

RIDERSERIES

Universal industrial relays with international approval

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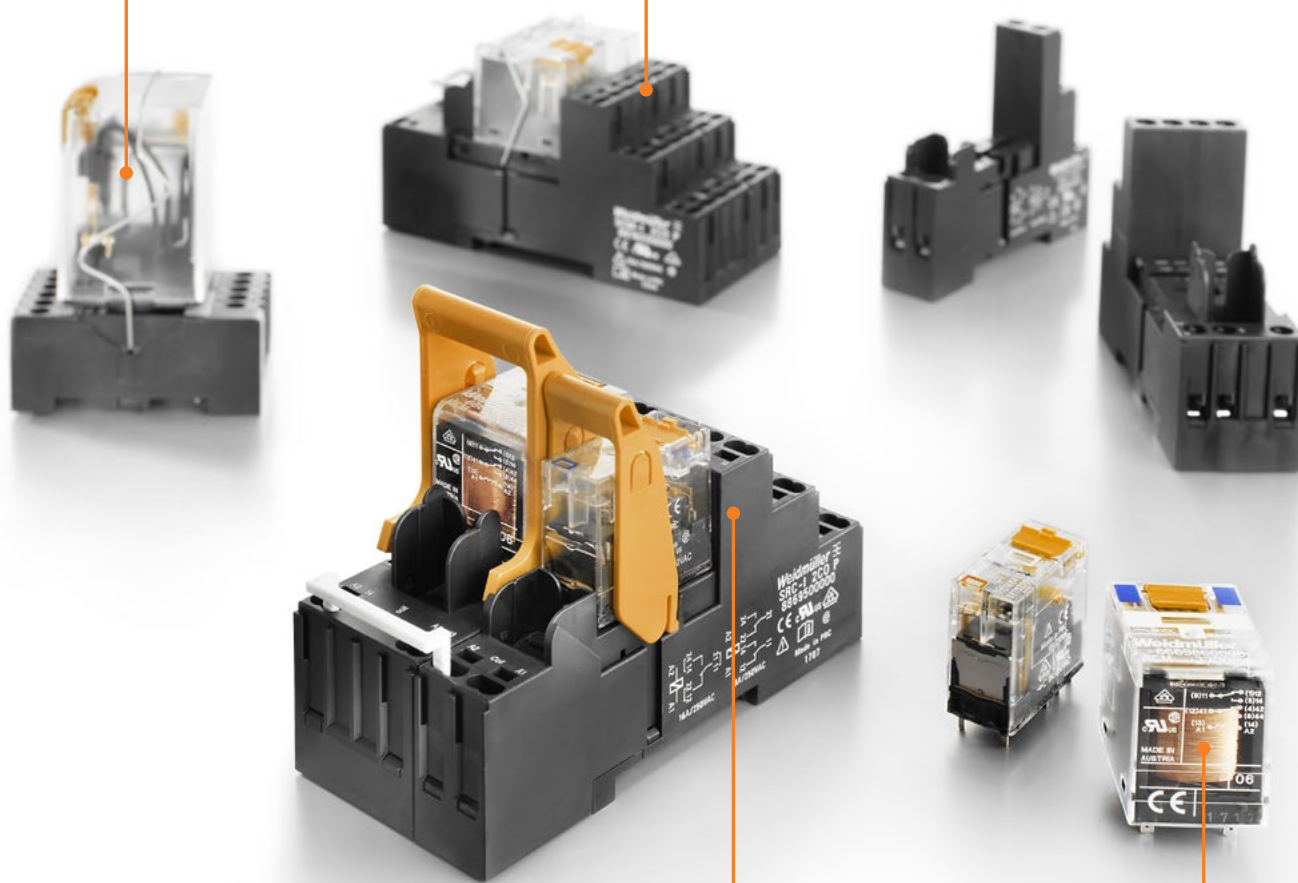
Relay modules from the RIDERSERIES are the right choice for the reliable separation of input and output signals in industrial automation. The high-quality and universally usable relays have been specially developed for industrial applications and offer many well-considered details. Conventional relays, for example, can be simply plugged in, with retaining clips ensuring secure mounting. The optional status LED plus test button make servicing easier. RIDERSERIES relay modules are divided into two product families. Both can be used in a wide range of industrial applications and have all the standard international approvals such as cURus, CSA, DNV GL and EAC.

Wide performance range

Suitable for control voltages from 12 V to 230 V, as well as for switching currents from 6 A to 16 A, and therefore suitable for a wide range of applications.

Wide range of variants

Available in versions with 1 to 4 CO contacts and with a PUSH IN connection system or screw connection. In addition, there are versions with built-in LED or test button as well as precisely fitting accessories from cross-connections to markers.

**Optional relay KITS**

Relay KITS consisting of relays with status indicator and sockets with retaining clip provide greater convenience. The KITS are delivered completely assembled as well as function and insulation-tested. This saves time and reduces the number of material numbers.

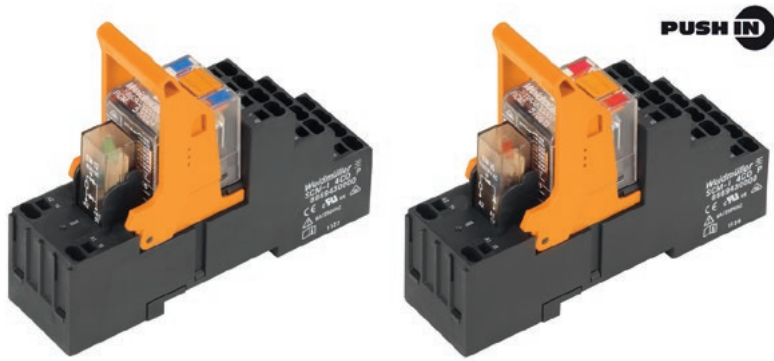
High quality

Tailored to industrial applications – the stable relay pins are compatible with industrial standard pinning.

For further information,
visit our website
www.weidmueller.com/rider

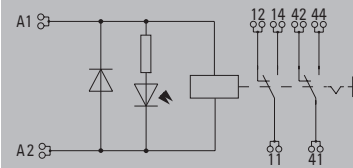
RCM KIT with PUSH IN connection
2 CO contacts AC/DC coil

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)

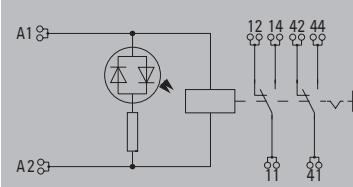


Circuit diagram

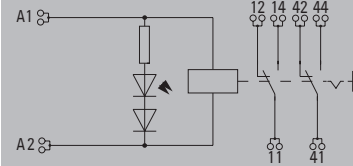
DC-Version



AC-Version



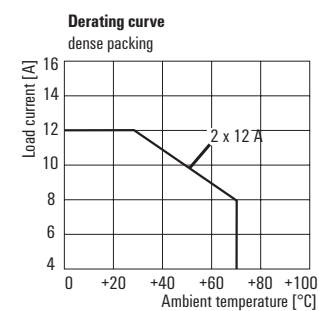
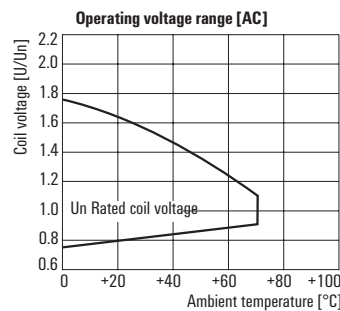
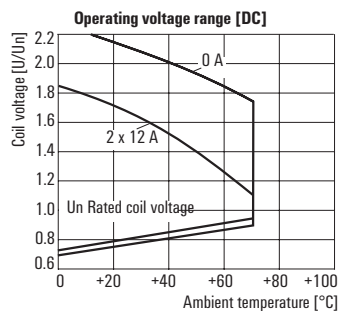
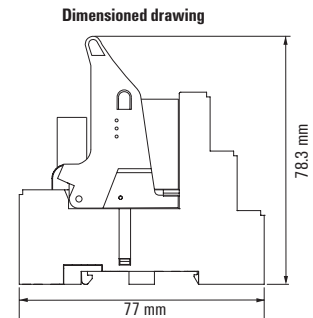
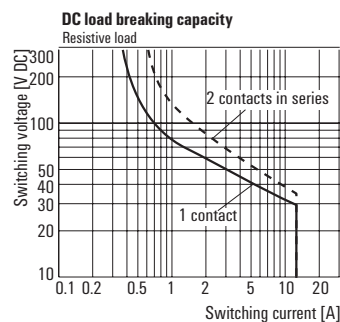
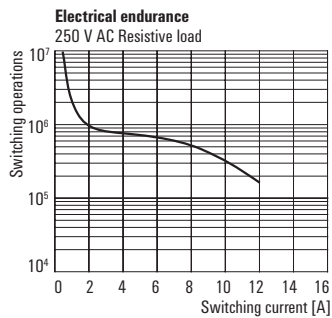
AC-Version 115 V AC / 230 V AC



Technical data

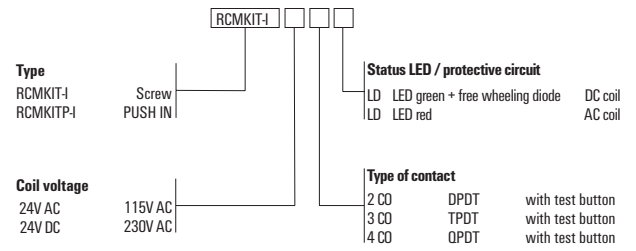
Load side	
Rated switching voltage / Continuous current	240 V AC / 12 A
Max. switching voltage, AC	400 V
Inrush current	24 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	2 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; DNVGL; EAC
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 1.5 / 0.75 / 1.5
Depth x width x height	mm 78.3 / 28 / 98
Note	
Further technical data can be found at catalog.weidmueller.com	

