

**SCM-I 3CO N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

relays sockets for RIDERSERIES RCM relays

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

**General ordering data**

|            |  |
|------------|--|
| Version    | RIDERSERIES RCM, Relay socket, Number of contacts: 3, CO contact, Continuous current: 10 A, Screw connection |
| Order No.  | <a href="#">8869410000</a>   |
| Type       | SCM-I 3CO N  |
| GTIN (EAN) | 4032248606375  |
| Qty.       | 10 pc(s).  |

## SCM-I 3CO N

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 41.5 mm  | Depth (inches)  | 1.634 inch |
| Height     | 73.5 mm  | Height (inches) | 2.894 inch |
| Width      | 27.2 mm  | Width (inches)  | 1.071 inch |
| Net weight | 51.141 g |                 |            |

## Temperatures

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

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E223759 |
|-------------------------|---------|

## Load side

|                            |          |                    |              |
|----------------------------|----------|--------------------|--------------|
| Rated switching voltage    | 250 V AC | Continuous current | 10 A         |
| Max. switching voltage, AC | 400 V    | Contact type       | 3 CO contact |

## General data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Rail                      | TS 35 | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

## 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 <sub>eff</sub> / 1 Min. |
| Type of isolation at input and output                         | Basic insulation | Dielectric strength of neighbouring contacts     | 2.5 kV <sub>eff</sub> / 1 Min. |
| Type of isolation at neighbouring contacts                    | Basic insulation | Dielectric strength of open contact              | 1.2 kV <sub>eff</sub> / 1 min. |
| Protection degree   | IP20             |  |                                |

## Further details of approvals / standards

|                         |                |                       |          |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA)   | 249409-2295474 | Certificate No. (VDE) | 40011762 |
| Certificate No. (cURus) | E223759        |                       |          |

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## Technical data

## Connection data

|   |                     |   |                   |
|---|---------------------|---|-------------------|
| Wire connection method  | Screw connection    | Stripping length, rated connection  | 8 mm              |
| Tightening torque, min.   | 0.5 Nm              | Tightening torque, max.   | 0.7 Nm            |
| Clamping range, rated connection  | 2.5 mm <sup>2</sup> | Clamping range, min.  | 1 mm <sup>2</sup> |
| Clamping range, max.  | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.   | 1 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 1 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 1 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, two clampable wires, min.               | 1 mm <sup>2</sup> |
| Wire cross-section, finely stranded, two clampable wires, max.                          | 1.5 mm <sup>2</sup> | Blade size  | size PZ1          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001456    | ETIM 7.0    | EC001456    |
| ETIM 8.0    | EC001456    | ETIM 9.0    | 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 |

## Important note

Product information IP20 without connected conductor at complete opened clamping yoke connection.

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E223759    |

## Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |   |

## SCM-I 3CO N

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

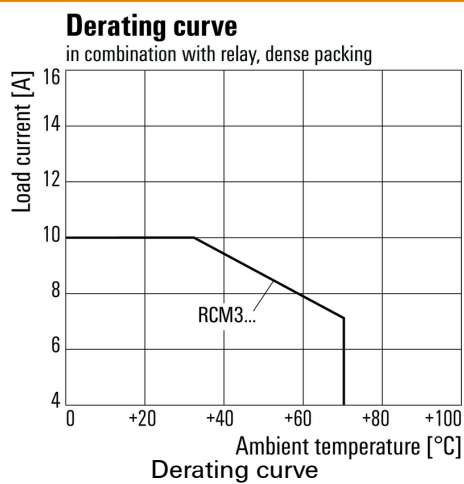
D-32758 Detmold

Germany

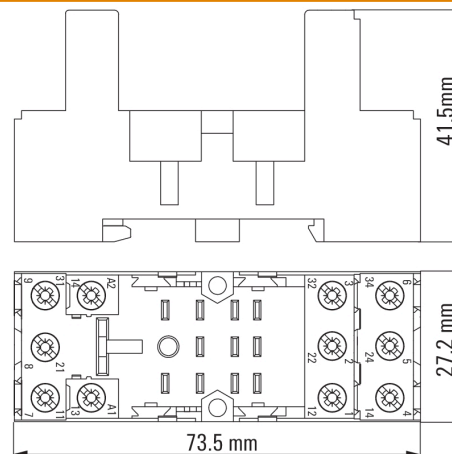
www.weidmueller.com

## Drawings

## Graph

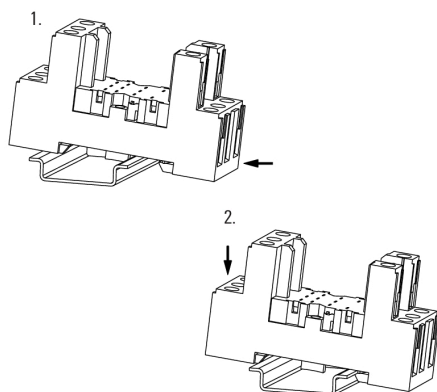


## Dimensional drawing



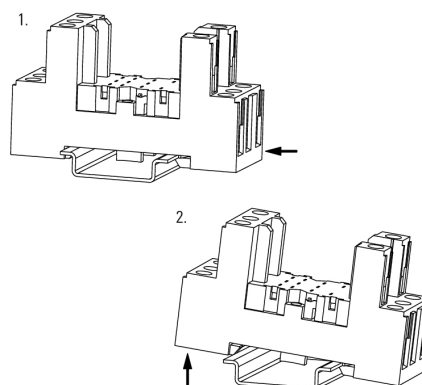
## Miscellaneous

## Snap on socket



## Miscellaneous

## Unlatching socket



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

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 PZ1 X 80         | Version   |
| Order No.  | <a href="#">2749670000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896411              |   |
| Qty.       | 1 pc(s).                   |   |

