TRP T 24VDC 1CO M3 EMPTY

Product image

Timing relay for control signal adaptation with additional functions

Timing relays are used to coordinate fast switching processes in control systems, among other things. TER-MSERIES TIMER timing relays have a on-delay, which allows for the delayed switch-on of machines, the cascaded start-up of system components or the delayed activation of consumers such as pumps or valves. They also have the One Shot and blinker functions. TERMSERIES TIMER timing relays in compact 6.4 mm terminal block format are available with either a screw connection or a PUSH IN wire connection. The timing functions and time ranges can be conveniently adjusted via the DIP switches on the side. The power supply and the respective switching status can be checked at a glance by means of the clearly visible duo LED on the ejection lever. International approvals in accordance with EN 61812 mean that they can be used anywhere in the world. TERMSERIES TIMER is compatible with the wide range of TERMSERIES accessories, thereby ensuring high levels of flexibility and simple integration into existing systems.

- Integration of additional timing functions in 6 mm TER-MSERIES version
- Standard-compliant timing relays according to EN 61812
- Simple setting of timing functions and time ranges
- Integrated status LED (duo-LED in the ejection lever) for power supply and switching status

General ordering data

Version	TERMSERIES, Multifunction timing relay, Empty socket, Number of contacts: 1, CO contact, Rated control voltage: 24 V DC ±20 %, Continuous current: 10 A, PUSH IN
Order No.	2639740000
Type	TRP T 24VDC 1CO M3 EMPTY
GTIN (EAN)	4050118797923
Qty.	10 items

TRP T 24VDC 1CO M3 EMPTY

Technical data

Approvals

Approvals	CE cRUus DNV UKCA
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E223759

Dimensions and weights

Depth	87.8 mm	Depth (inches)	3.4567 inch
Height	89.4 mm	Height (inches)	3.5197 inch
Width	6.4 mm	Width (inches)	0.252 inch
Net weight	26 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-20 °C...60 °C
Operating temperature		Humidity	5-95% relative humidity, Tu = 40°C, without condensation

Probability of failure

MTTF	977 a

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

Rated data UL

Ambient temperature (operational), max.	60 °C	Connection cross-section AWG, min.	AWG 26
Connection cross-section AWG, max.	AWG 14	Type of conductor	rigid copper conductor, flexible copper conductor
Pollution severity level	2	Certificate No. (cURus)	E223759

Control side

Rated control voltage	24 V DC ±20 %	Status indicator	Duo-LED orange: relay output on, Green duo-LED lit: supply voltage on, Green duo-LED flashes: incorrect configuration, no function
Protective circuit	Free-wheeling diode	Coil voltage of the replacement relay deviating from the rated control voltage	No
Coil voltage of the replacement relay	24 V DC	Time ranges	0.01 s - 0.1 s, 0.1 s - 1 s, 1 s - 10 s, 10 s - 100 s
Setting tolerance	5 %	Max. reset time after voltage interruption	50 ms
Basic accuracy	≤ 5% (of scale-end value)	Min. pulse duration	50 ms
Repeat accuracy	± 1 %		

TRP T 24VDC 1CO M3 EMPTY

Technical data

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching voltage, AC	250 V	Max. switching voltage, DC	250 V
Contact type	1 CO contact		

General data

Operating altitude	≤ 2000 m, above sea level	Version	Empty socket
Mounting rail	TS 35	Test button available	No
Mechanical switch position indicator	No	Colour	black
UL 94 flammability rating	V-0		

Insulation coordination

Rated voltage	250 V	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 kVeff / 1 Min.	Dielectric strength of open contact	1 kVeff / 1 min
Dielectric strength to mounting rail	4 kVeff / 1 Min.	Impulse withstand voltage	6 kV (1.2/50 µs)
Protection degree	IP20		

Further details of approvals / standards

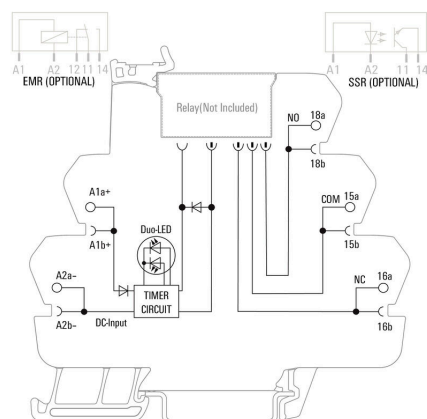|			
Certificate No. (DNV)	TAA00001E5	Certificate No. (cURus)	E223759