Applications



RCM KIT with PUSH IN connection

2 CO contacts AC/DC coil



Ordering data

Control side	24 V DC 2CO LED	24 V AC 2CO LED	115 V AC 2CO LED	230 V AC 2CO LED
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA /	8.8 mA /	4.3 mA /
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Free-wheeling diode			

Ordering data

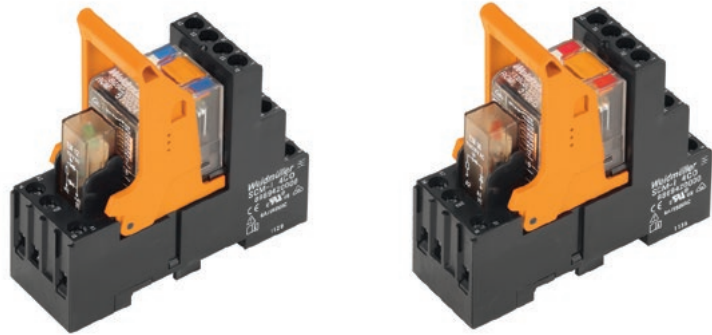
Relay with socket				
PUSH IN connection	Type	RCMKITP-I 24VDC 2CO LD	RCMKITP-I 24VAC 2CO LD	RCMKITP-I 115VAC 2CO LD
	Order No.	8921080000	8921090000	8921100000
	Type			
	Order No.			

Note				
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RCM KIT with screw connection

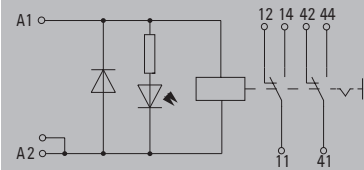
2 CO contacts, AC/ DC coil

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)

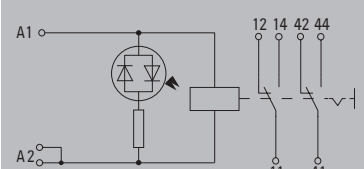


Circuit diagram

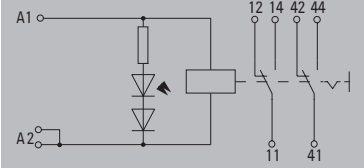
DC-Version



AC-Version



AC-Version 115 V AC / 230 V AC

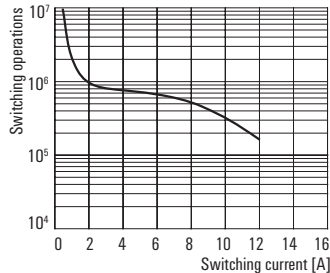


Technical data

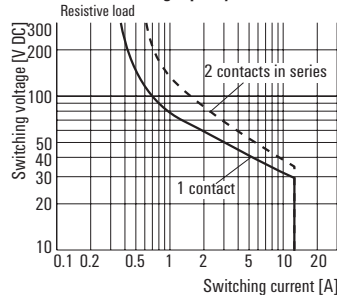
Load side	
Rated switching voltage / Continuous current	240 V AC / 12 A
Max. switching voltage, AC	400 V
Inrush current	24 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	2 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; DNVGL; EAC
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 1 / 2.5
Depth x width x height	mm 78.3 / 27.2 / 77
Note	Further technical data can be found at catalog.weidmueller.com

Applications

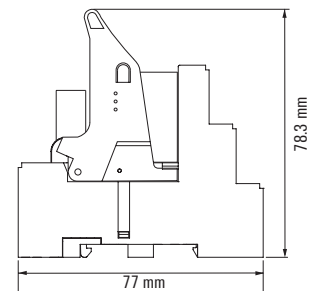
Electrical endurance 250 V AC Resistive load



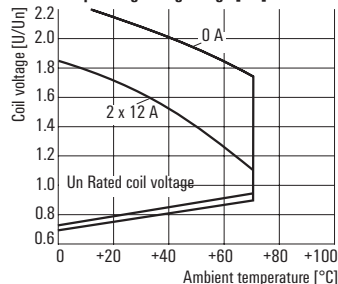
DC load breaking capacity Resistive load



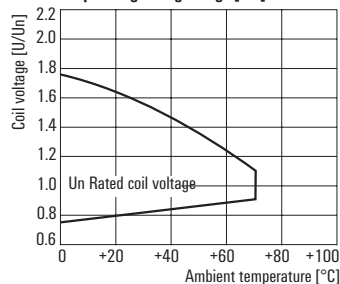
Dimensioned drawing



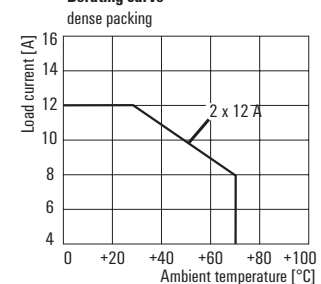
Operating voltage range [DC]



Operating voltage range [AC]

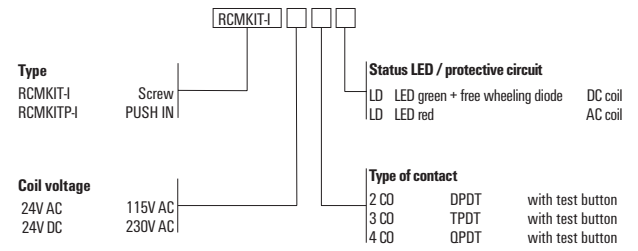


Derating curve dense packing



RCM KIT with screw connection

2 CO contacts, AC/ DC coil



Ordering data

Control side	24 V DC 2CO LED	24 V AC 2CO LED	115 V AC 2CO LED	230 V AC 2CO LED
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA /	8.8 mA /	4.3 mA /
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Free-wheeling diode			

Ordering data

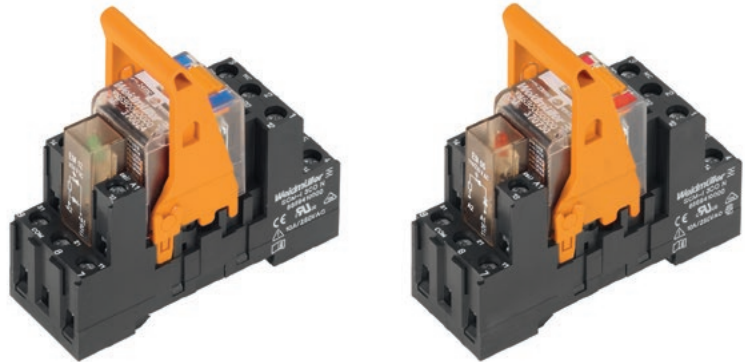
Relay with socket	RCMKIT-I 24VDC 2CO LD	RCMKIT-I 24VAC 2CO LD	RCMKIT-I 115VAC 2CO LD	RCMKIT-I 230VAC 2CO LD
Screw connection	Type	Type	Type	Type
	Order No.	Order No.	Order No.	Order No.
	Type	Type	Type	Type
	Order No.	Order No.	Order No.	Order No.

Note				
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RCM KIT with screw connection

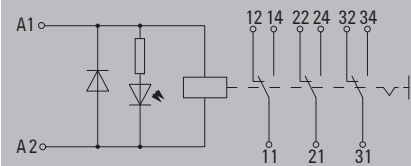
3 CO contacts, AC/ DC coil

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)

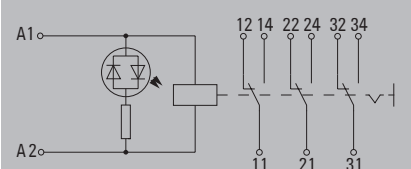


Circuit diagram

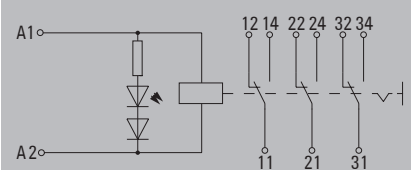
DC-Version



AC-Version



AC-Version 115 V AC / 230 V AC



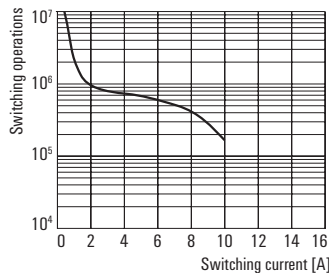
Technical data

Load side	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Inrush current	20 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	3 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; DNVGL; EAC
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 1 / 2.5
Depth x width x height	mm 71.6 / 27.2 / 73.5
Note	
Further technical data can be found at catalog.weidmueller.com	

Applications

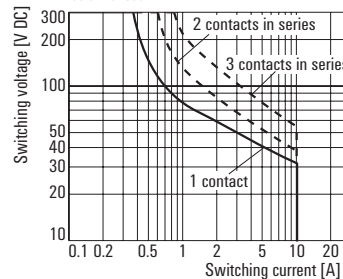
Electrical endurance

250 V AC Resistive load

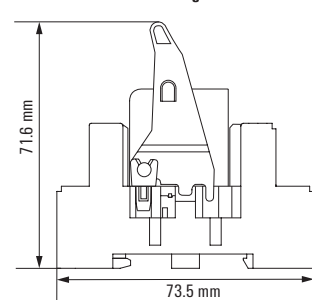


DC load breaking capacity

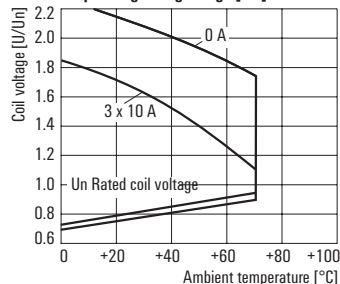
Resistive load



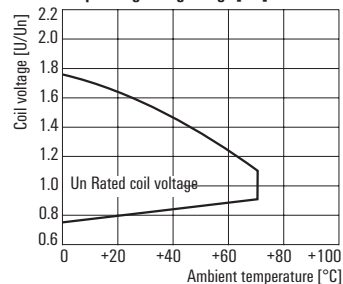
Dimensioned drawing



Operating voltage range [DC]

