Data sheet

RCLS3L024W

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Similar to illustration

Individual relays for TERMSERIES
- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 1, NO contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	1984080000
Type	RCLS3L024W
GTIN (EAN)	4050118369175
Qty.	20 items

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E302101

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.6181 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	14.4 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E302101

Control side

Rated control voltage	24 V DC	Rated current DC	17.3 mA
Power rating	420 mW	Coil resistance	1440 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Switching frequency (rated load), max.	0.1 Hz	Inrush current	80 A / 20 ms
AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 4 ms
Contact type	1 NO contact (AgSnO)	Min. switching power	1 W

General data

Test button available	No	Mechanical switch position indicator available	No
Colour	white		

Insulation coordination

Rated voltage	400 V	Pollution severity	3
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 10 mm

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Technical data

Dielectric strength for control side - load side	5 kVeff / 1min	Dielectric strength of open contact	1 kVeff / 1 min
Protection degree	IP20		

Further details of approvals / standards

Certificate No. (cURus)	E302101

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

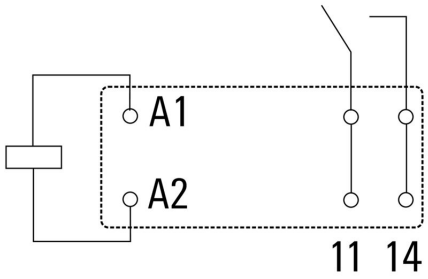
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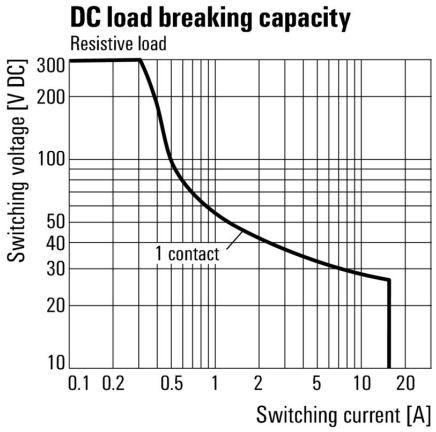
Drawings

Wiring diagram



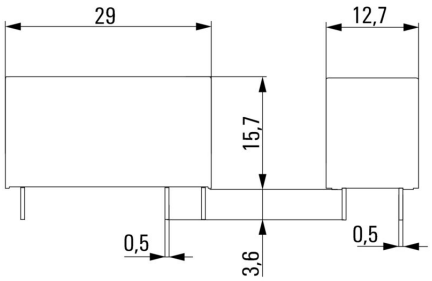
View of Pins from below

Graph



DC load limit curve

Dimensional drawing



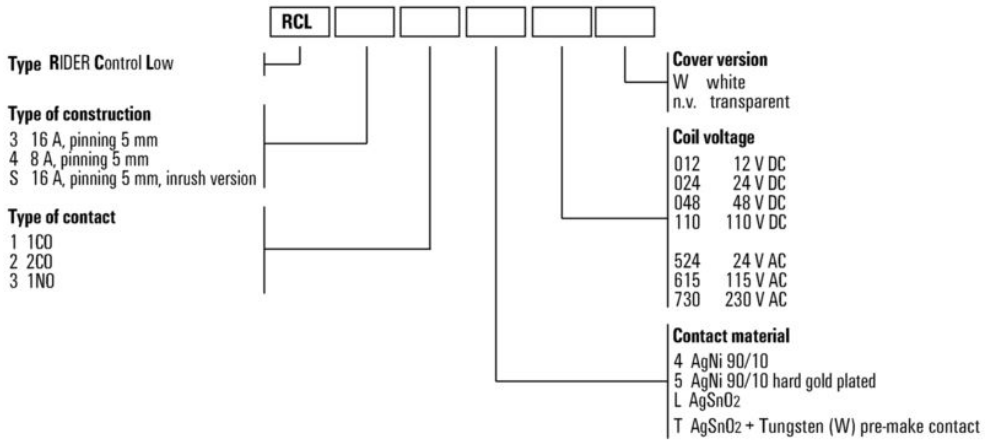
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Drawings

Miscellaneous



Type codes

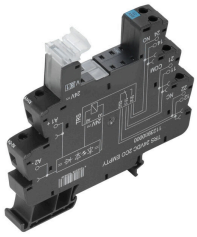
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Counterpart

Screw connection

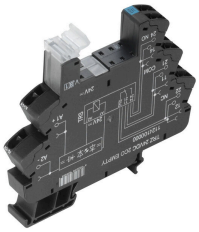


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOS 24VDC EMPTY	Version
Order No.	1127720000	TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20 % ,
GTIN (EAN)	4032248909377	Rated switching voltage: 230 V AC, Continuous current: 16 A, Screw
Qty.	10 ST	connection

Tension clamp connection

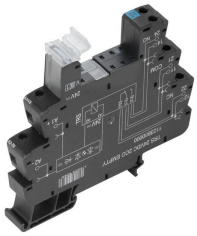


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOZ 24VDC EMPTY	Version
Order No.	1127740000	TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20
GTIN (EAN)	4032248909421	% , Rated switching voltage: 230 V AC, Continuous current: 16 A,
Qty.	10 ST	Tension-clamp connection

Screw connection



TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOS 24-230VUC EMPTY	Version
Order No.	1127730000	TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10
GTIN (EAN)	4032248909254	% , Rated switching voltage: 230 V AC, Continuous current: 16 A,
Qty.	10 ST	Screw connection

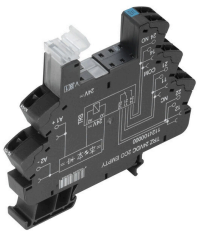
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Counterpart

Tension clamp connection

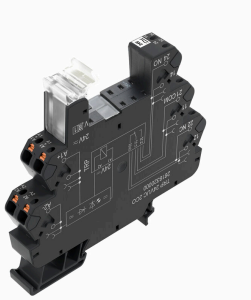


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOZ 24-230VUC EMPTY	Version
Order No.	1127750000	TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10
GTIN (EAN)	4032248909223	% , Rated switching voltage: 230 V AC, Continuous current: 16 A,
Qty.	10 ST	Tension-clamp connection

PUSH IN connection

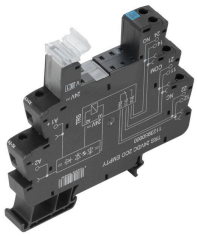


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOP 24VDC EMPTY	Version
Order No.	2618740000	TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20 % ,
GTIN (EAN)	4050118670097	Rated switching voltage: 230 V AC, Continuous current: 16 A, PUSH
Qty.	10 ST	IN
Type	TOP 24-230VUC EMPTY ED2	Version
Order No.	2663110000	TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10
GTIN (EAN)	4050118697964	% , Rated switching voltage: 250 V AC, Continuous current: 16 A,
Qty.	10 ST	PUSH IN

Screw connection



TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

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Counterpart

General ordering data

Type	TOS 24-230VUC EMPTY ED2	Version
Order No.	2662950000	TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10
GTIN (EAN)	4050118698121	% , Rated switching voltage: 250 V AC, Continuous current: 16 A,
Qty.	10 ST	Screw connection