

RCM270024**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCM

- 2 CO contacts
- Optional AC or DC coils
- With test button

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 12 A, Plug-in connection, Test button available: Yes
Order No.	8689860000
Type	RCM270024
GTIN (EAN)	4032248360536
Qty.	10 pc(s).

Creation date August 29, 2024 5:25:40 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	29 mm	Depth (inches)	1.142 inch
Height	28 mm	Height (inches)	1.102 inch
Width	22.5 mm	Width (inches)	0.886 inch
Net weight	26.815 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E522350
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Control side

Rated control voltage	24 V DC	Rated current DC	30.9 mA
Power rating	741 mW	Coil resistance	777 Ω ± 10 %
Coil tolerance	10 %	Status indicator	No

Load side

Rated switching voltage	240 V AC	Continuous current	12 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	24 A / 20 ms	AC switching capacity (resistive), max.	3000 VA
DC switching capacity (resistive), max.	288 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms	Contact type	2 CO contact (AgNi)
Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Test button available	Yes	Version of test button	Lockable test button, Mo- mentary test button
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 4 mm	Dielectric strength for control side - load side	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring con- tacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1.2 kV _{eff} / 1 min.
Impulse withstand voltage	5 kV (1.2/50 μs)	Protection degree	IP20

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40011762
Certificate No. (cURus)	E522350		

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Technical data

Connection data

Wire connection method	Plug-in connection
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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
ECLASS 14.0	27-37-16-01		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	

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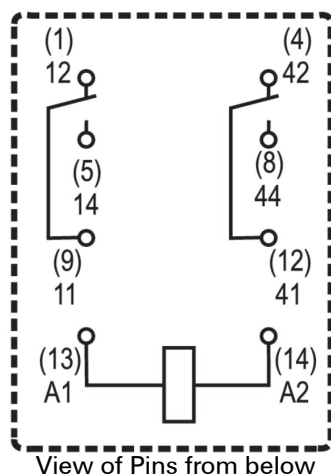
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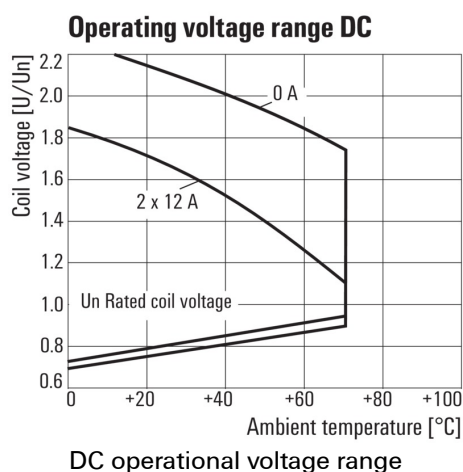
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Drawings