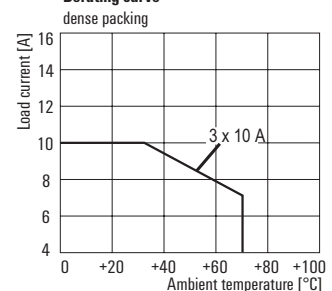


Operating voltage range [AC]



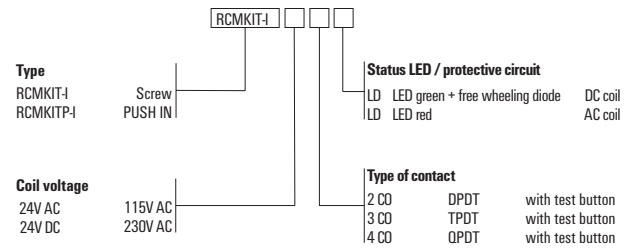
Derating curve

dense packing



RCM KIT with screw connection

3 CO contacts, AC/ DC coil



Ordering data

Control side	24 V DC 3CO LED	24 V AC 3CO LED	115 V AC 3CO LED	230 V AC 3CO LED
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA /	8.8 mA /	4.3 mA /
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Free-wheeling diode			

Ordering data

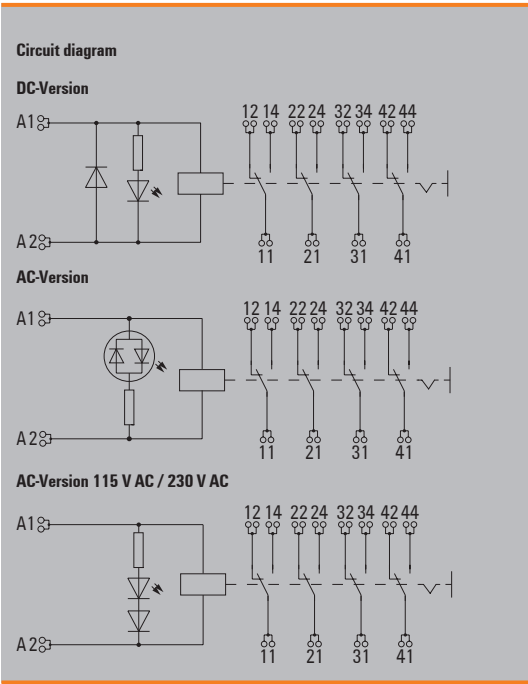
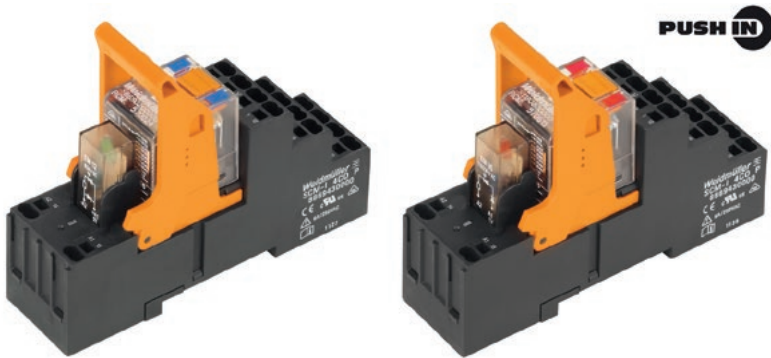
Relay with socket

Screw connection	Type	RCMKIT-I 24VDC 3CO LD	RCMKIT-I 24VAC 3CO LD	RCMKIT-I 115VAC 3CO LD	RCMKIT-I 230VAC 3CO LD
Order No.		8920980000	8920990000	8921010000	8921020000
Type					
Order No.					

Note					
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RCM KIT with PUSH IN connection
4 CO contacts AC/DC coil

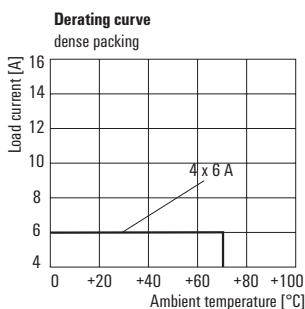
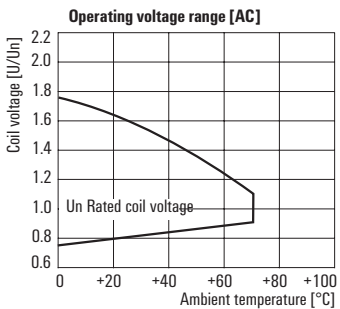
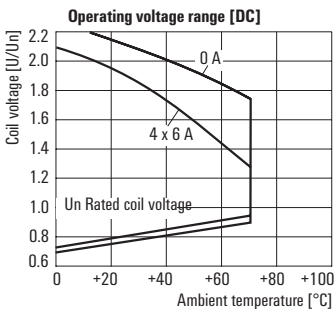
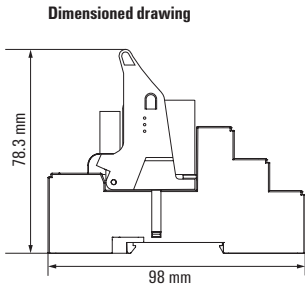
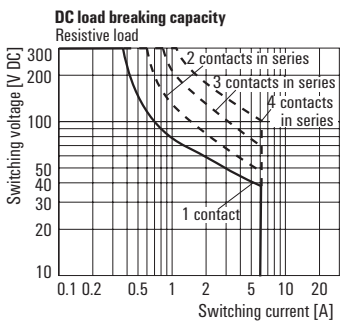
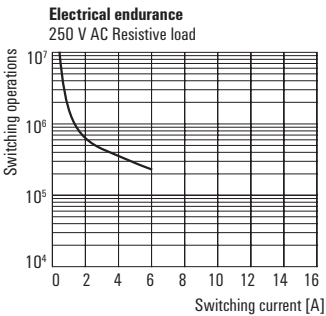
- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)



Technical data

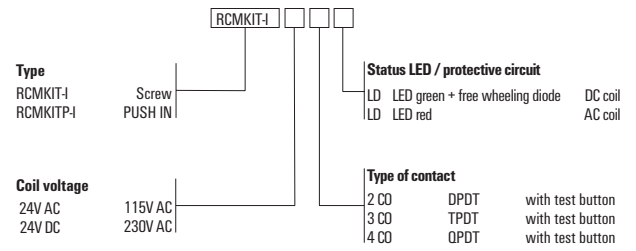
Load side	
Rated switching voltage / Continuous current	240 V AC / 6 A
Max. switching voltage, AC	240 V
Inrush current	12 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	4 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; DNVGL; EAC
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2 kV _{eff} / 1 min
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 1.5 / 0.75 / 1.5
Depth x width x height	mm 78.3 / 28 / 98
Note	
Further technical data can be found at catalog.weidmueller.com	

Applications



RCM KIT with PUSH IN connection

4 CO contacts AC/DC coil



Ordering data

Control side	24 V DC 4CO LED	24 V AC 4CO LED	115 V AC 4CO LED	230 V AC 4CO LED
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA /	8.8 mA /	4.3 mA /
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Free-wheeling diode			

Ordering data

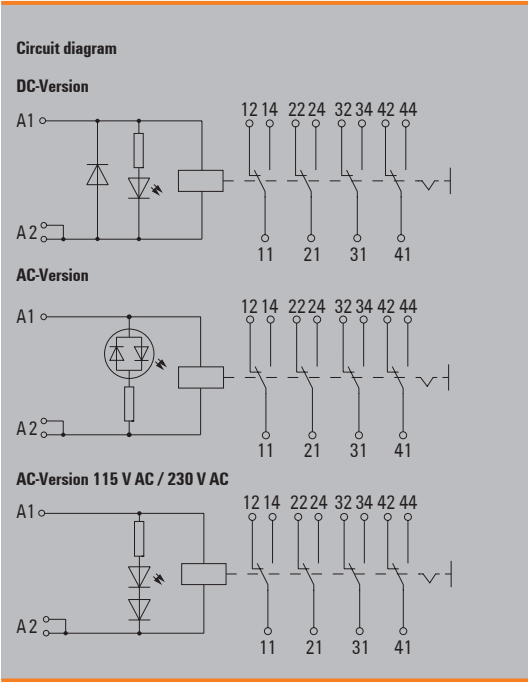
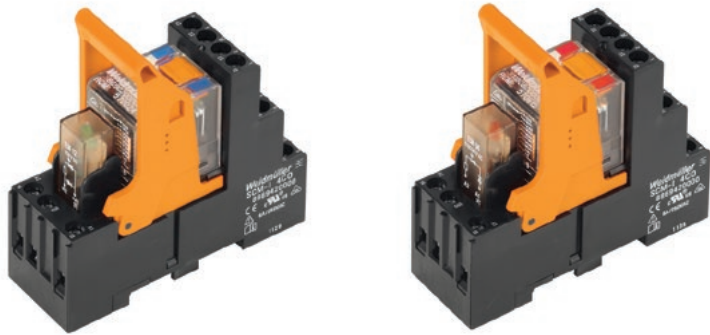
Relay with socket				
PUSH IN connection	Type	RCMKITP-I 24VDC 4CO LD	RCMKITP-I 24VAC 4CO LD	RCMKITP-I 115VAC 4CO LD
	Order No.	8921120000	8921130000	8921140000
	Type			
	Order No.			

