

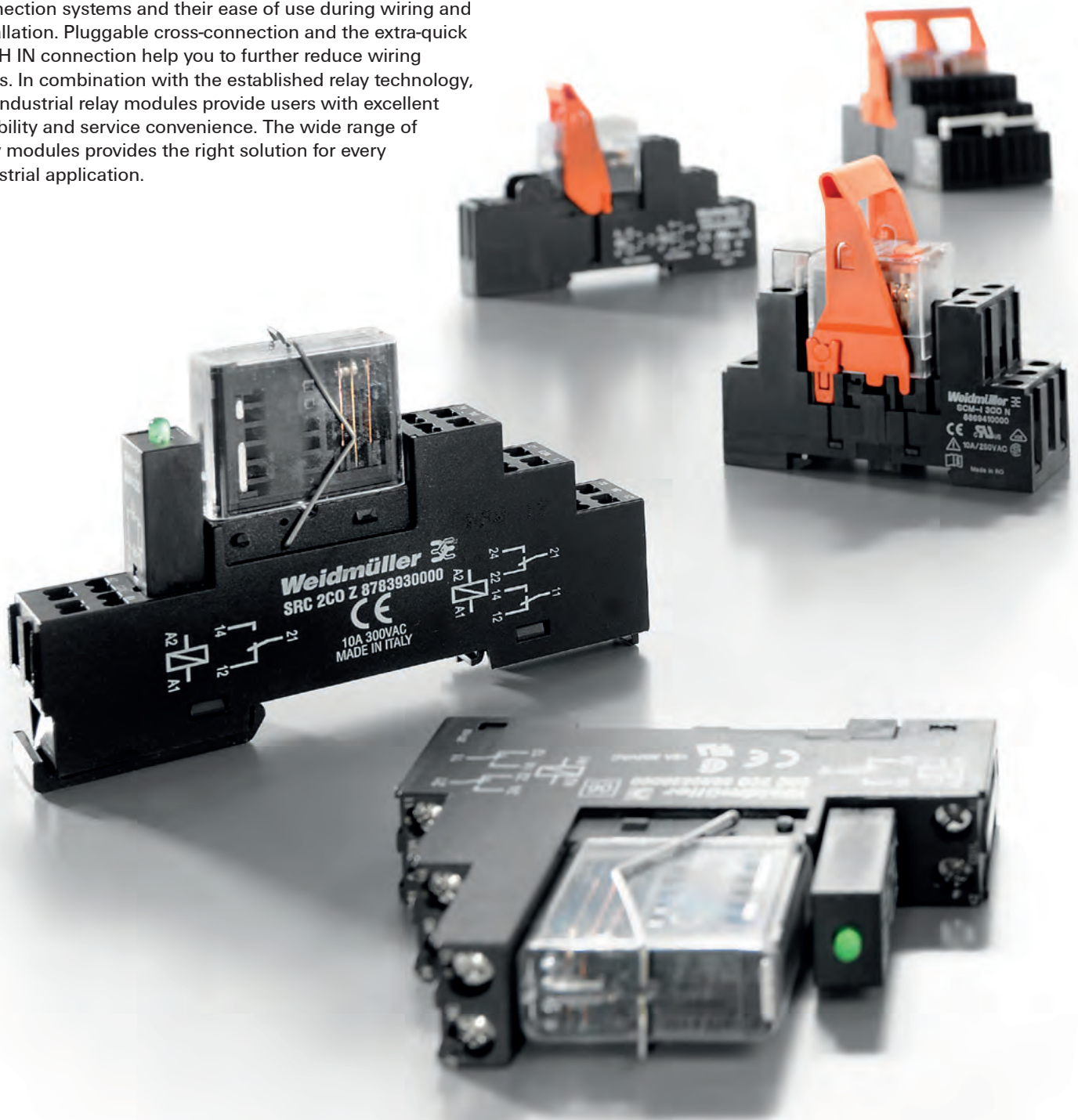
Industrial relay modules

Industrial relay modules	Industrial relay modules - Overview	B.2
	RIDERSERIES - Overview	B.4
	RIDERSERIES - relay modules	B.6
	RIDERSERIES FG - Overview	B.44
	RIDERSERIES FG - relay module with positively-driven contacts	B.46

Industrial relay module with the proven connection technology

Easy handling and safe connections

Weidmüller's relay bases are remarkable for their secure connection systems and their ease of use during wiring and installation. Pluggable cross-connection and the extra-quick PUSH IN connection help you to further reduce wiring times. In combination with the established relay technology, our industrial relay modules provide users with excellent reliability and service convenience. The wide range of relay modules provides the right solution for every industrial application.