Connection data

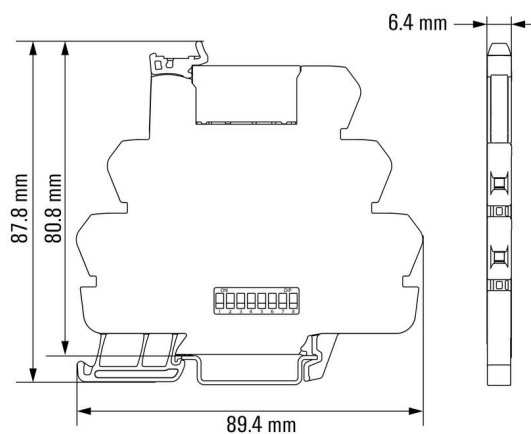|			
Wire connection method	PUSH IN	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm²	Clamping range, min.	0.14 mm²
Clamping range, max.	2.5 mm²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.14 mm²
Wire cross-section, solid, max.	1.5 mm²	Wire cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 16	Wire connection cross section, finely stranded, min.	0.14 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²	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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.14 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm²	Twin wire-end ferrules, min.	0.5 mm²
Twin wire-end ferrules, max.	1 mm²	Blade size	0.4 x 2.5 mm

Classifications

ETIM 8.0	EC001456	ETIM 9.0	EC001456
ETIM 10.0	EC001456	ECLASS 14.0	27-37-16-03
ECLASS 15.0	27-37-16-03		

TRP T 24VDC 1CO M3 EMPTY

Drawings

Wiring diagram

Dimensional drawing

Graph
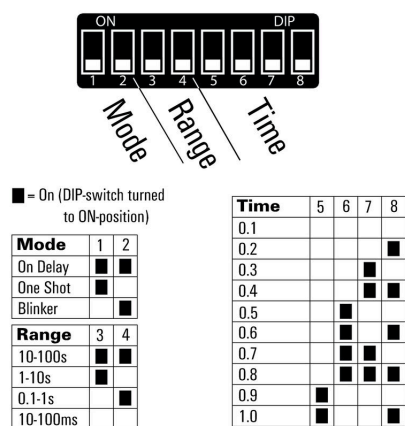
■ = On (DIP-switch turned to ON-position)

Mode	1	2
On Delay	■	■
One Shot		■
Blinker	■	

Range	3	4
10-100s	■	■
1-10s	■	
0.1-1s		■
10-100ms		

Time	5	6	7	8
0.1				
0.2				■
0.3			■	
0.4			■	■
0.5		■		
0.6		■		■
0.7		■	■	
0.8		■	■	■
0.9	■			
1.0	■			■