Note				
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RCM KIT with screw connection

4 CO contacts, AC/ DC coil

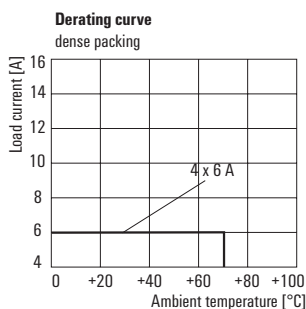
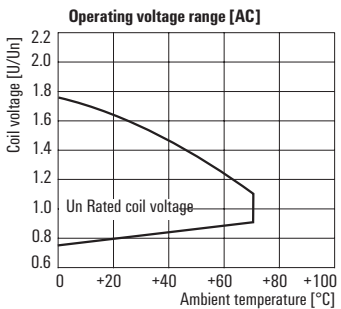
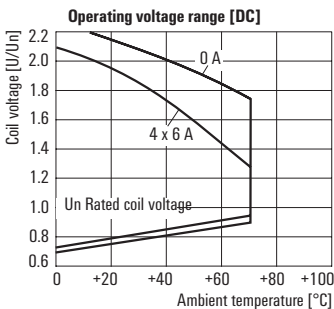
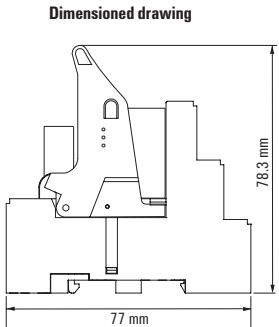
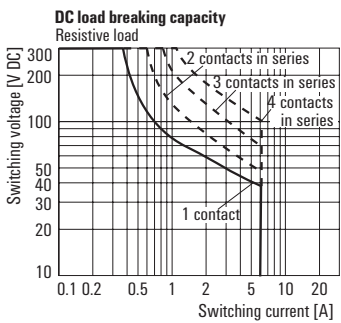
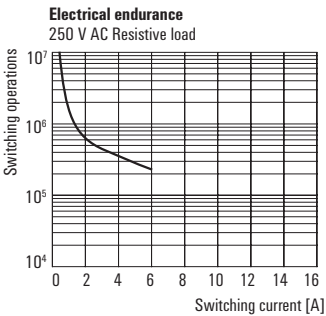
- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)



Technical data

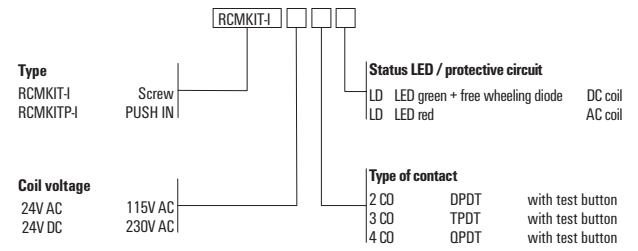
Load side	
Rated switching voltage / Continuous current	240 V AC / 6 A
Max. switching voltage, AC	240 V
Inrush current	12 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	4 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; DNVGL; EAC; POLSKIREJ
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2 kV _{eff} / 1 min
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 1 / 2.5
Depth x width x height	mm 78.3 / 27.2 / 77
Note	
Further technical data can be found at catalog.weidmueller.com	

Applications



RCM KIT with screw connection

4 CO contacts, AC/ DC coil



Ordering data

Control side	24 V DC 4CO LED	24 V AC 4CO LED	115 V AC 4CO LED	230 V AC 4CO LED
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA /	8.8 mA /	4.3 mA /
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Free-wheeling diode			

Ordering data

Relay with socket	RCMKIT-I 24VDC 4CO LD	RCMKIT-I 24VAC 4CO LD	RCMKIT-I 115VAC 4CO LD	RCMKIT-I 230VAC 4CO LD
Screw connection	Type	Type	Type	Type
	Order No.	Order No.	Order No.	Order No.
	8921030000	8921040000	8921050000	8921060000
	Type	Type	Type	Type
	Order No.	Order No.	Order No.	Order No.

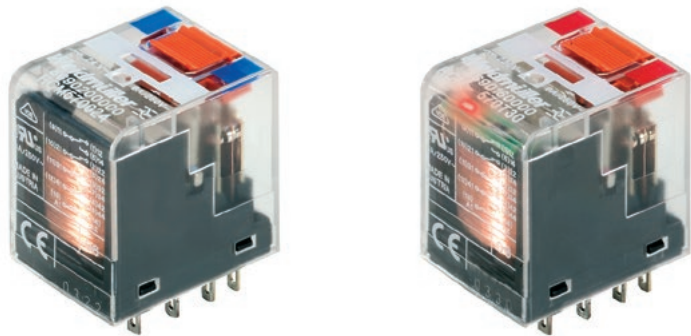
Note				
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RIDERSERIES – relay modules

RCM relay

2 CO contacts, AC/DC coil

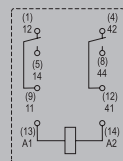
- Solid plug-in connections
- Latching / spring return operable test button and mechanical status indicator (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode
- Identification of coils (AC red / DC blue)



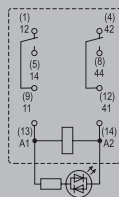
Circuit diagram

View on pins from below

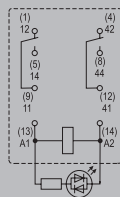
AC- and DC coil



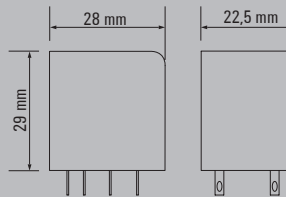
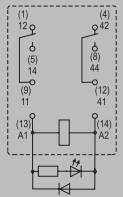
DC coil LED



AC coil LED



DC coil LED + diode

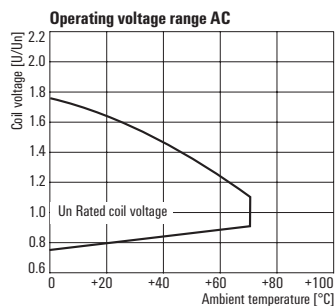
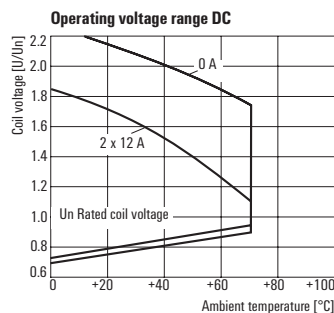
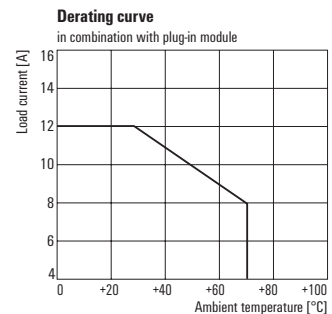
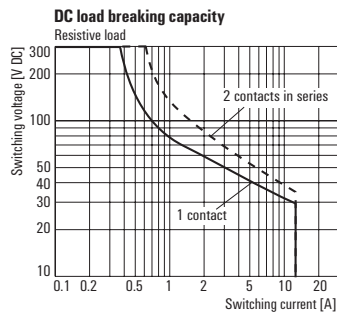
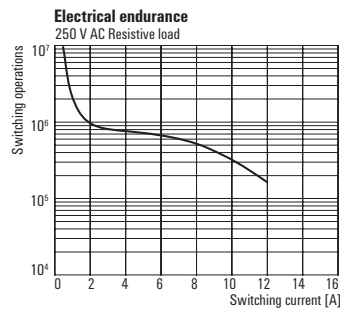


Technical data

Load side	
Rated switching voltage / Continuous current	240 V AC / 12 A
Max. switching voltage, AC	400 V
Inrush current	24 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	2 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; CSA; cURus; EAC; VDE
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2

Dimensions	Plug-in connection
Clamping range (nominal / min. / max.)	/ /
Depth x width x height	mm 29 / 22.5 / 28
Note	Further technical data can be found at catalog.weidmueller.com

Applications



[illegible]

Control side					
Rated control voltage		12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC		/ 62.5 mA	/ 31.3 mA	/ 15.6 mA	/ 6.8 mA
Power rating		750 mW	750 mW	750 mW	750 mW
Ordering data					
Without LED	Type	RCM270012	RCM270024	RCM270048	RCM270110
AgNi 90/10	Order No.	8689840000	8689860000	8689880000	8689900000
with LED	Type	RCM270L12	RCM270L24	RCM270L48	
AgNi 90/10	Order No.	8689850000	8689870000	8689890000	
with LED + free-wheeling diode	Type	RCM270AB2	RCM270AC4		
AgNi 90/10	Order No.	8957020000	8957030000		
	Type				
	Order No.				

Note					
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Rating data					
Control side					
Rated control voltage		24 V AC	48 V AC	115 V AC	230 V AC
Rated current AC / DC		41.6 mA /	21.3 mA /	8.8 mA /	4.3 mA /
Power rating		1.0 VA	1.0 VA	1.0 VA	1.0 VA
Ordering data					
Without LED	Type	RCM270524	RCM270548	RCM270615	RCM270730
AgNi 90/10	Order No.	8689760000	8689780000	8689800000	8689820000
with LED	Type	RCM270R24		RCM270S15	RCM270T30
AgNi 90/10	Order No.	8689770000		8689810000	8689830000
	Type				
	Order No.				
	Type				
	Order No.				

