

RCM330024**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Similar to illustration

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 3, CO contact without test button AgNi gold-plated, Rated control voltage: 24 V DC, Continuous current: 10 A, Plug-in connection, Test button available: Yes
Order No.	2450470000
Type	RCM330024
GTIN (EAN)	4050118464443
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Available until	2026-06-30T00:00:00+02:00

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E522350

Dimensions and weights

Depth	29 mm	Depth (inches)	1.1417 inch
Height	28 mm	Height (inches)	1.1024 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Net weight	29.8 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature		Humidity	40 °C / 93 % rel. humidity, no condensation

Environmental Product Compliance

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

Rated data UL

Certificate No. (cURus)	E522350
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Control side

Rated control voltage	24 V DC	Rated current DC	31.3 mA
Power rating	768 mW	Coil resistance	777 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	240 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	24 V
Inrush current	20 A / 20 ms	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	240 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms	Contact type	3 CO contact without test button (AgNi gold-plated)
Mechanical service life	DC coil 30 x 106 switching cycles	Min. switching power	1 mA @ 1 V

General data

Test button available	Yes	Version of test button	lockable
Colour	Transparent	UL 94 flammability rating	V-2

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Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Creepage and clearance distance input \geq 4 mm output		Dielectric strength, Input/Output	2.5 kVeff / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1.2 kVeff / 1 min.
Impulse withstand voltage	5 kV (1.2/50 μ s)	Protection degree	IP20

Further details of approvals / standards

Standards	IEC 61810-1	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011762	Certificate No. (cURus)	E522350

Connection data

Wire connection method	Plug-in connection
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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		

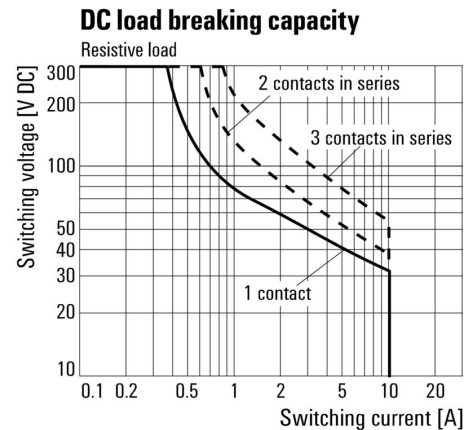
Drawings

Wiring diagram



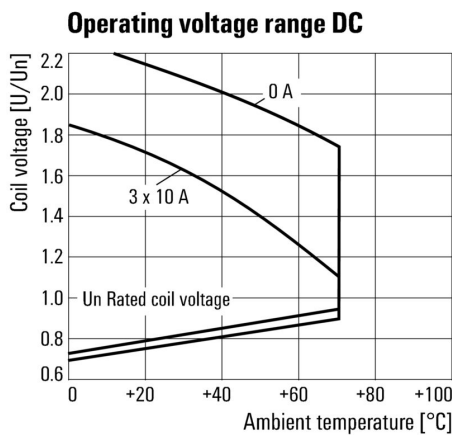
View of Pins from below

Graph



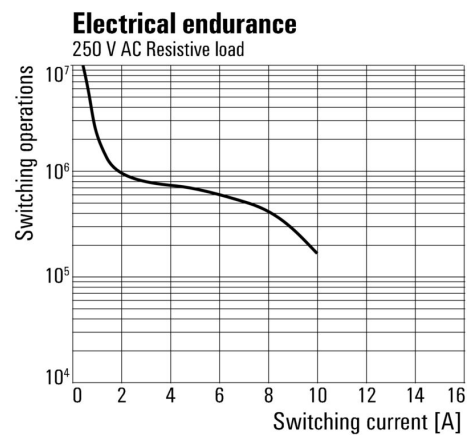
DC load limit curve

Graph



DC operational voltage range

Graph



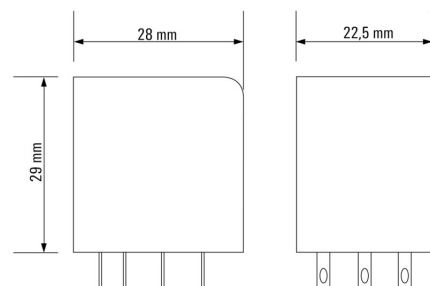
Electrical service life

Graph



Derating curve

Dimensional drawing



Miscellaneous



Type codes

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Accessories

Sockets



relays sockets for RIDERSERIES RCM relays

- 2, 3 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Type	SCM-I 3CO N	Version	
Order No.	8869410000	RIDERSERIES RCM, Relay socket, Number of contacts: 3, CO contact,	
GTIN (EAN)	4032248606375	Continuous current: 10 A, Screw connection	
Qty.	10 ST		

Cross-connection for socket with PUSH IN connection



Cross-connection for the sockets in the RIDERSERIES RCM

General ordering data

Type	SCM-I QV P	Version	
Order No.	8870850000	RIDERSERIES RCM, Cross-connector	
GTIN (EAN)	4032248631698		
Qty.	10 ST		

Cross-connection for socket with screw connection

Cross-connection for the sockets in the D-SERIES DRM.