**Retaining clips**

Retaining clip for RIDERSERIES RCM relays

- Metal and plastic retaining clip

**General ordering data**

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | SCM-I CLIP N               | Version                         |
| Order No.  | <a href="#">8875620000</a> | RIDERSERIES RCM, Retaining clip |
| GTIN (EAN) | 4032248608577              |                                 |
| Qty.       | 10 pc(s).                  |                                 |
| Type       | SCM-I CLIP M               | Version                         |
| Order No.  | <a href="#">8869450000</a> | RIDERSERIES RCM, Retaining clip |
| GTIN (EAN) | 4032248614301              |                                 |
| Qty.       | 10 pc(s).                  |                                 |

## SCM-I 3CO N

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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 3 110/230VAC RC      | Version   |
| Order No.  | <a href="#">8869790000</a> | RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in connection         |
| GTIN (EAN) | 4032248606337              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 1 6/230V             | Version   |
| Order No.  | <a href="#">8869580000</a> | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC, Plug-in connection |
| GTIN (EAN) | 4032248614523              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 3 6/60VAC RC         | Version   |
| Order No.  | <a href="#">8869770000</a> | RIDERSERIES, RC filter, Rated control voltage: 6...60 V UC, Plug-in connection            |
| GTIN (EAN) | 4032248606320              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 3 230VAC RC          | Version   |
| Order No.  | <a href="#">1172210000</a> | RIDERSERIES, RC filter, Rated control voltage: 230 V UC, Plug-in connection               |
| GTIN (EAN) | 4032248964420              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 1 R 110/230V         | Version   |
| Order No.  | <a href="#">8870830000</a> | RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in connection              |
| GTIN (EAN) | 4032248631674              |   |
| Qty.       | 10 pc(s).                  |   |

## 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.  | <a href="#">8869710000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC, Plug-in connection |
| GTIN (EAN) | 4032248606344              |  |
| Qty.       | 10 pc(s).                  |  |

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

|            |                            |  |
|------------|----------------------------|--|
| Type       | RIM-I 4 230VUC VAR         | Version  |
| Order No.  | <a href="#">8869750000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 230 V UC, |
| GTIN (EAN) | 4032248606368              | Plug-in connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 4 110VUC VAR         | Version  |
| Order No.  | <a href="#">8869730000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 110 V UC, |
| GTIN (EAN) | 4032248606351              | Plug-in connection   |
| Qty.       | 10 pc(s).                  |  |

**Crosshead screwdriver Pozidriv**

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDK PZ1 X 80               | Version   |
| Order No.  | <a href="#">2749440000</a> | Screwdriver, Blade width (B): 80 mm, Blade thickness (A): |
| GTIN (EAN) | 4050118895667              |   |
| Qty.       | 1 pc(s).                   |   |

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## Accessories

## 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.  | <a href="#">2558330000</a> | ESG, Device markers x 26 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569049              |   |
| Qty.       | 80 pc(s).                  |   |

## 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 6/24VUC GN         | Version  |
| Order No.  | <a href="#">8869640000</a> | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection  |
| GTIN (EAN) | 4032248614585              |  |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 24/60VUC GN        | Version  |
| Order No.  | <a href="#">8869620000</a> | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248614561              |  |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 24/60VUC           | Version  |
| Order No.  | <a href="#">8869610000</a> | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248614554              |  |
| Qty.       | 10 pc(s).                  |  |



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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | RIM-I 3 110/230VUC GN      | Version  |
| Order No.  | <a href="#">8869660000</a> | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC,      |
| GTIN (EAN) | 4032248614721              | Plug-in connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 6/24VUC            | Version  |
| Order No.  | <a href="#">8869630000</a> | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in |
| GTIN (EAN) | 4032248614578              | connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 110/230VUC         | Version  |
| Order No.  | <a href="#">8869650000</a> | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC,      |
| GTIN (EAN) | 4032248614592              | Plug-in connection   |
| Qty.       | 10 pc(s).                  |  |

## Crosshead screwdriver Pozidriv



VDE insulated crosshead screwdriver type Pozidriv SDIK  
PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ,  
SoftFinish grip

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDIK PZ1 X 80              | Version   |
| Order No.  | <a href="#">2749920000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897227              |   |
| Qty.       | 1 pc(s).                   |   |

## 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.  | <a href="#">8869670000</a> | 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.  | <a href="#">8869590000</a> | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614530              | voltage: 6...24 V DC, Plug-in connection                    |
| Qty.       | 10 pc(s).                  |   |

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Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | RIM-I 2 110/230VDC GN      | Version   |
| Order No.  | <a href="#">8869700000</a> | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614639              | voltage: 110...230 V DC, Plug-in connection                 |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 2 24/60VDC GN        | Version   |
| Order No.  | <a href="#">8869680000</a> | 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 2 110/230VDC         | Version   |
| Order No.  | <a href="#">8869690000</a> | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614622              | voltage: 110...230 V DC, Plug-in connection                 |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 2 6/24VDC GN         | Version   |
| Order No.  | <a href="#">8869600000</a> | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614547              | voltage: 6...24 V DC, Plug-in connection                    |
| Qty.       | 10 pc(s).                  |   |

## 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.  | <a href="#">1132080000</a> | RIDERSERIES RCM, Cross-connector |
| GTIN (EAN) | 4032248912193              |                                  |
| Qty.       | 10 pc(s).                  |                                  |