Note					
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RIDERSERIES – relay modules

Accessories for RCM relays, 2 CO contacts

- Tool-free unlocking of the terminal rail
- Wide assortment of functional modules

Technical data

Load side
Rated switching voltage
Max. switching voltage, AC
Continuous current
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordinates
Protection degree
Creepage and clearance distance input – output
Dielectric strength, Input/Output
Dielectric strength of neighbouring contacts
Impulse withstand voltage
Connection data
Clamping range (nominal / min. / max.)
Tightening torque
Stripping length, rated connection
Note

Ordering data

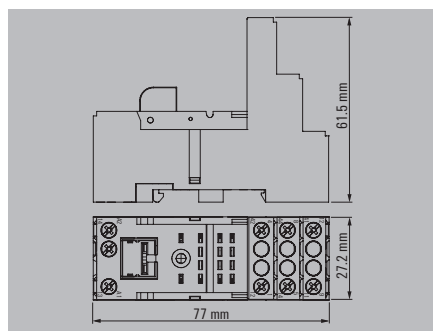
	Base, rail-mountable
Note	

Accessories

Cross-connector
Retaining clip
Plastic retaining clip
Metal retaining clip
Marking tags
Label, not PrintJet compatible, no MultiCard
white
LED module / protection modules
Free-wheeling diode 6 - 230 V DC
Load resistance 110 - 230 V UC
LED 6 - 24 V DC green and freewheeling diode
LED 24 - 60 V DC green and free-wheeling diode
LED 110 - 230 V DC green and free-wheeling diode
LED 6 - 24 V UC green
LED 24 - 60 V UC green
LED 110 - 230 V UC green
RC element 6 - 60 V UC; 470 Ω / 220 nF
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF
RC element 230 V UC; 1.1 kΩ / 200 nF
Protective varistor; S07K30
Protective varistor; S07K130
Protective varistor; S07K275
Screwdriver

Note

Standard version socket module with clamping yoke connection, 2 CO contacts



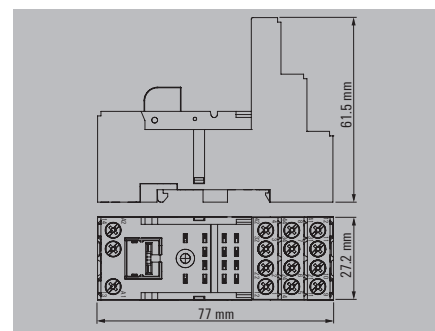
250 V AC
400 V
12 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2.5 kV _{eff} / 1 Min.
2.5 / 1 / 2.5 mm ²
0.5...0.7 Nm
8 mm
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-I 2CO	10	8869400000

Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP P	10	8869440000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

Standard version socket module with clamping yoke connection, 4 CO contacts



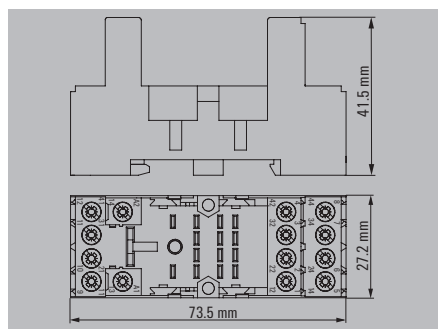
250 V AC
250 V
6 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2 kV _{eff} / 1 min
2.5 / 1 / 2.5 mm ²
0.5...0.7 Nm
8 mm
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-I 4CO	10	8869420000

Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP P	10	8869440000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

Low-height socket module with clamping yoke connection, 4 CO contacts



250 V AC

250 V

6 A

-40 °C...70 °C

-40 °C...70 °C

CE; CSA; cURus; VDE

IP20

≥ 4 mm

2.5 kV_{eff} / 1 Min.2 kV_{eff} / 1 min2.5 / 1 / 2.5 mm²

0.5...0.7 Nm

8 mm

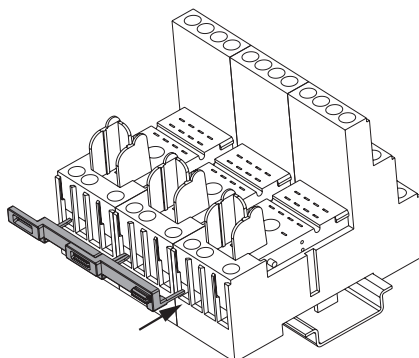
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-I 4CO N	10	8869390000

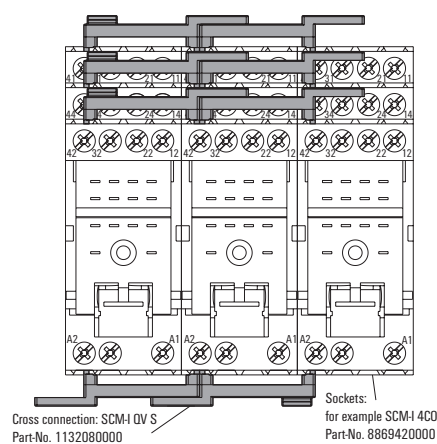
Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP N	10	8875620000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

Cross-connection 1132080000 installed in the same way as the plug-in module 8869420000:



Plug the cross connection into wire-connection opening and fix it with tighten the screw



RIDERSERIES – relay modules

Accessories for RCM relays, 2 CO contacts

- Tool-free unlocking of the terminal rail
- Wide assortment of functional modules

Technical data

Load side
Rated switching voltage
Max. switching voltage, AC
Continuous current
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordinates
Protection degree
Creepage and clearance distance input – output
Dielectric strength, Input/Output
Dielectric strength of neighbouring contacts
Impulse withstand voltage
Connection data
Clamping range (nominal / min. / max.)
Tightening torque
Stripping length, rated connection
Note

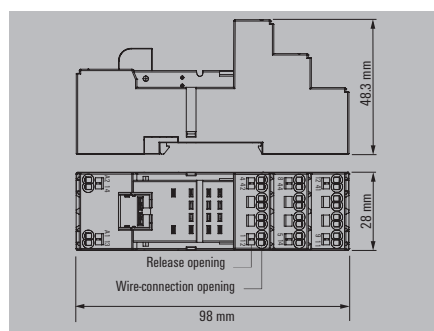
Ordering data

	Base, rail-mountable
Note	

Accessories

Retaining clip	Metal retaining clip Plastic retaining clip
Cross-connector	2-pole
Marking tags	Label, not PrintJet compatible, no MultiCard white
LED module / protection modules	Free-wheeling diode 6 - 230 V DC Load resistance 110 - 230 V UC LED 6 - 24 V DC green and freewheeling diode LED 24 - 60 V DC green and free-wheeling diode LED 110 - 230 V DC green and free-wheeling diode LED 6 - 24 V UC green LED 24 - 60 V UC green LED 110 - 230 V UC green RC element 6 - 60 V UC; 470 Ω / 220 nF RC element 110 - 230 V AC; 4.7 kΩ / 10 nF RC element 230 V UC; 1.1 kΩ / 200 nF Protective varistor; S07K130 Protective varistor; S07K275 Protective varistor; S07K30
Screwdriver	Standard

Note

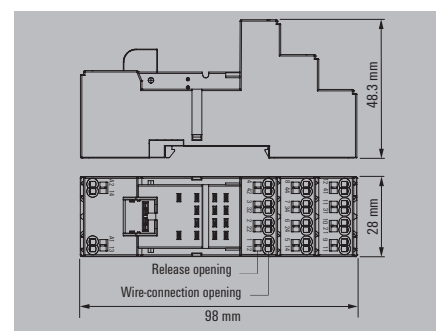
Socket module with
PUSH IN connection, 2 CO contacts

250 V AC
400 V
12 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2.5 kV _{eff} / 1 Min.
1.5 / 0.75 / 1.5 mm ²
...
12 mm
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-H 2CO P	10	8876220000

Type	Qty.	Order No.
SCM-H CLIP M	10	8869450000
SCM-H CLIP P	10	8869440000
SCM-H QV P	10	8870850000
SCM-H MARK	10	8869460000
ESG 9/26 SCM-H MC NE WS	80	2558330000
RIM-H 1 6/230V	10	8869580000
RIM-H 1 R 110/230V	10	8870830000
RIM-H 2 6/24VDC GN	10	8869600000
RIM-H 2 24/60VDC GN	10	8869680000
RIM-H 2 110/230VDC GN	10	8869700000
RIM-H 3 6/24VUC GN	10	8869640000
RIM-H 3 24/60VUC GN	10	8869620000
RIM-H 3 110/230VUC GN	10	8869660000
RIM-H 3 6/60VAC RC	10	8869770000
RIM-H 3 110/230VAC RC	10	8869790000
RIM-H 3 230VAC RC	10	1172210000
RIM-H 4 110VUC VAR	10	8869730000
RIM-H 4 230VUC VAR	10	8869750000
RIM-H 4 24VUC VAR	10	8869710000
SDIS SL 0.6X3.5X100	1	1274660000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

