

RCIKITP 24VDC 2CO LD/PB MC**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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Product image

Similar to illustration

**General ordering data**

Version	RIDERSERIES RCI, Relay module, Number of contacts: 2, CO contact with test button AgNi, Rated control voltage: 24 V DC, Continuous current: 8 A, PUSH IN, Test button available: Yes
Order No.	1180240000
Type	RCIKITP 24VDC 2CO LD/PB MC
GTIN (EAN)	4032248971787
Qty.	10 pc(s).
Relevant base	8869500000
Relevant relay	8870320000

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Technical data

Dimensions and weights

Depth	58.1 mm	Depth (inches)	2.287 inch
Height	98 mm	Height (inches)	3.858 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	56.4 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

Rated control voltage	24 V DC	Rated current DC	31.6 mA
Power rating	761 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 $\Omega \pm 10\%$	Coil tolerance	10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	15 A / 4 s
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	192 W @ 24 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 6 ms
Contact type	2 CO contact with test button (AgNi)	Mechanical service life	AC coil 5×10^6 switching cycles, DC coil 10×10^6 switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		

General data

Version	with metal retaining clip	Rail	TS 35
Test button available	Yes	Version of test button	lockable, just when removing the detend lock
Mechanical switch position indicator	Yes	Colour	black

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength, Input/Output	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1 kV _{eff} / 1 min
Impulse withstand voltage	5 kV (1.2/50 μ s)	Protection degree	IP20

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E224238

Further details of approvals / standards

Certificate no. (CSA) relay	249409-2426937
Certificate No. (DNVGL)	TAA000011A
Certificate no. (cURus) base	E223759

Certificate no. (CSA) base	249409-2295474
Certificate no. (cURus) relay	E224238

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
ETIM 8.0	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

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	20220511 Product consolidation RIDERSERIES RCI KITS 20220511 Produktkonsolidierung RIDERSERIES RCI KITS
Catalogues	Catalogues in PDF-format

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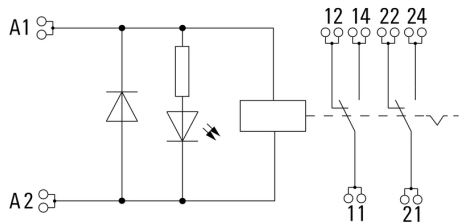
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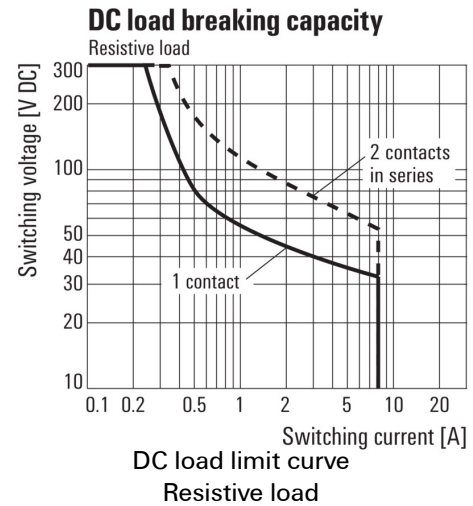
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Drawings

