

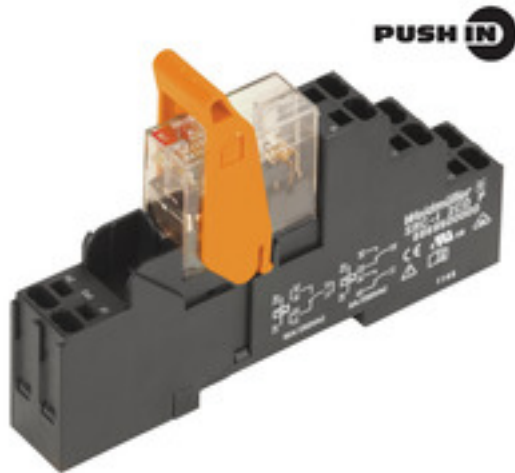
RCIKITP 230VAC 1CO LD**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 1 CO contacts
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- identification of coils (AC red / DC blue)

General ordering data

Version	RIDERSERIES RCI, Relay module, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A ⁽¹⁾ , PUSH IN
Order No.	8897140000
Type	RCIKITP 230VAC 1CO LD
GTIN (EAN)	4032248646913
Qty.	10 pc(s).
Relevant base	8869500000
Relevant relay	8870150000

Creation date March 29, 2021 11:37:51 PM CEST

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Technical data

Dimensions and weights

Depth	69.6 mm	Depth (inches)	2.74 inch
Height	98 mm	Height (inches)	3.858 inch
Net weight	57.1 g	Width	15.8 mm
Width (inches)	0.622 inch		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Probability of failure

B10	230.000 AC15: 250Vac/3A
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

Coil resistance	32500 $\Omega \pm 15\%$	Power rating	1012 mVA
Pull-in/drop-out voltage, typ.	172.5 V / 34.5 V AC	Rated control voltage	230 V AC
Rated current AC	4.4 mA	Status indicator	red LED

Load side

AC switching capacity (resistive), max.		Continuous current	16 A .1) For full continuous current (16 A), relay connections 11-21, 12-22 and 14-24 must be bridged.
	4000 VA		
DC switching capacity (resistive), max.	384 W @ 24 V	Inrush current	30 A / 4 s
Max. switching frequency at rated load		Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
	0.1 Hz		
Rated switching voltage	250 V AC	Switch-off delay	≤ 6 ms
Switch-on delay	≤ 8 ms		

Contact data

Contact type	1 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5×10^6 switching cycles, DC coil 10×10^6 switching cycles
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General data

Rail	TS 35	Test button	No
Mechanical switch position indicator	No	Colour	black

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Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of open contact	1 kV _{eff} / 1 min
Dielectric strength, Input/Output	5 kV _{eff} / 1min	Impulse withstand voltage	5 kV (1.2/50 μs)
Insulating material group	IIIa	Pollution severity	2
Protection degree	IP20	Rated voltage	250 V
Surge voltage category	III		

Further details of approvals / standards

Standards	DIN EN 50178	Certificate no. (CSA) relay	249409-2426937
Certificate no. (CSA) base	249409-2295474	Certificate No. (DNVGL)	TAA000011A
Certificate no. (cURus) relay	E224238	Certificate no. (cURus) base	E223759

Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	12 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.75 mm ²
Clamping range, max.	1.5 mm ²	Wire cross-section, solid, min.	0.75 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire connection cross section, finely stranded, min.	0.75 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.75 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	0.75 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.75 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1 mm ²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

Important note

Product information 1) For full continuous current (16 A), relay connections 11–21, 12–22 and 14–24 must be bridged.

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S

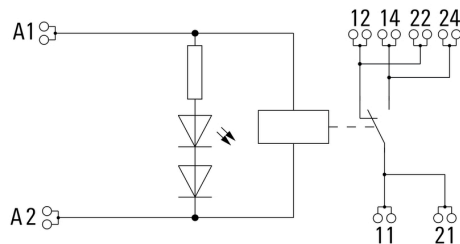
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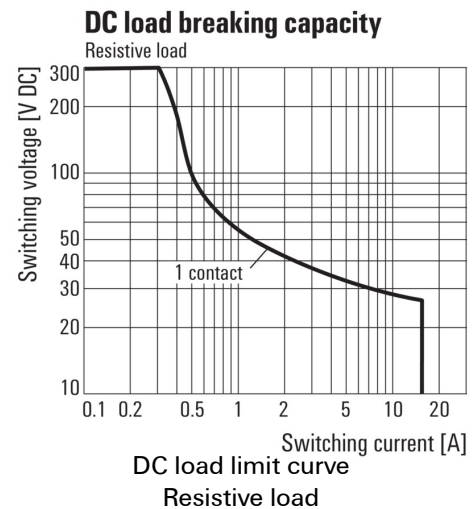
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Drawings