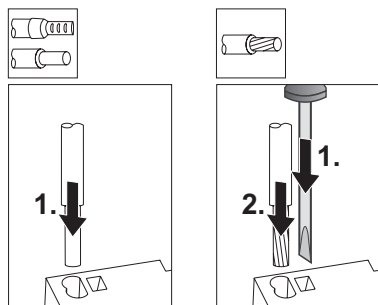
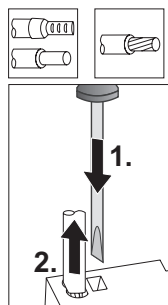
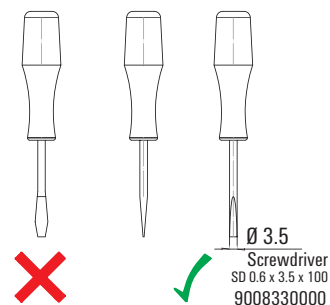
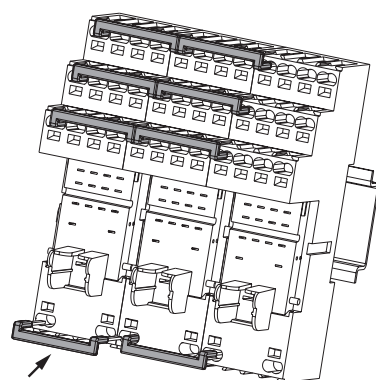
Socket module with
PUSH IN connection, 4 CO contacts

250 V AC
250 V
6 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2 kV _{eff} / 1 min
1.5 / 0.75 / 1.5 mm ²
...
12 mm
Further technical data can be found at catalog.weidmueller.com

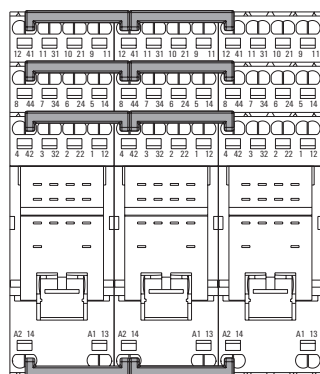
Type	Qty.	Order No.
SCM-H 4CO P	10	8869430000

Type	Qty.	Order No.
SCM-H CLIP M	10	8869450000
SCM-H CLIP P	10	8869440000
SCM-H QV P	10	8870850000
SCM-H MARK	10	8869460000
ESG 9/26 SCM-H MC NE WS	80	2558330000
RIM-H 1 6/230V	10	8869580000
RIM-H 1 R 110/230V	10	8870830000
RIM-H 2 6/24VDC GN	10	8869600000
RIM-H 2 24/60VDC GN	10	8869680000
RIM-H 2 110/230VDC GN	10	8869700000
RIM-H 3 6/24VUC GN	10	8869640000
RIM-H 3 24/60VUC GN	10	8869620000
RIM-H 3 110/230VUC GN	10	8869660000
RIM-H 3 6/60VAC RC	10	8869770000
RIM-H 3 110/230VAC RC	10	8869790000
RIM-H 3 230VAC RC	10	1172210000
RIM-H 4 110VUC VAR	10	8869730000
RIM-H 4 230VUC VAR	10	8869750000
RIM-H 4 24VUC VAR	10	8869710000
SDIS SL 0.6X3.5X100	1	1274660000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

PUSH IN connection operation**Insert connector****Remove connector****Recommended screwdriver****Installation of the cross-connection**

Plug cross connection direct
into wire-connection opening



Cross connection:
SCM-I QV P
Part-No. 8870850000

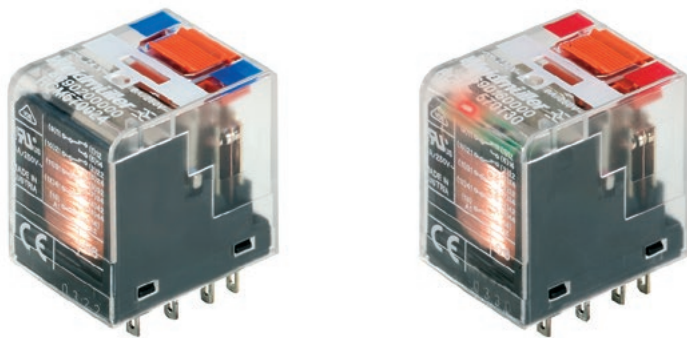
Sockets:
SCM-I xCO P

If more than 2 poles are connected with stacked cross-connection ridges, then the bottom ridges must be stripped to the appropriate length and shortened for correct fitting.

RCM relay

3 CO contacts, AC/DC coil

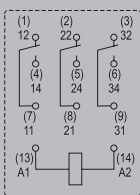
- Solid plug-in connections
- Latching / spring return operable test button and mechanical status indicator (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode
- Identification of coils (AC red / DC blue)



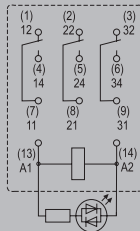
Circuit diagram

View on pins from below

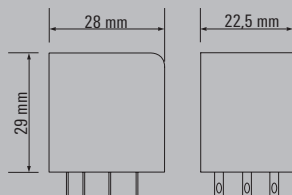
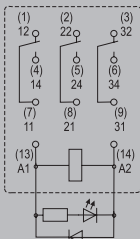
AC and DC coil



AC coil LED



DC coil LED + diode

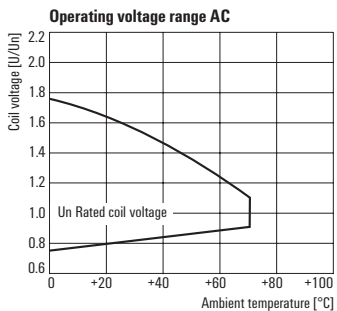
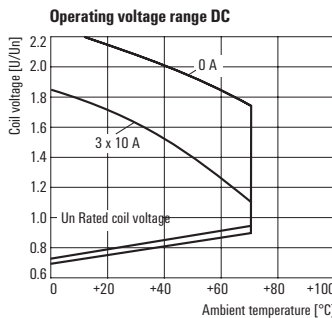
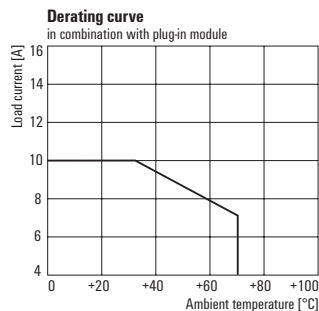
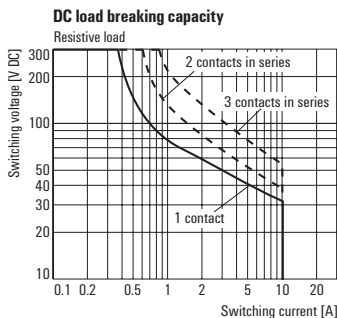
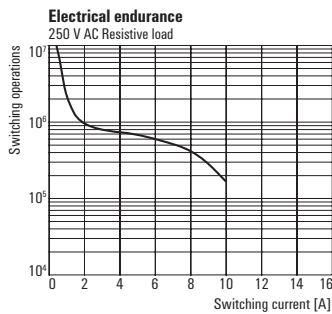


Technical data

Load side	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Inrush current	20 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	3 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; CSA; cURus; EAC; VDE
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2

Dimensions	Plug-in connection
Clamping range (nominal / min. / max.)	/ /
Depth x width x height	mm 29 / 22.5 / 28
Note	Further technical data can be found at catalog.weidmueller.com

Applications



[illegible]

Control side					
Rated control voltage		12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC		/ 62.5 mA	/ 31.3 mA	/ 15.6 mA	/ 6.8 mA
Power rating		750 mW	750 mW	750 mW	750 mW
Ordering data					
Without LED	Type	RCM370012	RCM370024	RCM370048	RCM370110
AgNi 90/10	Order No.	8690020000	8690040000	8690060000	8690080000
with LED + free-wheeling diode	Type	RCM370AB2	RCM370AC4		RCM370BB0
AgNi 90/10	Order No.	8957090000	8957100000		8957120000
	Type				
	Order No.				
	Type				
	Order No.				

Ordering data		24 V AC 3C0	48 V AC 3C0	115 V AC 3C0	230 V AC 3C0
Control side					
Rated control voltage		24 V AC	48 V AC	115 V AC	230 V AC
Rated current AC / DC		41.6 mA /	21.3 mA /	8.8 mA /	4.3 mA /
Power rating		1.0 VA	1.0 VA	1.0 VA	1.0 VA
Ordering data					
Without LED	Type	RCM370524		RCM370615	RCM370730
AgNi 90/10	Order No.	8690030000		8689980000	8690000000
with LED	Type	RCM370R24	RCM370R48	RCM370S15	RCM370T30
AgNi 90/10	Order No.	8689950000	8689970000	8689990000	8690010000
	Type				
	Order No.				
	Type				
	Order No.				