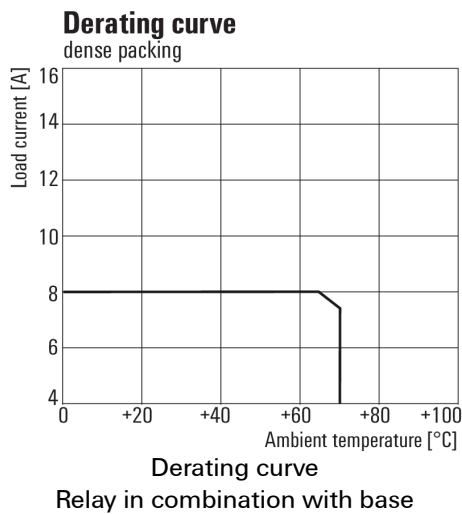
Wiring diagram



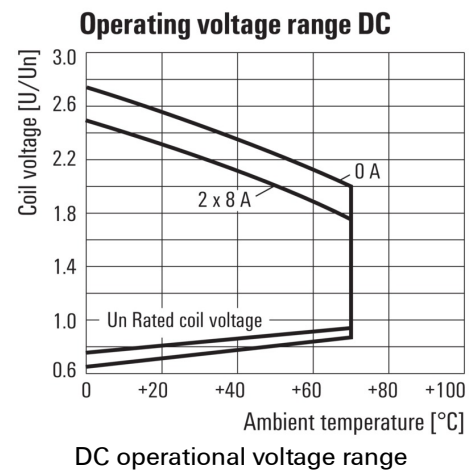
Graph



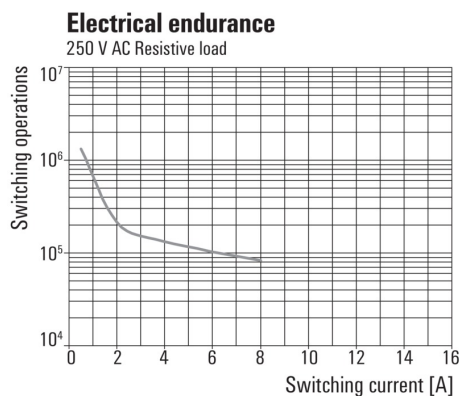
Graph



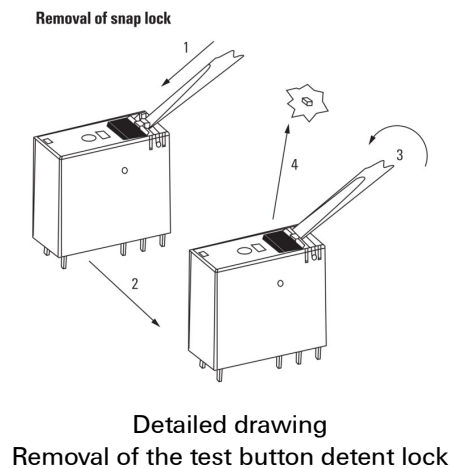
Graph



Graph



Dimensional drawing



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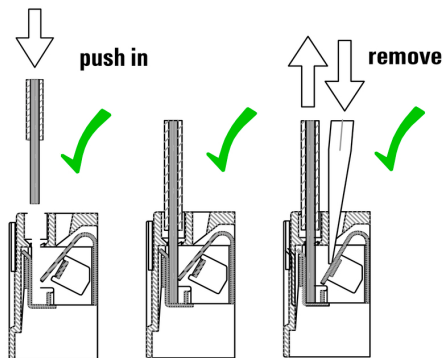
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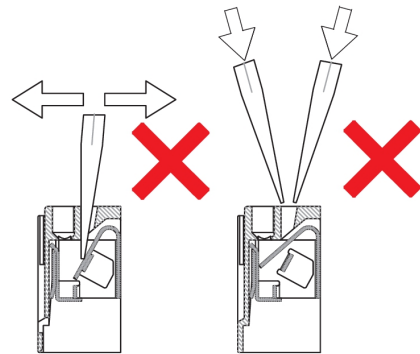
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Drawings

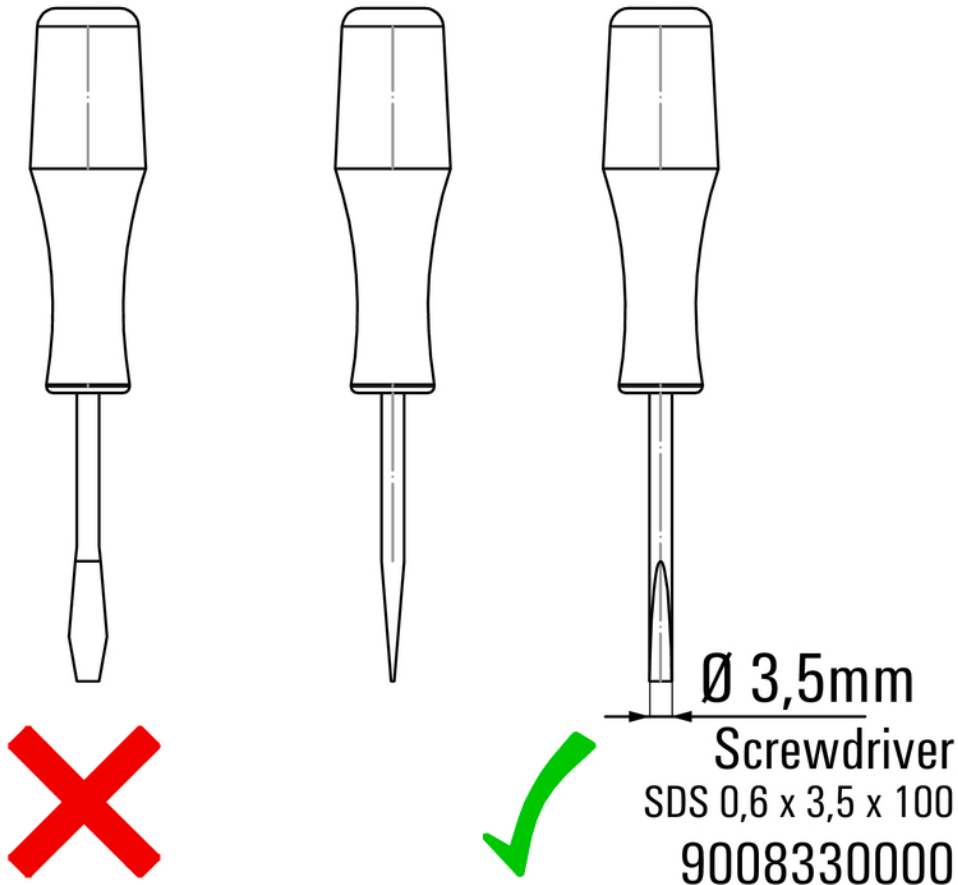
Correct handling PUSH IN connection



Wrong handling PUSH IN connection



Recommended screwdriver



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