

TRPL 24-230VUC 2CO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The all-rounder. Compact relay modules, 12.8 mm width with extensive accessories, maximum vibration resistance, and unlimited cross-connection possibilities.

- 2 CO contacts
- Contact material: AgNi
- Integrated status LED for easy function testing
- Unique multi-voltage input from 12 to 60 V UC and 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with colored markings: AC: red, DC: blue, UC: white

General ordering data

Version	TERMSERIES-compact, Relay module, Number of contacts: 2, x 1 CO Contact AgNi, Rated control voltage: 24...230 V UC $\pm 10\%$, Continuous current: 6 A, PUSH IN, Test button available: No
Order No.	2773880000
Type	TRPL 24-230VUC 2CO
GTIN (EAN)	4064675037651
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Height	89.4 mm	Height (inches)	3.52 inch
Width	12.8 mm	Width (inches)	0.504 inch
Net weight	53.5 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature	-40 °C...70 °C	Humidity	5-85% relative humidity, Tu = 40°C, without condensation

Rated data UL

Connection cross-section AWG, min.	AWG 26	Connection cross-section AWG, max.	AWG 14
Pollution severity level	2		

Control side

Rated control voltage	24...230 V UC $\pm 10\%$	Rated current AC	19.3 mA @ 24 V AC, 2.5 mA @ 230 V AC
Rated current DC	9.6mA @ 24 V DC, 1.1 mA @ 230 V DC	Power rating	230 mW @ 24 V DC, 253 mVA @ 230V DC
Coil resistance	3388 $\Omega \pm 10\%$	Status indicator	Green LED
Protective circuit	Rectifier		

Load side

Rated switching voltage	250 V AC	Max. switching frequency at rated load	0.1 Hz
Max. switching voltage, AC	250 V	Max. switching voltage, DC	250 V
Inrush current	20 A / 20 ms	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	144W @ 24 V	Contact type	2 x 1 CO Contact (AgNi)
Mechanical service life	5 x 10 ⁶ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Operating altitude	≤ 2000 m, above sea level	Rail	TS 35
Test button available	No	Mechanical switch position indicator	No
Colour	black		

Insulation coordination

Pollution severity	2	Surge voltage category	III
Clearance and creepage distances for control side - load side	≥ 6 mm	Dielectric strength for control side - load side	4 kV _{eff} / 1 Min.
Type of isolation at input and output	reinforced insulation	Dielectric strength of neighbouring contacts	4 kV _{eff} / 1 min
Type of isolation at neighbouring contacts	reinforced insulation	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 μ s)
Protection degree	IP20		

Further details of approvals / standards

Certificate no. (cULus)	E141197
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Creation date April 22, 2025 10:41:42 PM CEST

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Technical data

Connection data

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, 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	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 9.0	27-37-16-01
ECLASS 9.1	27-37-16-01	ECLASS 10.0	27-37-16-01
ECLASS 11.0	27-37-16-01	ECLASS 12.0	27-37-16-01
ECLASS 13.0	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9e2cbc49-76d9-4611-b8ec-5b4f549a0aa9

Approvals

Approvals



UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity UK Konformitätserklärung / UK Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

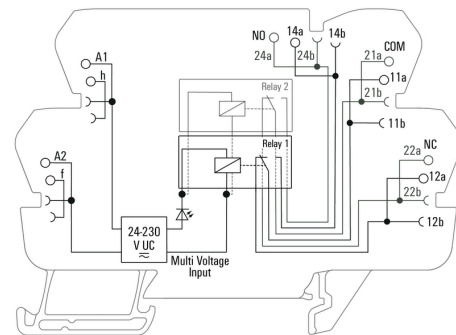
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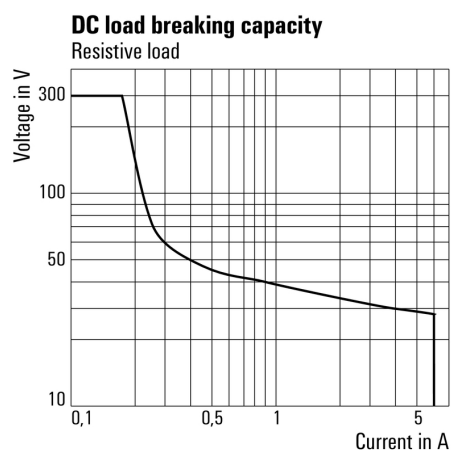
Drawings

Wiring diagram

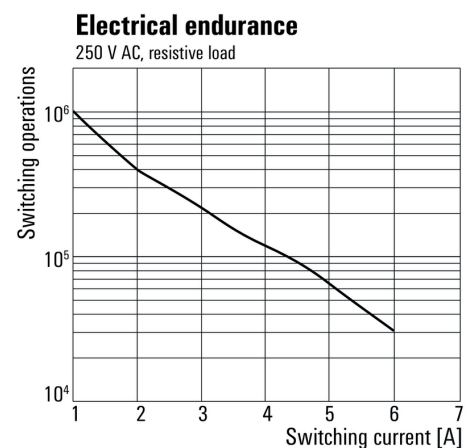


*This module contains two Relays

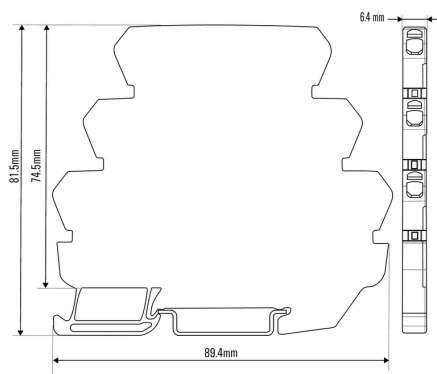
Graph



Graph



Dimensional drawing



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Drawings

Type code electromechanical relay (TERMSERIES-compact)