Coupling modules – the industrial standard

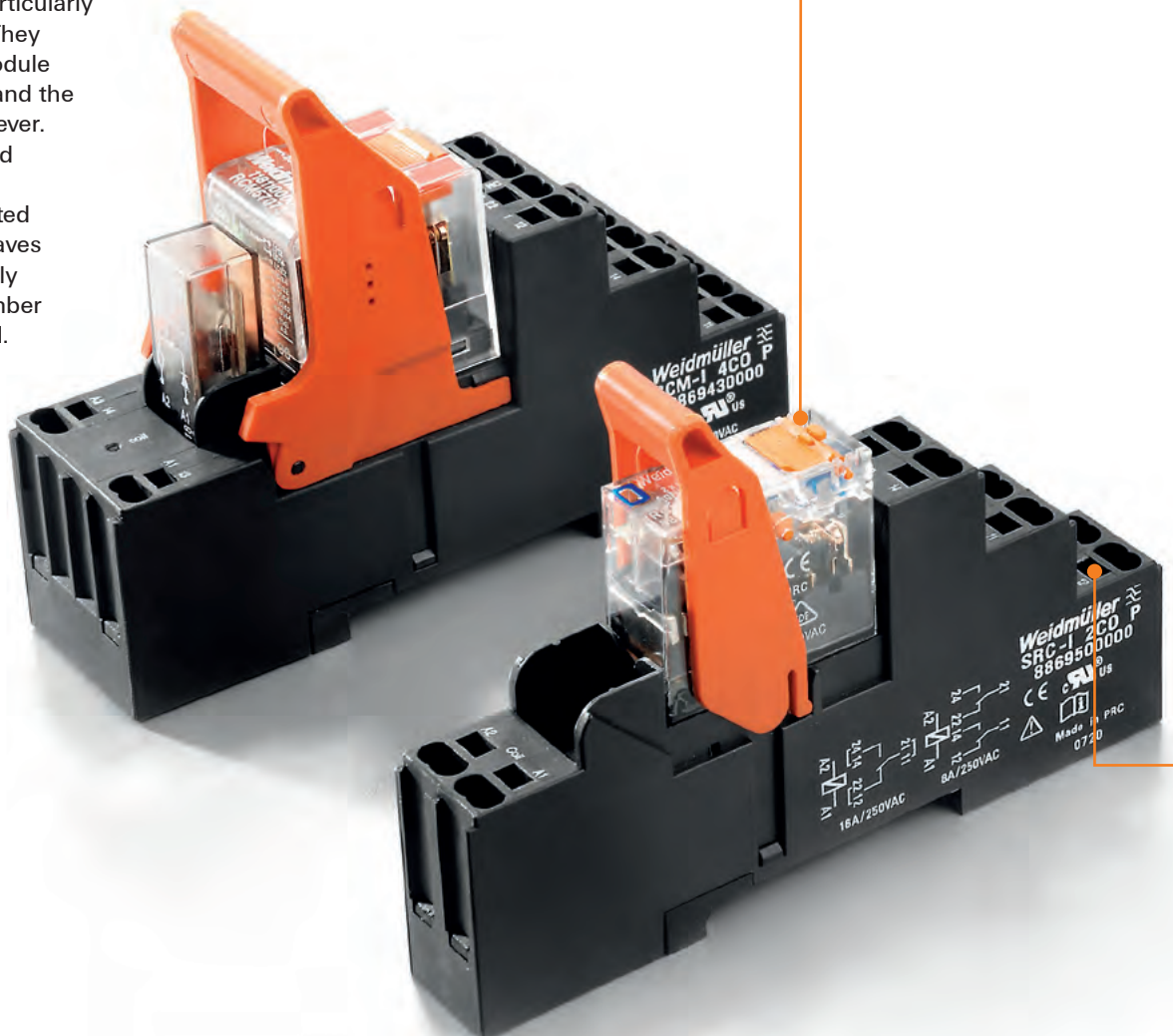


Relay module with 1 to 4 CO contacts

The RIDER SERIES and its RCI, RCM, RRD and RPW product lines have been successfully integrated into the entire Weidmüller line of relay products. This modular-designed product series formally complies with international standards. A variety of pluggable versions are available with from one to four CO contacts and your choice of connection method.

Our innovative relay bases with PUSH IN connection systems are available for both the RCI/RCL and RCM product lines. PUSH IN technology is safe and easy to use and it allows you to reduce costs with less wiring time. The relay modules are designed for industrial applications and feature sturdy relay pins and industrial-standard pinning. A mechanically operated, stay-down test button is integrated into the design. It enables switching statuses to be simulated during initial commissioning. Additional product features include LED status indicators and free-wheel diodes (DC).

Our relay kits are particularly convenient to use. They include the relay module with status display and the base with ejection lever. The kits are delivered fully assembled and with completely tested functionality. This saves time during assembly and reduces the number of products required.