TRP T 24VDC 1CO M3 EMPTY

Drawings

Graph

Graph
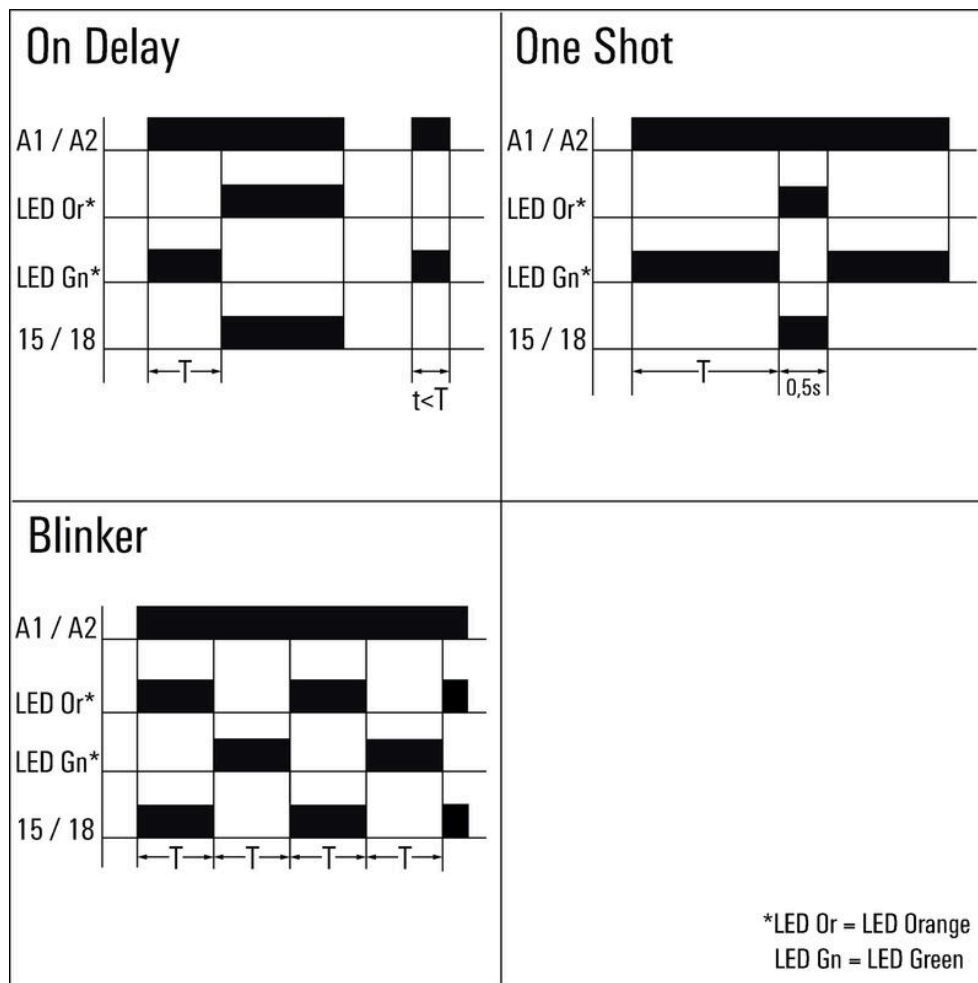
Time functions

TRP T 24VDC 1CO M3 EMPTY

Drawings

Type codes

T	TERMSERIES	
R	Relay	
S	Screw	
P	PUSH IN	
T	Timer	
Control voltage		
24 VDC		

Black — contact material AgNi
EMPTY — Empty sockets

M3 — Multifunctional Timer with 3 functions

Relay

1 CO — 1 Change over / SPDT
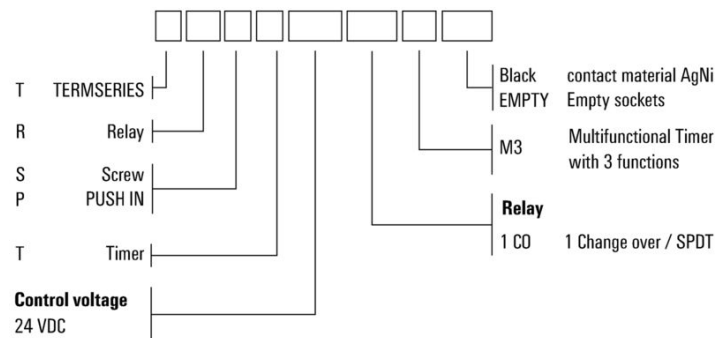
Miscellaneous

TRP T 24VDC 1CO M3 EMPTY

Accessories

Supply module

Space-saving supply modules
Our supply terminals enable potentials to be fed at the input – e.g.
neutral or minus potentials – or switched potentials to be fed at the output. In
conjunction with precisely fitting cross-connections from the TEMRSERIES,
the connections for the cables on the relay module remain free for actuators
or sensors. No additional feed-through terminal blocks are required, resulting
in huge space savings in the panel. At the same time, the wiring is simplified
as no double wire-end ferrules are required for the potential feed.

General ordering data

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

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 crosscconnection channels
- Partition plates isolates between two modules by increasing the clearance and creepage distances of up to 600 V

TRP T 24VDC 1CO M3 EMPTY

Accessories

General ordering data

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

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	Version
Order No.	1818400000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248310876	Allen-Bradley, white
Qty.	600 ST	

ZQV

General ordering data

Type	ZQV 1.5N/R6.4/2 GE	Version
Order No.	1193670000	TERMSERIES, Cross-connector
GTIN (EAN)	4032248976638	
Qty.	10 ST	
Type	ZQV 1.5N/R6.4/10 GE	Version
Order No.	1193680000	TERMSERIES, Cross-connector
GTIN (EAN)	4032248976454	
Qty.	10 ST	
Type	ZQV 1.5N/R6.4/19 GE	Version
Order No.	1193690000	TERMSERIES, Cross-connector
GTIN (EAN)	4032248976645	
Qty.	10 ST	

TRP T 24VDC 1CO M3 EMPTY

Accessories

Type	ZQV 1.5N/R6.4/2 BL	Version	
Order No.	1446140000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118251074		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/10 BL	Version	
Order No.	1390350000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118190793		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/19 BL	Version	
Order No.	1391620000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118191813		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/2 RT	Version	
Order No.	1446090000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118250886		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/10 RT	Version	
Order No.	1391640000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118191660		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/19 RT	Version	
Order No.	1391610000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118191783		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/2 SW	Version	
Order No.	1446040000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118251067		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/10 SW	Version	
Order No.	1391630000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118191776		
Qty.	10 ST		
Type	ZQV 1.5N/R6.4/19 SW	Version	
Order No.	1391600000	TERMSERIES, Cross-connector	
GTIN (EAN)	4050118191806		
Qty.	10 ST		

