 V DC

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	8 A
Inrush current	15 A / 4 s	AC switching capacity (resistive), max.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	< 14 ms
Switch-off delay	< 12 ms	Min. switching power	10 mA @ 10 V, 100 mA @ 5 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

Contact type	2 CO contact (AgNi)	Mechanical service life	30 x 10 ⁶ switching cycles
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General data

Mounting rail	TS 35	Test button	No
Mechanical switch position indicator	No	Colour	Black

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Technical data
Insulation coordination

Rated voltage	300 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength input – output	1.2 kV _{eff} / 5 s	Creepage and clearance distance input – output	≥ 5.5 mm
Dielectric strength of neighbouring contacts	2.5 kV _{eff}	Dielectric strength of open contact	1 kV _{eff} / 1 min
Dielectric strength to mounting rail	4 kV _{eff} / 1 min.	Impulse withstand voltage	6 kV (1.2/50 µs)

Further details of approvals / standards

Standards	EN 50178, EN 55011, EN 61000-6-1, 2, 4	Certificate No. (DNVGL)	TAA00001E5
Certificate no. (cULus)	E141197		

Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Tightening torque, max.	0.4 Nm	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.	0.14 mm ²	Wire cross-section, solid, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.14 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.	0.25 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	1 mm ²
Blade size	size PH0	Gauge to IEC 60947-1	A1, B1

Classifications

ETIM 5.0	EC001437	ETIM 6.0	EC001437
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Product information

Descriptive text ordering data	Spare relay Type: RCL424110 Orderno.: 4058590000
Descriptive text technical data	Accessories and dimensional drawings: refer to the TERMSERIES Accessories page.

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

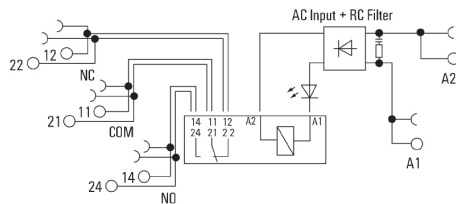
Approval/Certificate/Document of Conformity	DE_PA5600_160229_001.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Operating Instructions

TERMSERIES TRS 230VAC RC 2CO

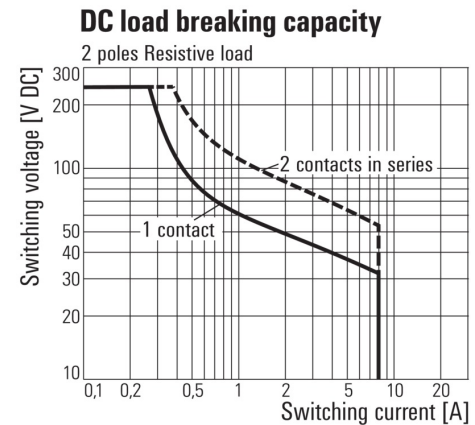
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Drawings

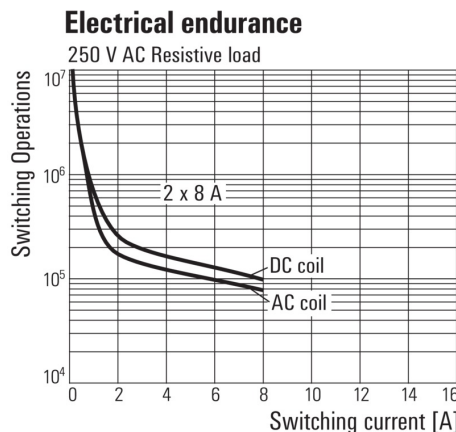
Wiring diagram



Graph

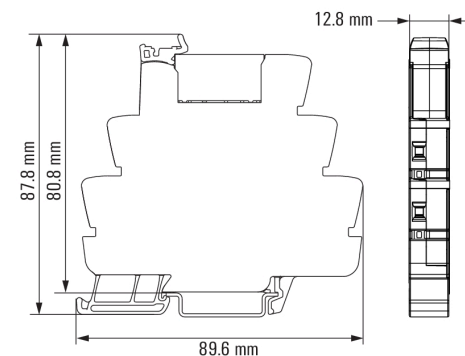


Graph



Electrical service life 230 V AC resistive load
230 V AC resistive load

Dimensional drawing



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Accessories

Tools



Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.6X3.5X100	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

Partition plate



TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TW TXS/TXZ R3.2	1240800000	TERMSERIES, Separation plate	4050118028188	10 pc(s).

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Accessories

Crosshead screwdriver Phillips

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip



General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDK PH0	9008470000	Screwdriver, Blade width (B): 3 mm, Blade length: 60 mm	4032248056460	1 pc(s).