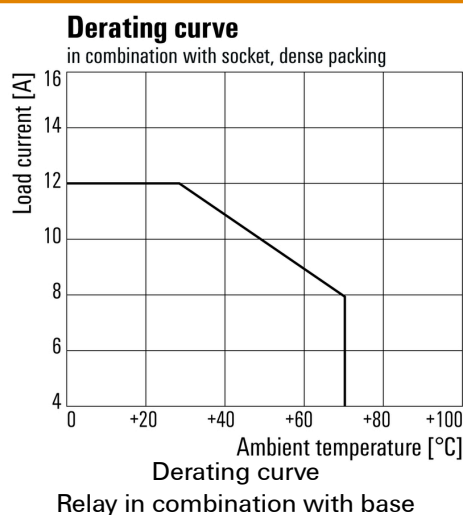
Wiring diagram



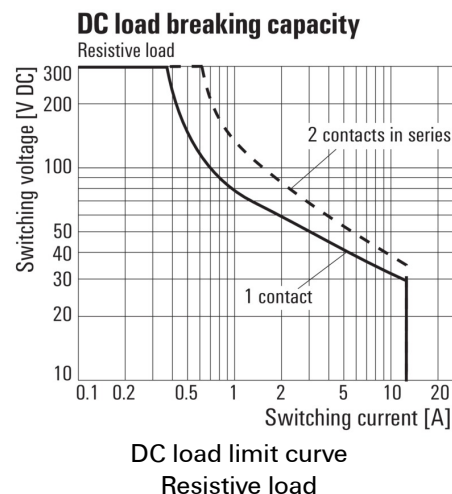
Graph



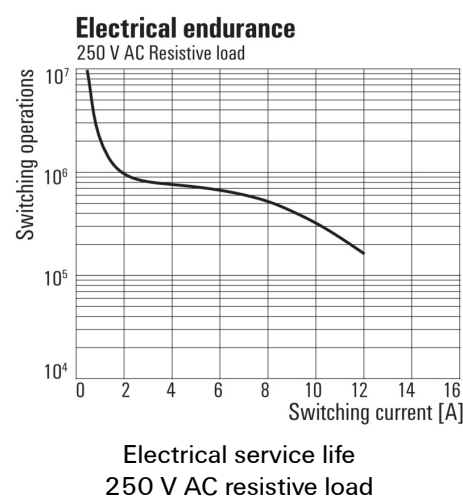
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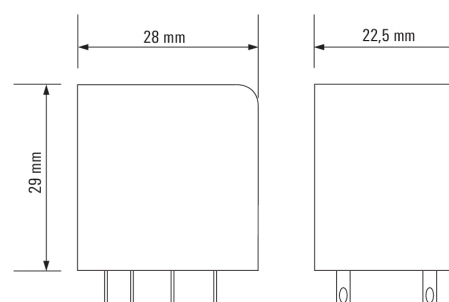
Graph



Graph



Dimensional drawing



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Accessories

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, Plug-
GTIN (EAN)	4032248606344	in connection
Qty.	10 pc(s).	

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
GTIN (EAN)	4050118569049	
Qty.	80 pc(s).	

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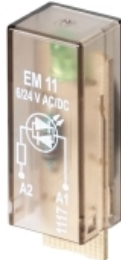
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Accessories

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 GN	Version
Order No.	8869620000	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614561	in connection
Qty.	10 pc(s).	
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 pc(s).	
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 pc(s).	
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 pc(s).	

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 pc(s).	
Type	SCM-I CLIP N	Version
Order No.	8875620000	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	4032248608577	
Qty.	10 pc(s).	

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Accessories

Type	SCM-I CLIP P	Version
Order No.	8869440000	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	40322486 14295	
Qty.	10 pc(s).	

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.	3,000 pc(s).	

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 pc(s).	

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Accessories

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

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	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	DC, Plug-in connection
Qty.	10 pc(s).	

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Accessories

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 pc(s).	

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 2CO	Version
Order No.	8869400000	RIDERSERIES RCM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614264	Continuous current: 12 A, Screw connection
Qty.	10 pc(s).	
Type	SCM-I 4CO P	Version
Order No.	8869430000	RIDERSERIES RCM, Relay socket, Number of contacts: 4, CO contact,
GTIN (EAN)	4032248614288	Continuous current: 6 A, PUSH IN
Qty.	10 pc(s).	
Type	SCM-I 2CO P	Version
Order No.	8876220000	RIDERSERIES RCM, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248609031	Continuous current: 12 A, PUSH IN
Qty.	10 pc(s).	
Type	SCM-I 4CO N	Version
Order No.	8869390000	RIDERSERIES RCM, Relay socket, Number of contacts: 4, CO contact,
GTIN (EAN)	4032248614257	Continuous current: 6 A, Screw connection
Qty.	10 pc(s).	
Type	SCM-I 4CO	Version
Order No.	8869420000	RIDERSERIES RCM, Relay socket, Number of contacts: 4, CO contact,
GTIN (EAN)	4032248614271	Continuous current: 6 A, Screw connection
Qty.	10 pc(s).	

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www.weidmueller.com**Accessories****ESG 6/17****Guaranteed long service life: ESG**

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- Can be used with equipment from many manufacturers
- Device markers with a familiar design

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.	3,000 pc(s).	

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Drawings

Miscellaneous

		RCM						
Type	RIDER Control Multiple						Coil voltage	with LED + diode
Type of contact							006	6 V DC L06
2 2CO							012	12 V DC L12 AB2
3 3CO							024	24 V DC L24 AC4
5 4CO							048	48 V DC L48 AE8
Contact material							060	60 V DC L60
7 AgNi 90/10 with test button							110	110 V DC M10 BB0
8 AgNi 90/10 hgp, with test button							220	220 V DC N20
							506	6 V AC R06
							512	12 V AC R12
							524	24 V AC R24
							548	48 V AC R48
							615	115 V AC S15
							730	230 V AC T30
							Type of construction	
							0	Standard, 2,8mm Faston

Type codes