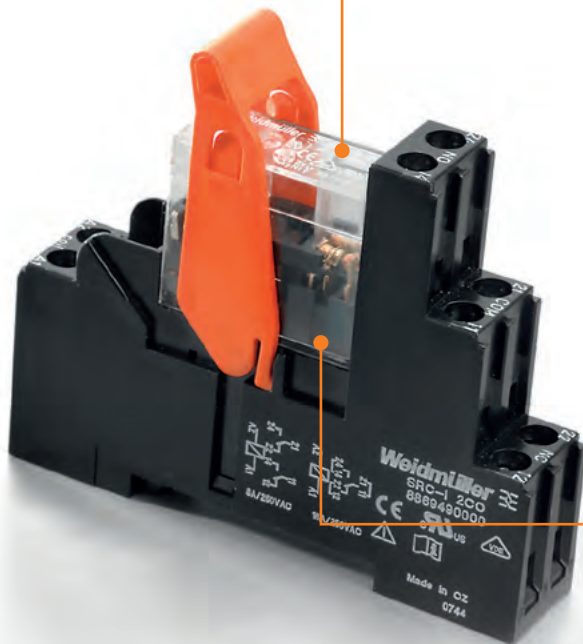
Simple

The stay-down test button simplifies commissioning and service work.



Customised

Suppressor circuitry and LED can be integrated into a relay module or as a pluggable module at the base.



Safe

The heavy-duty industrial pins ensure a reliable connection.

Saves time

No-screw PUSH IN connections and cross-connections can reduce wiring time by more than 50 %.



RIDERSERIES – relay modules

RCI KIT with screw connection

1 CO contact

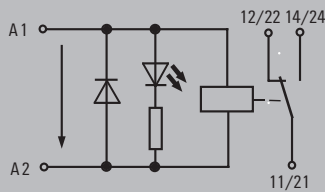
- 4000 VA switching capacity
- Stable plug-in connections
- LED (AC red / DC green) integrated in relay
- Protective suppressor circuit for DC coil
- Optional test button with latching function and inspection window
- Identification of coils (AC red / DC blue)



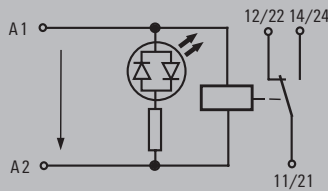
Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 16 A ¹⁾
Max. switching voltage, AC	400 V
Making current	30 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	4000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; GL; GOSTME25
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5
Depth x width x height	mm 70 / 15.5 / 77
Note	¹⁾ For full continuous current (16 A), relay connections 11 - 21, 12 - 22 and 14 - 24 must be bridged.