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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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	Order No.	Version	GTIN (EAN)	Qty.
WS 10/12 MC NE WS	1905970000	WS, Terminal marker, 10 x 12 mm, Pitch in mm (P): 12.00 Weidmueller, White	4032248528127	300 pc(s).

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 10/6 M	1818400000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00	4032248310876	600 pc(s).
MC NE WS		Weidmueller, Allen-Bradley, White		

Supply module



TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TXS SUPPLY	1240780000	TERMSERIES, Supply module, No. of contacts: 5, Continuous current: 10 A, Screw connection	4050118028140	10 pc(s).
TXZ SUPPLY	1240790000	TERMSERIES, Supply module, No. of contacts: 5, Continuous current: 10 A, Tension clamp connection	4050118028164	10 pc(s).

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Accessories

Cross-connector



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- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

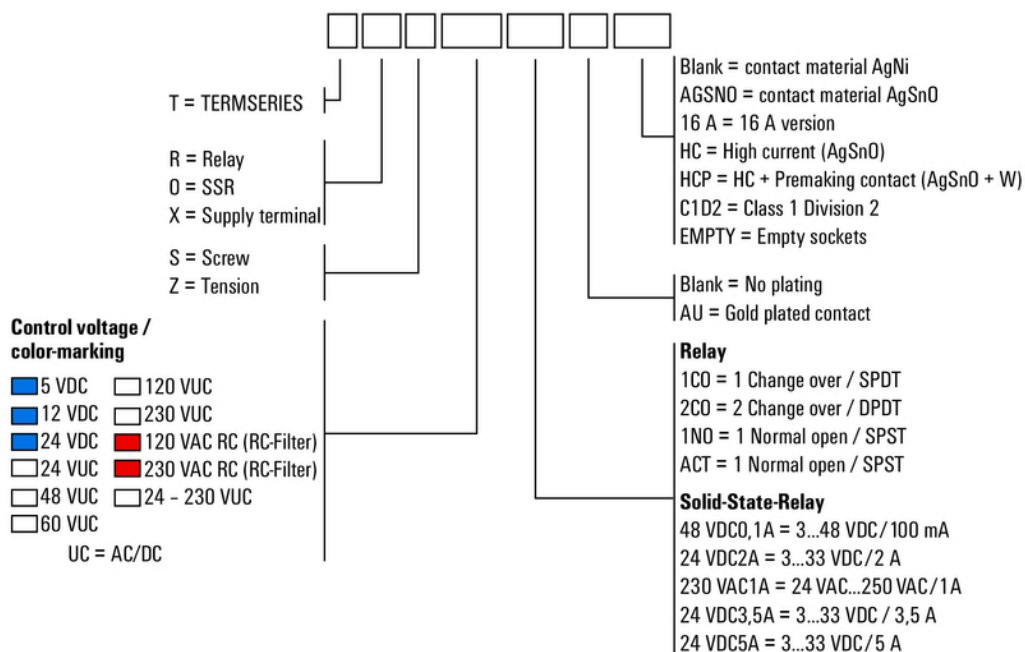
Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 1.5N/ R6.4/10 GE	1193680000	TERMSERIES, Cross- connector	4032248976454	10 pc(s).
ZQV 1.5N/ R6.4/19 GE	1193690000	TERMSERIES, Cross- connector	4032248976645	10 pc(s).
ZQV 1.5N/ R6.4/10 SW	1391630000	TERMSERIES, Cross- connector	4050118191776	10 pc(s).
ZQV 1.5N/ R12.8/10 GE	1193700000	TERMSERIES, Cross- connector	4032248976447	10 pc(s).
ZQV 1.5N/ R6.4/19 BL	1391620000	TERMSERIES, Cross- connector	4050118191813	10 pc(s).
ZQV 1.5N/ R6.4/10 RT	1391640000	TERMSERIES, Cross- connector	4050118191660	10 pc(s).
ZQV 1.5N/ R6.4/2 GE	1193670000	TERMSERIES, Cross- connector	4032248976638	10 pc(s).
ZQV 1.5N/ R6.4/10 BL	1390350000	TERMSERIES, Cross- connector	4050118190793	10 pc(s).
ZQV 1.5N/ R6.4/19 RT	1391610000	TERMSERIES, Cross- connector	4050118191783	10 pc(s).
ZQV 1.5N/ R6.4/19 SW	1391600000	TERMSERIES, Cross- connector	4050118191806	10 pc(s).

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Drawings

Miscellaneous



Type codes