

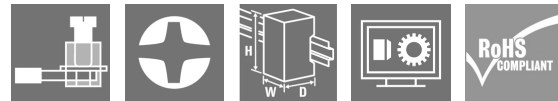
**RCIKIT 24VDC 2CO LD/FG****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Relay modules with forcibly guided contacts  
Relays with forcibly guided contacts have a 99 % diagnostics coverage and an excellent reputation for use in safety systems. The contacts interlock mechanically with each other in order to ensure a synchronous switching status of both contacts. This guarantees that the alert contact will maintain the same switching status in the event of an error (for example, if the working contact welds from an overload). The controller (or safety controller) detects the alert contact and then compares the set values and actual values. If a difference occurs, measures can then be taken to protect equipment and human life.

- 2 CO contacts with 6 A, forcibly guided according to EN 61810-3 type B
- Proven component in safety technology
- Diagnosis coverage of 99 %

**General ordering data**

Version	RIDERSERIES FG, Relay module with positively driven contacts, Number of contacts: 2, CO contacts forcibly guided (EN 61810-3 type B) AgCuNi, Rated control voltage: 24 V DC $\pm 10\%$ , Continuous current: 6 A, Screw connection, Test button available: No
Order No.	<a href="#">1218410000</a>
Type	RCIKIT 24VDC 2CO LD/FG
GTIN (EAN)	4050118002416
Qty.	10 pc(s).
Relevant base	<a href="#">8690830000</a>
Relevant rim module	<a href="#">8713720000</a>
Relevant relay	<a href="#">1218380000</a>

## RCIKIT 24VDC 2CO LD/FG

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## Technical data

## Dimensions and weights

Depth	61.6 mm	Depth (inches)	2.425 inch
Height	77.6 mm	Height (inches)	3.055 inch
Width	15.6 mm	Width (inches)	0.614 inch
Net weight	71.1 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 95 % rel. humidity, no condensation		

## Control side

Rated control voltage	24 V DC $\pm$ 10 %	Rated current DC	31.6 mA
Power rating	759 mW	Coil resistance	720 $\Omega$ $\pm$ 10 %
Coil tolerance	10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

## Load side

Rated switching voltage	250 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	250 V
Inrush current	15 A / 20 ms	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	144 W @ 24 V	Switch-on delay	$\leq$ 12 ms
Switch-off delay	$\leq$ 6 ms	Contact type	2 CO contacts forcibly guided (EN 61810-3 type B) (AgCuNi)
Mechanical service life	$> 50 \times 10^6$ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V

## General data

Rail	TS 35	Test button available	No
Mechanical switch position indicator	No	Colour	black
UL 94 flammability rating	V-1		

## Insulation coordination

Rated voltage	250	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	$\geq$ 10 mm
Dielectric strength for control side - load side	2.5 kV <sub>eff</sub> / 1 Min.	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1.5 kV <sub>eff</sub> / 1 min.	Impulse withstand voltage	6 kV (1.2/50 $\mu$ s)
Protection degree	IP20		

## Further details of approvals / standards

Standards	DIN EN 50205	Certificate no. (cURus) base	E223759
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## Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Blade size	size PH1

Creation date July 2, 2024 11:20:14 PM CEST

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## Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	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	ECLASS 13.0	27-37-16-01

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	fc45714a-dcf9-499e-b37b-5a6f61f2521f

## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">SISTEMA, Zuken E3.S</a>
Software	<a href="#">Library and function block – SISTEMA library 2.0</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

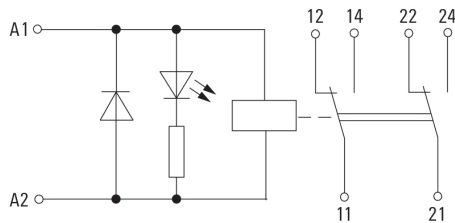
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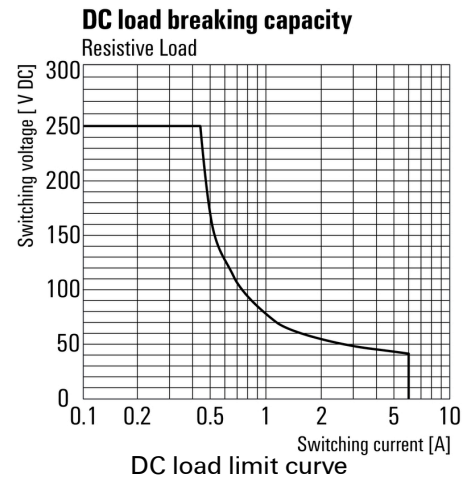
## Drawings