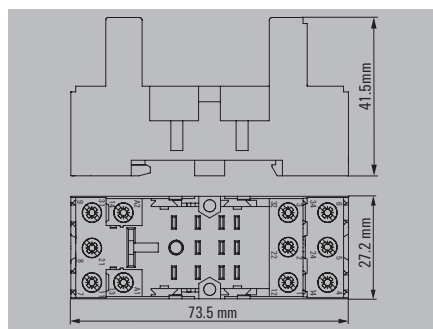
Note					
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RIDERSERIES – relay modules

Accessories for RCM relays, 3 CO contacts

- Tool-free unlocking of the terminal rail
- Wide assortment of functional modules

Low-height socket module with clamping yoke connection, 3 CO contacts



Technical data

Load side

Rated switching voltage
Max. switching voltage, AC
Continuous current

General data

Ambient temperature (operational)
Storage temperature
Approvals

Insulation coordinates

Protection degree
Creepage and clearance distance input – output
Dielectric strength, Input/Output
Dielectric strength of neighbouring contacts
Impulse withstand voltage

Connection data

Clamping range (nominal / min. / max.)
Tightening torque
Stripping length, rated connection

Note

250 V AC

400 V

10 A

-40 °C...70 °C

-40 °C...70 °C

CE; CSA; cURus; VDE

IP20

≥ 4 mm

2.5 kV_{eff} / 1 Min.2.5 kV_{eff} / 1 Min.2.5 / 1 / 2.5 mm²

0.5...0.7 Nm

8 mm

Further technical data can be found at catalog.weidmueller.com

Ordering data

Base, rail-mountable

Note

Accessories

Cross-connector

Retaining clip

Metal retaining clip
Plastic retaining clip

Marking tags

Label, not PrintJet compatible, no MultiCard
white

LED module / protection modules

Free-wheeling diode 6 - 230 V DC
Load resistance 110 - 230 V UC
LED 6 - 24 V DC green and freewheeling diode
LED 24 - 60 V DC green and free-wheeling diode
LED 110 - 230 V DC green and free-wheeling diode
LED 6 - 24 V UC green
LED 24 - 60 V UC green
LED 110 - 230 V UC green
RC element 6 - 60 V UC; 470 Ω / 220 nF
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF
RC element 230 V UC; 1.1 kΩ / 200 nF
Protective varistor; S07K30
Protective varistor; S07K130
Protective varistor; S07K275

Screwdriver

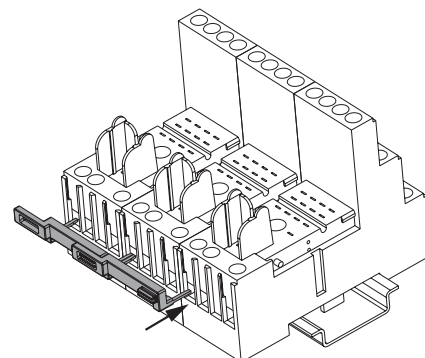
Note

Type	Qty.	Order No.
SCM-I 3CO N	10	8869410000

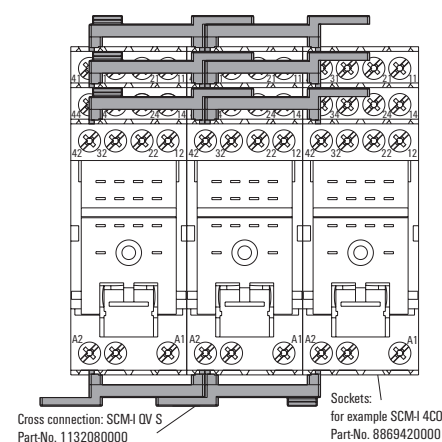
Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP M	10	8869450000
SCM-I CLIP N	10	8875620000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

Cross-connection 1132080000 installed in the same way as the plug-in module 8869420000:



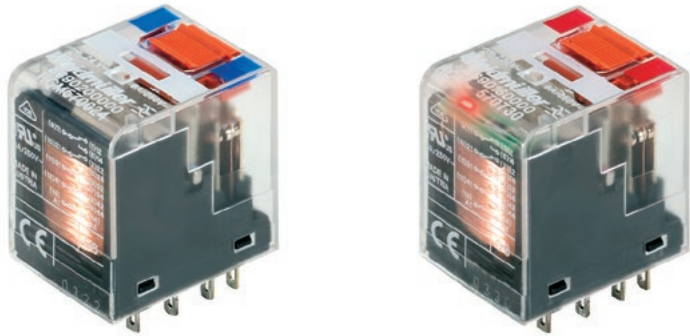
Plug the cross connection into wire-connection opening and fix it with tighten the screw



RCM relay

4 CO contacts, AC/DC coil

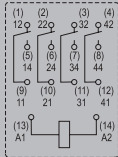
- Solid plug-in connections
- Latching / spring return operable test button and mechanical status indicator (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode
- Identification of coils (AC red / DC blue)



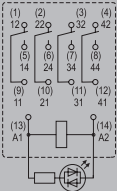
Circuit diagram

View on pins from below

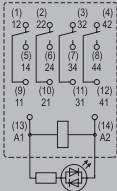
AC and DC coil



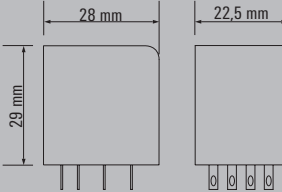
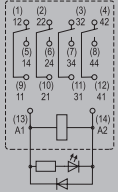
DC coil LED



AC coil LED



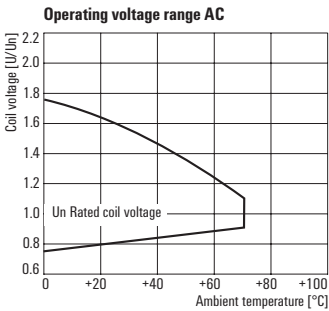
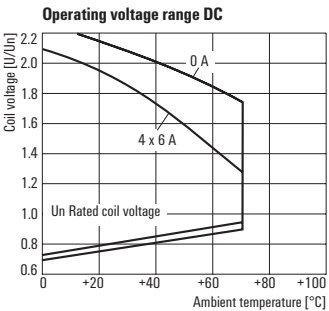
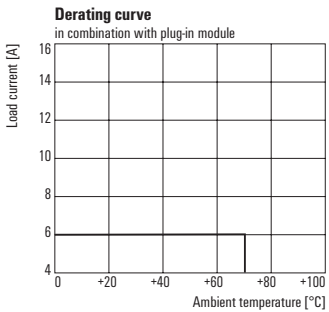
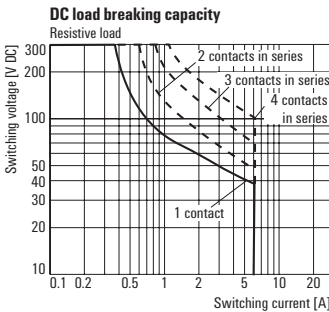
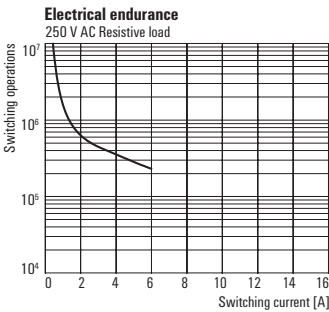
DC coil LED + diode



Technical data

Load side	
Rated switching voltage / Continuous current	240 V AC / 6 A
Max. switching voltage, AC	240 V
Inrush current	12 A / 20 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Contact type	4 CO contact with test button (AgNi 90/10)
Mechanical service life	AC coil 20 x 10 ⁶ switch. cycles, DC coil 30 x 10 ⁶ switch. cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; CSA; cURus; EAC; VDE
Insulation coordinates	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2 kV _{eff} / 1 min
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
Clamping range (nominal / min. / max.)	/ /
Depth x width x height	mm 29 / 22.5 / 28
Note	
Further technical data can be found at catalog.weidmueller.com	

Applications



[illegible]

Control side					
Rated control voltage		12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC		/ 62.5 mA	/ 31.3 mA	/ 15.6 mA	/ 6.8 mA
Power rating		750 mW	750 mW	750 mW	750 mW
Ordering data					
Without LED	Type	RCM570012	RCM570024	RCM570048	RCM570110
AgNi 90/10	Order No.	8054360000	8690200000	8074670000	8074700000
with LED	Type	RCM570L12	RCM570L24	RCM570L48	RCM570M10
AgNi 90/10	Order No.	8690180000	8690220000	8690230000	8690240000
Without LED	Type	RCM580012	RCM580024	RCM580048	
AgNi 5µm Au	Order No.	on request	8694460000	on request	
with LED + free-wheeling diode	Type	RCM570AB2	RCM570AC4	RCM570AE8	RCM570BB0
AgNi 90/10	Order No.	8957160000	8957170000	8957180000	8957190000

Note					

Control side					
Rated control voltage		24 V AC	48 V AC	115 V AC	230 V AC
Rated current AC / DC		41.6 mA /	21.3 mA /	8.8 mA /	4.3 mA /
Power rating		1.0 VA	1.0 VA	1.0 VA	1.0 VA
Ordering data					
Without LED	Type	RCM570524	RCM570548	RCM570615	RCM570730
AgNi 90/10	Order No.	8690110000	1180900000	1180800000	1181100000
with LED	Type	RCM570R24	RCM570R48	RCM570S15	RCM570T30
AgNi 90/10	Order No.	8690120000	8690130000	8690150000	8690160000
	Type			RCM580615	RCM580730
	Order No.			8824860000	7940007637
	Type				
	Order No.				

