

SCM 2CO**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 socket, Number of contacts: 2, CO contact, Continuous current: 12 A, Screw connection
Order No.	8690880000
Type	SCM 2CO
GTIN (EAN)	4032248374212
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	61.5 mm	Depth (inches)	2.421 inch
Height	77 mm	Height (inches)	3.031 inch
Width	27 mm	Width (inches)	1.063 inch
Net weight	57.421 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-45 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Rated data UL

Certificate No. (cURus)	E223759
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Load side

Rated switching voltage	250 V AC	Continuous current	12 A
Max. switching voltage, AC	300 V	AC switching capacity (resistive), max.	3000 VA
Contact type	2 CO contact		

General data

Rail	TS 35	Colour	black
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Insulation coordination

Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.	Protection degree	IP20
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Further details of approvals / standards

Standards	UL508	Certificate No. (cURus)	E223759
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Connection data

Wire connection method	Screw connection	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.8 Nm	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Blade size	size PH1		

Classifications

ETIM 6.0	EC001456	ETIM 7.0	EC001456
ETIM 8.0	EC001456	ETIM 9.0	EC001456
ETIM 10.0	EC001456	ECLASS 9.0	27-37-16-03
ECLASS 9.1	27-37-16-03	ECLASS 10.0	27-37-16-03
ECLASS 11.0	27-37-16-03	ECLASS 12.0	27-37-16-03
ECLASS 13.0	27-37-16-03	ECLASS 14.0	27-37-16-03
ECLASS 15.0	27-37-16-03		

Environmental Product Compliance

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

Creation date May 11, 2025 11:08:36 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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UL File Number Search	UL Website
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Certificate No. (cURus)	E223759
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Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
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Catalogues	Catalogues in PDF-format
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Accessories

RCL

General ordering data

Type	RIM 3 24/60VUC GN	Version
Order No.	8713760000	RIDERSERIES RCL, LED module, Rated control voltage: 24...60 V UC,
GTIN (EAN)	4032248390137	Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 6/24VUC GN	Version
Order No.	8713780000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248390151	voltage: 6...24 V UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 1 R 110/230V	Version
Order No.	8816590000	RIDERSERIES RCL, Load
GTIN (EAN)	4032248516803	
Qty.	10 pc(s).	
Type	RIM 3 6/24VUC GN	Version
Order No.	8713750000	RIDERSERIES RCL, LED module, Rated control voltage: 6...24 V UC,
GTIN (EAN)	4032248390120	Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 110/230VUC GN	Version
Order No.	8713770000	RIDERSERIES RCL, LED module, Rated control voltage: 110...230 V
GTIN (EAN)	4032248390144	UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 110/230VUC GN	Version
Order No.	8713800000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248390182	voltage: 110...230 V UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 24/60VUC	Version
Order No.	8691020000	RIDERSERIES RCL, LED module, Rated control voltage: 24...60 V UC,
GTIN (EAN)	4032248361700	Plug-in connection
Qty.	10 pc(s).	
Type	RIM 2 110/230VDC	Version
Order No.	8690970000	RIDERSERIES RCL, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248361656	voltage: 110...230 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 2 24/60VDC	Version
Order No.	8690960000	RIDERSERIES RCL, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248361649	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 110/230VAC	Version
Order No.	8691000000	RIDERSERIES RCL, RC filter, Rated control voltage: 110...230 V AC,
GTIN (EAN)	4032248361687	Plug-in connection
Qty.	10 pc(s).	

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Accessories

Type	RIM 2 24/60VDC GN	Version
Order No.	8713730000	RIDERSERIES RCL, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248389889	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 1 6/230V	Version
Order No.	8690940000	RIDERSERIES RCL, Free-wheeling diode, Rated control voltage: 6...230
GTIN (EAN)	4032248361601	V, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 24/60VAC	Version
Order No.	8690990000	RIDERSERIES RCL, LED module, Rated control voltage: 24...60 V AC,
GTIN (EAN)	4032248361670	Plug-in connection
Qty.	10 pc(s).	
Type	RIM 2 110/230VDC GN	Version
Order No.	8713740000	RIDERSERIES RCL, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248390113	voltage: 110...230 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 110/230VUC	Version
Order No.	8691060000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248361748	voltage: 110...230 V UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 2 6/24VDC	Version
Order No.	8690950000	RIDERSERIES RCL, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248361632	voltage: 6...24 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 24/60VUC	Version
Order No.	8691050000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248361731	voltage: 24...60 V UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 6/24VAC	Version
Order No.	8690980000	RIDERSERIES RCL, LED module, Rated control voltage: 6 V AC, 24 V
GTIN (EAN)	4032248361663	AC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 6/24VUC	Version
Order No.	8691040000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248361724	voltage: 6...24 V UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 3 110/230VUC	Version
Order No.	8691030000	RIDERSERIES RCL, LED module, Rated control voltage: 110...230 V
GTIN (EAN)	4032248361717	UC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM 4 24/60VUC GN	Version
Order No.	8713790000	RIDERSERIES RCL, LED module, Protective varistor, Rated control
GTIN (EAN)	4032248390168	voltage: 24...60 V UC, Plug-in connection
Qty.	10 pc(s).	

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Individual components



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

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

RCM

General ordering data

Type	SCM CLIP P	Version
Order No.	8691110000	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	4032248361816	
Qty.	10 pc(s).	
Type	SCM CLIP M	Version
Order No.	8691100000	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	4032248361809	
Qty.	10 pc(s).	