General ordering data

Type	SCM-I QV S	Version	
Order No.	1132080000	RIDERSERIES RCM, Cross-connector	
GTIN (EAN)	4032248912193		
Qty.	10 ST		

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Accessories

Protection module



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with free-wheeling diode, protective varistor, load resistor or RC filter

General ordering data

Type	RIM-I 1 6/230V	Version	
Order No.	8869580000	Version	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	Version	DC, Plug-in connection
Qty.	10 ST		

LED / Free-wheel diode



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with green or red LED
- With free-wheeling diode
- For DC supply voltage

General ordering data

Type	RIM-I 2 24/60VDC	Version	
Order No.	8869670000	Version	RIDERSERIES, LED module with freewheel diode, Rated control voltage: 24...60 V DC, Plug-in connection
GTIN (EAN)	4032248614608	Version	
Qty.	10 ST		
Type	RIM-I 2 24/60VDC GN	Version	
Order No.	8869680000	Version	RIDERSERIES, LED module with freewheel diode, Rated control voltage: 24...60 V DC, Plug-in connection
GTIN (EAN)	4032248614615	Version	
Qty.	10 ST		
Type	RIM-I 2 6/24VDC	Version	
Order No.	8869590000	Version	RIDERSERIES, LED module with freewheel diode, Rated control voltage: 6...24 V DC, Plug-in connection
GTIN (EAN)	4032248614530	Version	
Qty.	10 ST		
Type	RIM-I 2 6/24VDC GN	Version	
Order No.	8869600000	Version	RIDERSERIES, LED module with freewheel diode, Rated control voltage: 6...24 V DC, Plug-in connection
GTIN (EAN)	4032248614547	Version	
Qty.	10 ST		

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Accessories

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LED



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with green or red LED
- For UC supply voltage

General ordering data

Type	RIM-I 3 24/60VUC	Version
Order No.	8869610000	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614554	in connection
Qty.	10 ST	
Type	RIM-I 3 24/60VUC GN	Version
Order No.	8869620000	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614561	in connection
Qty.	10 ST	
Type	RIM-I 3 6/24VUC	Version
Order No.	8869630000	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in
GTIN (EAN)	4032248614578	connection
Qty.	10 ST	
Type	RIM-I 3 6/24VUC GN	Version
Order No.	8869640000	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in
GTIN (EAN)	4032248614585	connection
Qty.	10 ST	

Protective varistor



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- With protective varistor
- For UC supply voltage

General ordering data

Type	RIM-I 4 24VUC VAR	Version
Order No.	8869710000	RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC,
GTIN (EAN)	4032248606344	Plug-in connection
Qty.	10 ST	

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Accessories

Retaining clips



Retaining clip for RIDERSERIES RCM relays
 • Metal and plastic retaining clip

General ordering data

Type	SCM-I CLIP M	Version	
Order No.	8869450000	RIDERSERIES RCM, Retaining clip	
GTIN (EAN)	4032248614301		
Qty.	10 ST		
Type	SCM-I CLIP N	Version	
Order No.	8875620000	RIDERSERIES RCM, Retaining clip	
GTIN (EAN)	4032248608577		
Qty.	10 ST		

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.	2619940000	ESG, Device markers, 6 x 15 mm, white	
GTIN (EAN)	4050118626148		
Qty.	3000 ST		

ESG 6/17



Guaranteed long service life: ESG

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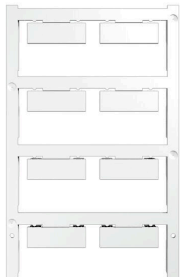
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Accessories

General ordering data

Type	ESG 6/17 MM WS	Version	
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white	
GTIN (EAN)	4050118390728		
Qty.	3000 ST		

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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	ESG 9/26 SCM-I MC NE WS	Version	
Order No.	2558330000	ESG, Device markers x 26 mm, PA 66, Colour: white, pluggable	
GTIN (EAN)	4050118569049		
Qty.	80 ST		

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Counterpart

Sockets



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