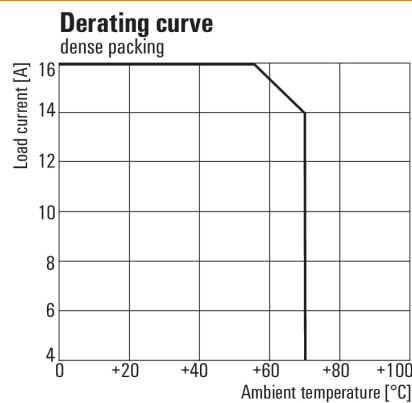
Wiring diagram



Graph



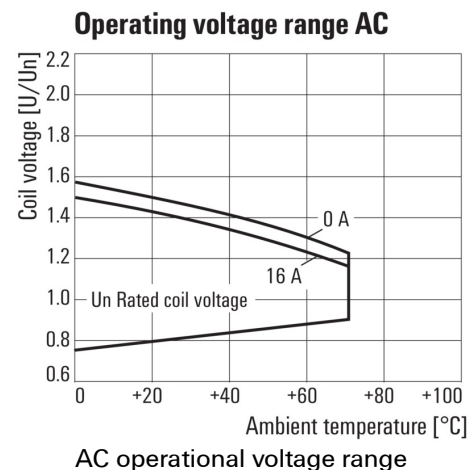
Graph



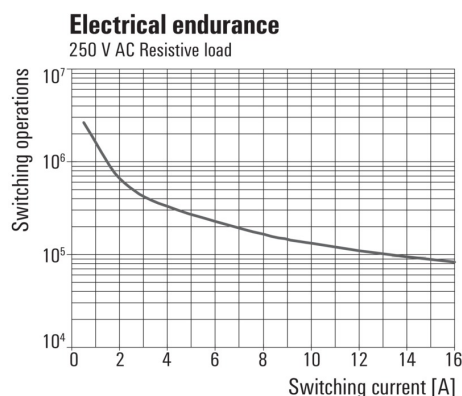
* For full continuous current (16 A), socket connections 11-21, 12-22 and 14-24 must be bridged.

Derating curve
Relay in combination with base

Graph

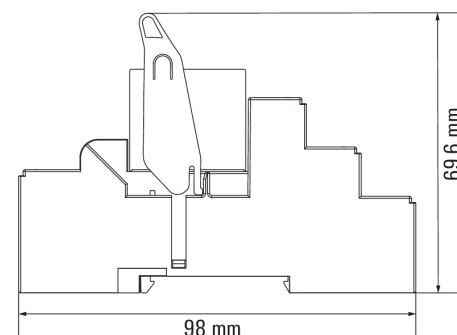


Graph



Electrical service life 250 V AC resistive load
250 V AC resistive load

Dimensioned drawing



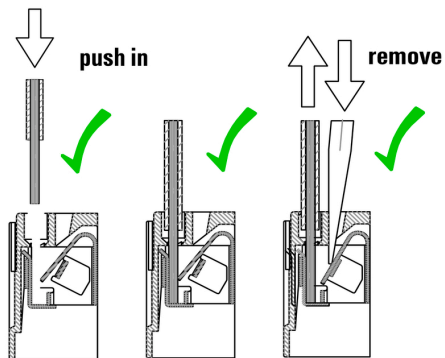
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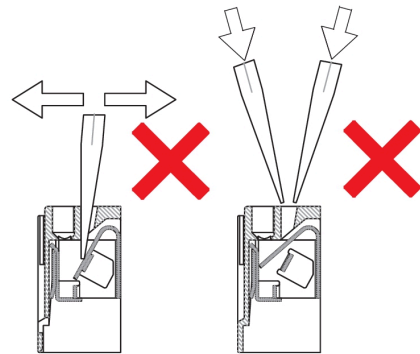
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Drawings

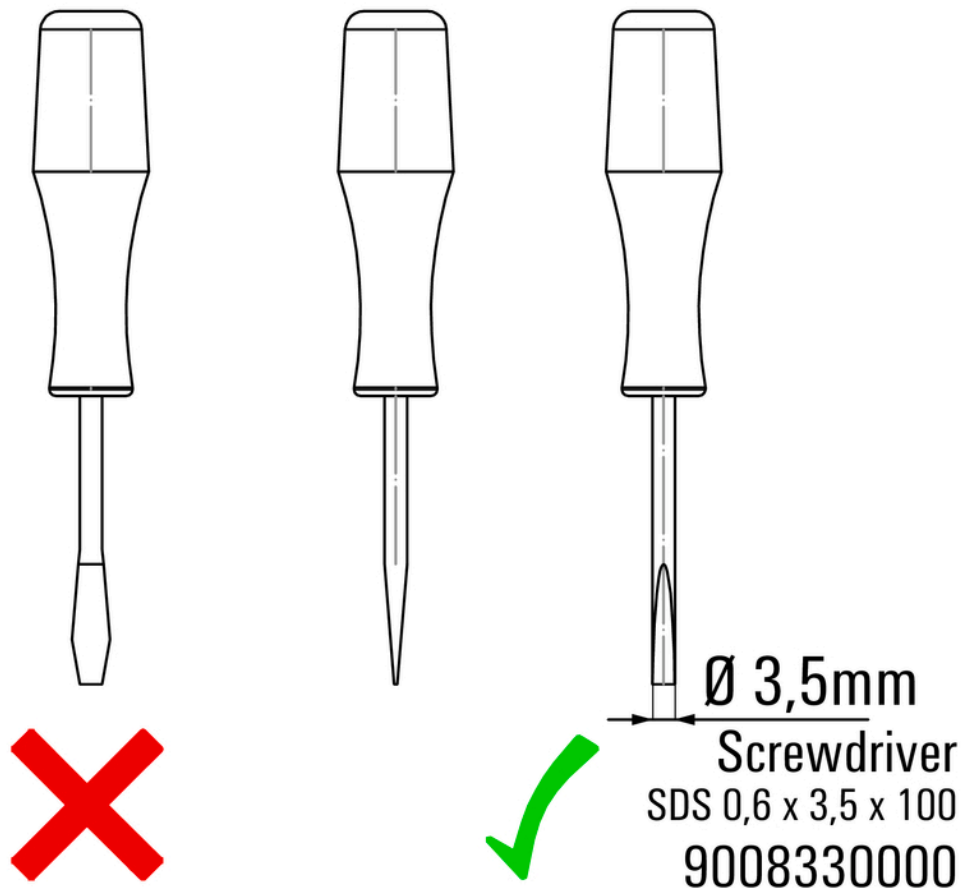
Correct handling PUSH IN connection



Wrong handling PUSH IN connection



Recommended screwdriver



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