### Wiring diagram

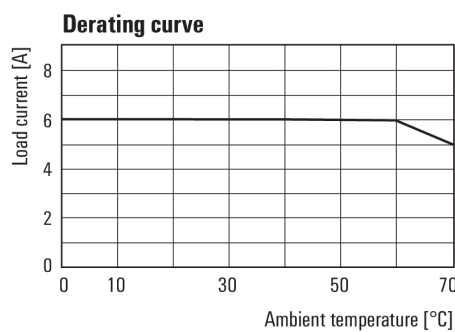


Connection diagram

### Graph

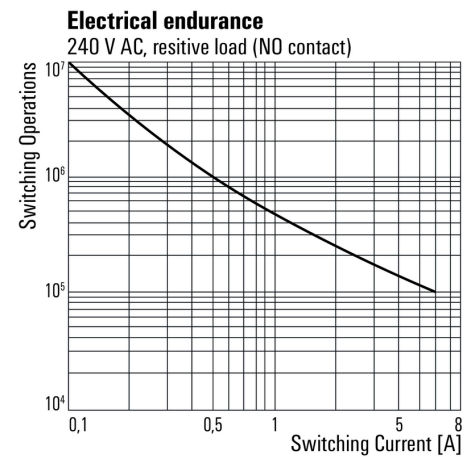


### Graph

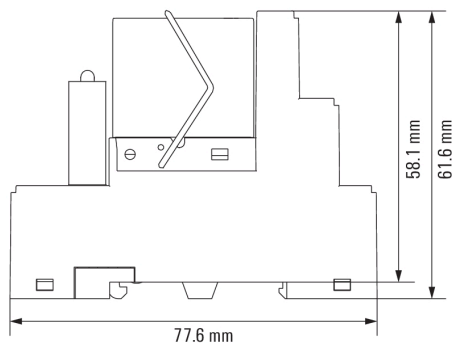


DC load limit curve

### Graph



### Dimensional drawing



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****ESG 6/15****Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

**Your benefits with MultiMark**

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

Type	ESG 6/15 MM WS	Version
Order No.	<a href="#">2619940000</a>	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3,000 pc(s).	

**Crosshead screwdriver Phillips**

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

**General ordering data**

Type	SDK PH1 X 80	Version
Order No.	<a href="#">2749410000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A):
GTIN (EAN)	4050118895636	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Retaining clips**

Retaining clip for RIDERSERIES RCI relays

- Metal and plastic retaining clip

**General ordering data**

Type	SRC-I CLIP HM RCI	Version
Order No.	<a href="#">1132090000</a>	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209	
Qty.	20 pc(s).	

**ESG 6/17****Guaranteed long service life: ESG**

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- Device markers with a familiar design

**General ordering data**

Type	ESG 6/17 MM WS	Version
Order No.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	

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## Accessories

## Crosshead screwdriver, Phillips



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

Type	SDIK SLIM PH1 X 80	Version
Order No.	<a href="#">2749650000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118896398	
Qty.	1 pc(s).	

## Individual components



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- Proven component in safety technology
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## General ordering data

Type	SRC MARK	Version
Order No.	<a href="#">8693270000</a>	RIDERSERIES FG, Label
GTIN (EAN)	4032248364725	
Qty.	10 pc(s).	

Type	RIM 2 6/24VDC GN	Version
Order No.	<a href="#">8713720000</a>	RIDERSERIES FG, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248389872	voltage: 6...24 V DC, Plug-in connection
Qty.	10 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

Type	SDIK PH1 X 80	Version
Order No.	<a href="#">2749890000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings**