

TERMSERIES – The All-rounder

New Electromechanical Relays and Solid-State Relays

Miniature Industrial Relays/SSRs

For control digital input isolation and actuator drives

Unique Multi-Voltage Input

Pluggable 24V – 230VAC/DC relay modules reduce inventory



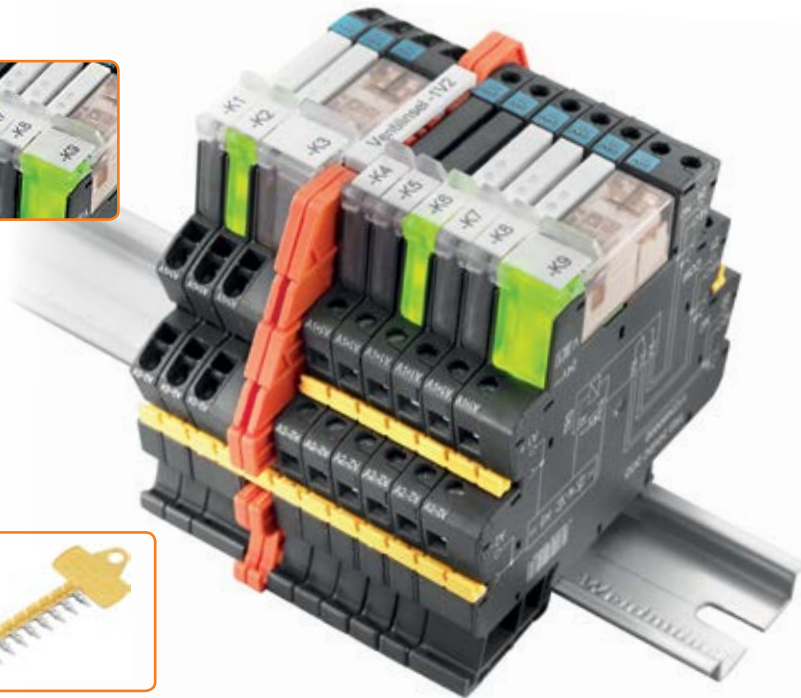
High-Visibility Status Indication

An illuminated ejector ensures clearly visible status indication.



2CO Output Option

Two changeover contacts double the function and offer easier operation.



Easy-to-Use Jumpers

Reduce wiring time and costs for all models and mix of 1CO and 2CO



Smart Accessories

Provide clear separation with isolation plates for grouping signals into function or voltages, and to isolate two modules up to 400V.




Let's Connect

www.weidmuller.com

Weidmüller

Competitive Comparisons

Company	Weidmüller 	Phoenix Contact	Finder	Omron	Wago
Model	TERMSERIES	PLC SERIES	38 SERIES	G2RV	857 SERIES
Operating Temperature	-40°C... +60°C	-40°C... +60°C	-40°C... +55°C	-40°C... +55°C	-25°C... +60°C
CI 1 Div 2/ATEX approval	Coming Soon	Yes	No	No	No
1 CO & 2 CO	Yes, same pitch	Yes, not same pitch	Yes, not same pitch	No	No
DIN-Rail Width	6.4 mm/12.8 mm	6.2 mm/ 14 mm	6.2 mm/ 14 mm	6.2 mm	6 mm
Universal Module 24V - 230V AC/DC	Yes	No	No	No	No
Cross Connection Levels	5	4	4	4	5

Availability

1 Changeover contact 250V/ 6A, 6.4 mm wide		
Type	Nominal Voltage	Part Number
TRS 24VDC 1CO	24V DC	1122770000
TRZ 24VDC 1CO	24V DC	1122880000
TRS 24VUC 1CO	24V AC/DC	1122780000
TRZ 24VUC 1CO	24V AC/DC	1122890000
TRS 120VUC 1CO	120V AC/DC	1122810000
TRZ 120VUC 1CO	120V AC/DC	1122920000
TRS 120VAC RC 1CO	120V AC	1122830000
TRZ 120VAC RC 1CO	120V AC	1122940000
TRS 24-230VUC 1CO	24 - 230 V AC/DC	1122850000
TRZ 24-230VUC 1CO	24 - 230 V AC/DC	1122970000

TRS = Screw Terminals
TRZ = Tension Clamp Terminals
RC = Integrated RC Filter

See our TERMSERIES data sheet and our full line catalog 4.2 for our complete TERMSERIES offering including a broad range of voltages, solid-state relays, spare relays, sockets and accessories

2 Changeover contact 250V/ 8A, 12.8 mm wide		
Type	Nominal Voltage	Part Number
TRS 24VDC 2CO	24V DC	1123490000
TRZ 24VDC 2CO	24V DC	1123610000
TRS 24VUC 2CO	24V AC/DC	1123500000
TRZ 24VUC 2CO	24V AC/DC	1123620000
TRS 120VUC 2CO	120V AC/DC	1123530000
TRZ 120VUC 2CO	120V AC/DC	1123650000
TRS 120VAC RC 2CO	120V AC	1123550000
TRZ 120VAC RC 2CO	120V AC	1123680000
TRS 24-230VUC 2CO	24 - 230 V AC/DC	1123580000
TRZ 24-230VUC 2CO	24 - 230 V AC/DC	1123700000

TERMSERIES in the Field - Failure to switch-off

Interference on the control lines of relays (e.g. by parallel power lines) can produce noise voltages.

When this noise voltage is greater than the release voltage of the relay, the relay may not de-energize.

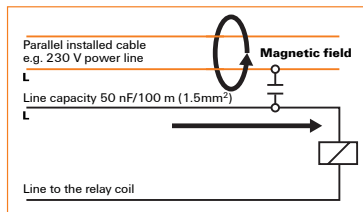


Diagram 1 - Inductive or capacitive coupling: Noise voltage > release voltage = Relay does not de-energize

Due to protective circuits in AC output cards a leakage current can occur in the off state.

When the leakage current has sufficient power the relay will not de-energize.

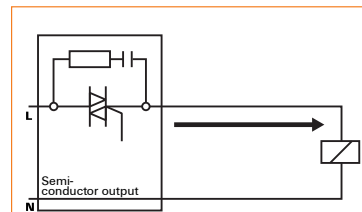


Diagram 2 - Output cards of control systems and control modules: Leakage current > Relay holding current = Relay does not de-energize

Great events often come from small beginnings: The inputs of the 120 / 230 VAC variants have RC filters built in as standard. This circuit provides a reduction of noise voltage and leakage current.

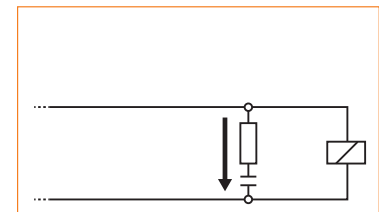


Diagram 3 - TERMSERIES relays reliably de-energize - Always!

Information

Information is available for download on our website: www.weidmuller.com
Printed catalog versions are also available and can be ordered online.

Ref. No.	Description
1327250000	2012/2013 Full Line Catalog 4.2 "Relay modules and solid-state relays"
LIT1302	TERMSERIES Datasheet
LIT1316	Relay Couplers Product Selection Guide

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