DC-Version



AC-Version



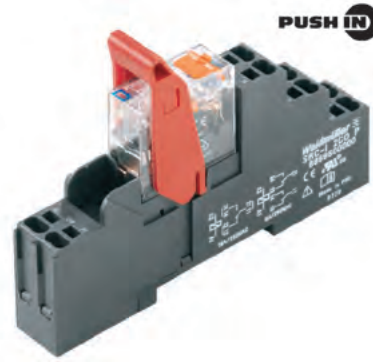
Ordering data

Input		24 V DC 1CO	24 V AC 1CO	115 V AC 1CO	230 V AC 1CO
Rated control voltage		24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC		/ 16.7 mA	31.6 mA	7 mA	3.5 mA
Power rating		420 mW	0.75 VA	0.8 VA	0.8 VA
AC response/dropout Volt			18 V / 3.6 V	86.3 V / 17.3 V	172.5 V / 34.5 V
DC response/dropout Volt		16.8 V / 2.4 V			
Status indicator		Green LED	red LED	red LED	red LED
Protective circuit		Integrated free-wheel diode			
Output					
Switch-on delay		≤ 8 ms	≤ 8 ms	≤ 8 ms	≤ 8 ms
Switch-off delay		≤ 6 ms	≤ 6 ms	≤ 6 ms	≤ 6 ms
Ordering data					
Relay with socket					
w. test button	Type	RCIKIT 24VDC 1CO LD/PB	RCIKIT 24VAC 1CO LD/PB	RCIKIT 115VAC 1CO LD/PB	RCIKIT 230VAC 1CO LD/PB
	Order No.	8881580000	8881590000	8897060000	8881600000
w.o. test button	Type	RCIKIT 24VDC 1CO LED	RCIKIT 24VAC 1CO LED	RCIKIT 115VAC 1CO LD	RCIKIT 230VAC 1CO LED
	Order No.	8871000000	8871010000	8897090000	8871020000
Ordering data					
Spare relay		w. test button	w.o. test button	w. test button	w.o. test button
	Type	RCI374AC4	RCI314AC4	RCI374S15	RCI314S15
	Order No.	8870250000	8870100000	8870290000	8870140000
	Type	RCI374T30	RCI314T30	RCI374T30	RCI314T30
	Order No.	8870300000	8870150000	8870300000	8870150000
Note					

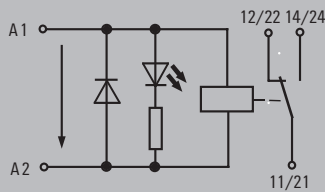
RCI-KITP with PUSH IN connection

1 CO contact

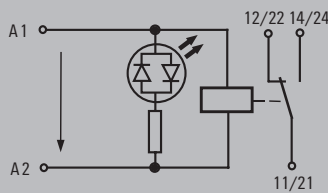
- 4000 VA switching capacity
- Stable plug-in connections
- LED (AC red / DC green) integrated in relay
- Protective suppressor circuit for DC coil
- Optional test button with latching function and inspection window
- Identification of coils (AC red / DC blue)



DC-Version



AC-Version



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 16 A ¹⁾
Max. switching voltage, AC	400 V
Making current	30 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	4000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; GL; GOSTME25
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
	PUSH IN spring connection
Clamping range (nominal / min. / max.)	mm ² 1.5 / 0.75 / 1.5
Depth x width x height	mm 70 / 15.5 / 98
Note	1) For full continuous current (16 A), relay connections 11 - 21, 12 - 22 and 14 - 24 must be bridged.