Crosshead screwdriver Phillips

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

TRP T 24VDC 1CO M3 EMPTY

Weidmüller ⧑

Accessories

General ordering data

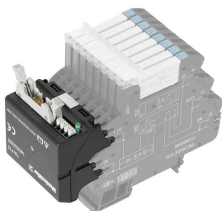| Type	SDK PH0 X 60	Version	
Order No.	2749400000	Screwdriver, Blade width (B): 3 mm, 60 mm, Blade thickness (A): 0	
GTIN (EAN)	4050118895629		
Qty.	1 ST		
Type	SDIK PH0 X 60	Version	
Order No.	2749880000	Screwdriver, Blade width (B): 0 mm, 60 mm, Blade thickness (A): 0	
GTIN (EAN)	4050118897081		
Qty.	1 ST		

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	2749340000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade	
GTIN (EAN)	4050118895568	thickness (A): 0.6 mm	
Qty.	1 ST		
Type	SDIS SLIM 0.6X3.5X100	Version	
Order No.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade	
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm	
Qty.	1 ST		

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

Creation date 21.12.2025 04:58:14 MEZ

Catalogue status / Drawings

TRP T 24VDC 1CO M3 EMPTY

Accessories

General ordering data

Type	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

TERMSERIES interface adapter

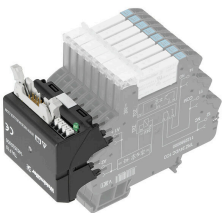Faster signal wiring with less space
To reduce wiring times, pre-assembled cables are used between the control system and the interface level and are simply connected to the TERMSERIES adapter. This enables throughput times in electrical cabinet building to be significantly reduced. The adapter has a 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

Type	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

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

Type	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

TRP T 24VDC 1CO M3 EMPTY

Accessories

3 to 33 V DC 2 A output versions

Individual relays for TERMSERIES
• Solid-state relays
• Different output versions

General ordering data

Type	SSS RELAIS 24V/24V 2ADC	Version
Order No.	4061190000	TERMSERIES, Solid-state relay, Rated control voltage: 18 V DC...24
GTIN (EAN)	4032248415083	V DC...30 V DC , Rated switching voltage: 3...33 V DC, Continuous
Qty.	20 ST	current: 2 A, Plug-in connection

3 to 48 V DC 0.1 A output versions

Individual relays for TERMSERIES
• Solid-state relays
• Different output versions

General ordering data

Type	SSS RELAIS 24V/24V 0,1A...	Version
Order No.	4061180000	TERMSERIES, Solid-state relay, Rated control voltage: 18 V DC...24
GTIN (EAN)	4032248415076	V DC...30 V DC , Rated switching voltage: 0...48 V DC, Continuous
Qty.	20 ST	current: 0.1 A, Plug-in connection

24 to 230 V AC 1 A output versions

Individual relays for TERMSERIES
• Solid-state relays
• Different output versions

General ordering data

Type	SSS RELAIS 24V/230V 1AAC	Version
Order No.	4061210000	TERMSERIES, Solid-state relay, Rated control voltage: 18 V DC...24 V
GTIN (EAN)	4032248643813	DC...30 V DC , Rated switching voltage: 24...240 V AC, Continuous
Qty.	20 ST	current: 1 A, Plug-in connection

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Accessories

1 CO contact (AgSnO contacts)

Individual relays for TERMSERIES
- Electromechanical relays
- Different contact materials

General ordering data

Type	RSS110024	Version
Order No.	1984090000	TERMSERIES, Relay, Number of contacts: 1, CO contact AgSnO, Rated
GTIN (EAN)	4050118377910	control voltage: 24 V DC, Continuous current: 6 A, Plug-in connection,
Qty.	20 ST	Test button available: No

1 CO contact / hard gold plated contacts (AgNi Au contacts)

Individual relays for TERMSERIES
- Electromechanical relays
- Different contact materials

General ordering data

Type	RSS112024	Version
Order No.	4061590000	TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi gold-
GTIN (EAN)	4032248252282	plated, Rated control voltage: 24 V DC, Continuous current: 6 A, Plug-
Qty.	20 ST	in connection, Test button available: No

1 CO contact (AgNi contacts)

Individual relays for TERMSERIES
- Electromechanical relays
- Different contact materials

General ordering data

Type	RSS113024	Version
Order No.	4060120000	TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated
GTIN (EAN)	4032248252251	control voltage: 24 V DC, Continuous current: 6 A, Plug-in connection,
Qty.	20 ST	Test button available: No

Creation date 21.12.2025 04:58:14 MEZ

TRP T 24VDC 1CO M3 EMPTY

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

Type	WS 12/6 MM WS	Version	
Order No.	2007200000	WS, Terminal marker, 12 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118391886		
Qty.	600 ST		