Note					
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RIDERSERIES – relay modules

Accessories for RCM relays, 4 CO contacts

- Tool-free unlocking of the terminal rail
- Wide assortment of functional modules

Technical data

Load side
Rated switching voltage
Max. switching voltage, AC
Continuous current
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordinates
Protection degree
Creepage and clearance distance input – output
Dielectric strength, Input/Output
Dielectric strength of neighbouring contacts
Impulse withstand voltage
Connection data
Clamping range (nominal / min. / max.)
Tightening torque
Stripping length, rated connection
Note

Ordering data

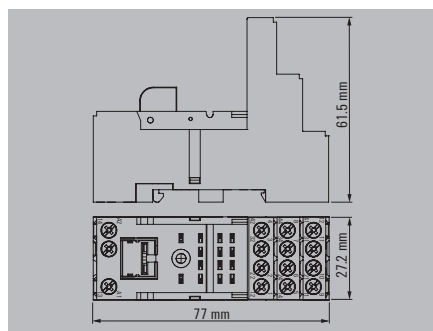
	Base, rail-mountable
Note	

Accessories

Cross-connector
Retaining clip
Plastic retaining clip
Metal retaining clip
Marking tags
Label, not PrintJet compatible, no MultiCard
white
LED module / protection modules
Free-wheeling diode 6 - 230 V DC
Load resistance 110 - 230 V UC
LED 6 - 24 V DC green and freewheeling diode
LED 24 - 60 V DC green and free-wheeling diode
LED 110 - 230 V DC green and free-wheeling diode
LED 6 - 24 V UC green
LED 24 - 60 V UC green
LED 110 - 230 V UC green
RC element 6 - 60 V UC; 470 Ω / 220 nF
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF
RC element 230 V UC; 1.1 kΩ / 200 nF
Protective varistor; S07K30
Protective varistor; S07K130
Protective varistor; S07K275
Screwdriver

Note

Standard version socket module with clamping yoke connection, 4 CO contacts



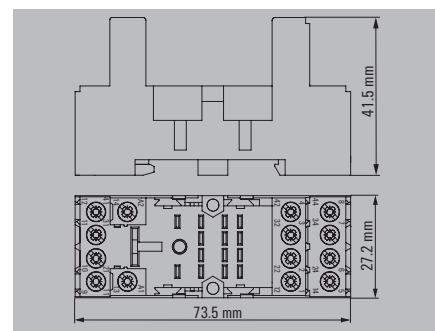
250 V AC
250 V
6 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2 kV _{eff} / 1 min
2.5 / 1 / 2.5 mm ²
0.5...0.7 Nm
8 mm
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-I 4CO	10	8869420000

Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP P	10	8869440000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com
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Low-height socket module with clamping yoke connection, 4 CO contacts



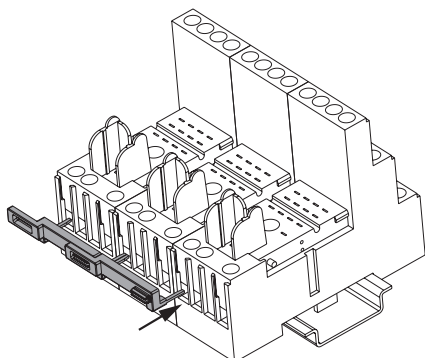
250 V AC
250 V
6 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2 kV _{eff} / 1 min
2.5 / 1 / 2.5 mm ²
0.5...0.7 Nm
8 mm
Further technical data can be found at catalog.weidmueller.com

Type	Qty.	Order No.
SCM-I 4CO N	10	8869390000

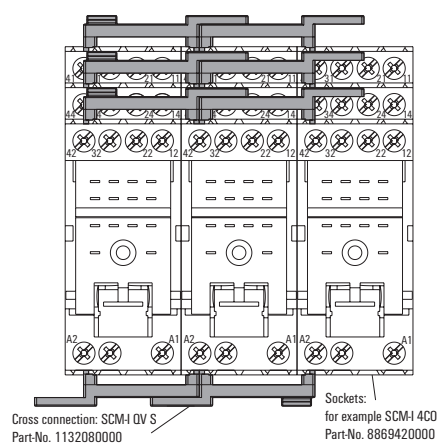
Type	Qty.	Order No.
SCM-I QV S	10	1132080000
SCM-I CLIP N	10	8875620000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/26 SCM-I MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 24VUC VAR	10	8869710000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
SDIK PZ1 SL	1	1274730000
SDIK PZ1	1	9008900000
SDK PZ1	1	9008530000

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com
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Cross-connection 1132080000 installed in the same way as the plug-in module 8869420000:



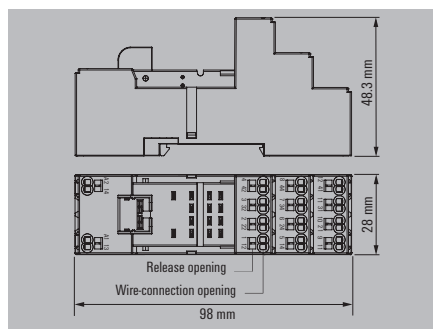
Plug the cross connection into wire-connection opening and fix it with tighten the screw



RIDERSERIES – relay modules

Accessories for RCM relays, 4 CO contacts

- Tool-free unlocking of the terminal rail
- Wide assortment of functional modules

Socket module with
PUSH IN connection, 4 CO contacts

Technical data

Load side
Rated switching voltage
Max. switching voltage, AC
Continuous current
General data
Ambient temperature (operational)
Storage temperature
Approvals
Insulation coordinates
Protection degree
Creepage and clearance distance input – output
Dielectric strength, Input/Output
Dielectric strength of neighbouring contacts
Impulse withstand voltage
Connection data
Clamping range (nominal / min. / max.)
Tightening torque
Stripping length, rated connection
Note

250 V AC
250 V
6 A
-40 °C...70 °C
-40 °C...70 °C
CE; CSA; cURus; VDE
IP20
≥ 4 mm
2.5 kV _{eff} / 1 Min.
2 kV _{eff} / 1 min
1.5 / 0.75 / 1.5 mm ²
...
12 mm
Further technical data can be found at catalog.weidmueller.com

Ordering data

Base, rail-mountable
Note

Type	Qty.	Order No.
SCM-H 4CO P	10	8869430000

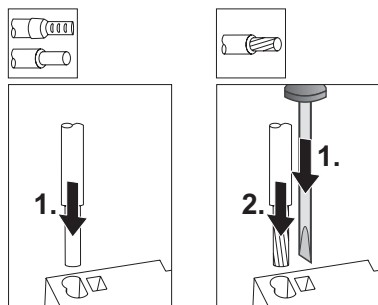
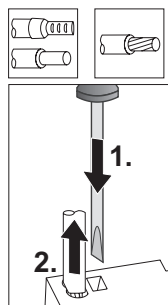
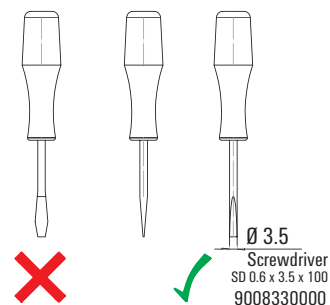
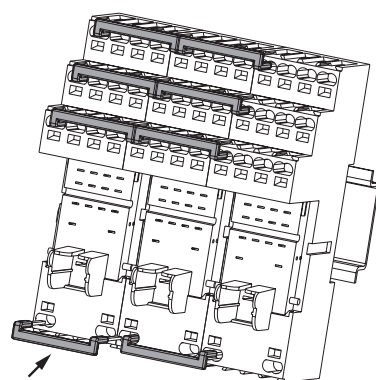
Accessories

Retaining clip
Plastic retaining clip
Metal retaining clip
Cross-connector
2-pole
Marking tags
Label, not PrintJet compatible, no MultiCard
white
LED module / protection modules
Free-wheeling diode 6 - 230 V DC
Load resistance 110 - 230 V UC
LED 6 - 24 V DC green and freewheeling diode
LED 24 - 60 V DC green and free-wheeling diode
LED 110 - 230 V DC green and free-wheeling diode
LED 6 - 24 V UC green
LED 24 - 60 V UC green
LED 110 - 230 V UC green
RC element 6 - 60 V UC; 470 Ω / 220 nF
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF
RC element 230 V UC; 1.1 kΩ / 200 nF
Protective varistor; S07K130
Protective varistor; S07K275
Protective varistor; S07K30
Screwdriver
Standard

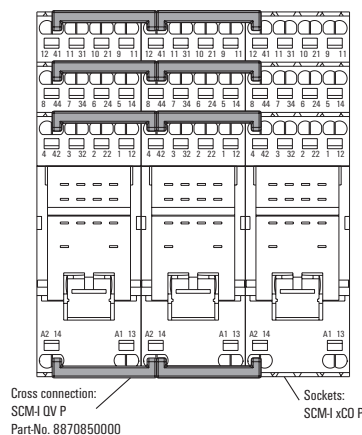
Type	Qty.	Order No.
SCM-H CLIP P	10	8869440000
SCM-H CLIP M	10	8869450000
SCM-H QV P	10	8870850000
SCM-H MARK	10	8869460000
ESG 9/26 SCM-H MC NE WS	80	2558330000
RIM-I 1 6/230V	10	8869580000
RIM-I 1 R 110/230V	10	8870830000
RIM-I 2 6/24VDC GN	10	8869600000
RIM-I 2 24/60VDC GN	10	8869680000
RIM-I 2 110/230VDC GN	10	8869700000
RIM-I 3 6/24VUC GN	10	8869640000
RIM-I 3 24/60VUC GN	10	8869620000
RIM-I 3 110/230VUC GN	10	8869660000
RIM-I 3 6/60VAC RC	10	8869770000
RIM-I 3 110/230VAC RC	10	8869790000
RIM-I 3 230VAC RC	10	1172210000
RIM-I 4 110VUC VAR	10	8869730000
RIM-I 4 230VUC VAR	10	8869750000
RIM-I 4 24VUC VAR	10	8869710000
SDIS SL 0.6X3.5X100	1	1274660000

Note

Article numbers for LED modules with red LED are to be found at catalog.weidmueller.com

PUSH IN connection operation**Insert connector****Remove connector****Recommended screwdriver****Installation of the cross-connection**

Plug cross connection direct
into wire-connection opening



If more than 2 poles are connected with stacked cross-connection ridges, then the bottom ridges must be stripped to the appropriate length and shortened for correct fitting.