Ordering data

Input		24 V DC 1CO	24 V AC 1CO	115 V AC 1CO	230 V AC 1CO
Rated control voltage		24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC		/ 16.7 mA	31.6 mA	7 mA	3.5 mA
Power rating		420 mW	0.75 VA	0.8 VA	0.8 VA
AC response/dropout Volt			18 V / 3.6 V	86.3 V / 17.3 V	172.5 V / 34.5 V
DC response/dropout Volt		16.8 V / 2.4 V			
Status indicator		Green LED	red LED	red LED	red LED
Protective circuit		Integrated free-wheel diode			
Output					
Switch-on delay		≤ 8 ms	≤ 8 ms	≤ 8 ms	≤ 8 ms
Switch-off delay		≤ 6 ms	≤ 6 ms	≤ 6 ms	≤ 6 ms
Ordering data					
Relay with socket					
w. test button	Type	RCIKITP 24VDC 1CO LD/PB	RCIKITP 24VAC 1CO LD/PB	RCIKITP115VAC 1CO LD/PB	RCIKITP230VAC 1CO LD/PB
	Order No.	8897190000	8897200000	8897210000	8897220000
w.o. test button	Type	RCIKITP 24VDC 1CO LD	RCIKITP 24VAC 1CO LD	RCIKITP 115VAC 1CO LD	RCIKITP 230VAC 1CO LD
	Order No.	8897110000	8897120000	8897130000	8897140000
Ordering data					
Spare relay		w. test button	w.o. test button	w. test button	w.o. test button
	Type	RCI374AC4	RCI314AC4	RCI374S15	RCI314S15
	Order No.	8870250000	8870100000	8870290000	8870140000
	Type	RCI374R24	RCI314R24	RCI374T30	RCI314T30
	Order No.	8870280000	8870130000	8870300000	8870150000
Note					

RIDERSERIES – RCI KIT 1 CO accessories

Accessories for RCI KIT relay modules, 1 CO

Plug-in module with PUSH IN connection



Plug-in module with screw connection

Standard height



Plug-in module with screw connection

Low height



Technical data

Rated current	2 x 12 A*)
Rated voltage	240 V AC
Dielectric strength of coil contacts	4000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	12 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	1 x 1.5 mm ² / 2 x 1.0 mm ²
- Stranded wire	1 x 1.5 mm ² / 2 x 1.0 mm ²
- with ferrule	1 x 1.0 mm ² / 2 x 0.75 mm ²
Rated torque acc. to IEC 61984 for screw connection	

Rated current	2 x 12 A*)
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

Rated current	2 x 12 A*)
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

Rated current	2 x 12 A*)
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

* For 1-pole relay modules (16 A), the following terminals must be connected: 11 with 21, 12 with 22, and 14 with 24.

Ordering data

Description
Plug-in module, snaps onto TS 35 DIN mounting rail, 2-pole

Type	Qty.	Order No.
SRC-I 2CO P		8869500000

Type	Qty.	Order No.
SRC-I 2CO		8869490000

Type	Qty.	Order No.
SRC-I 2CO N		8869480000

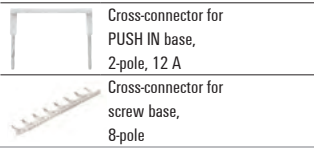
Accessories

Description
Plastic retaining clip
Metal retaining clip
Label
MultiCard 6x15 mm

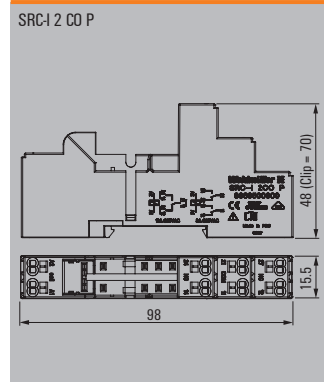
Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV P		8870840000

Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV S		1132070000

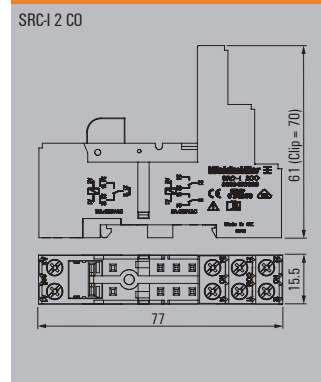
Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV S		1132070000



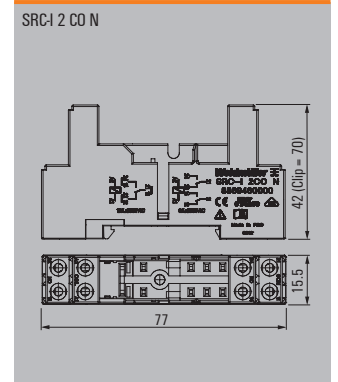
Dimensions



Dimensions



Dimensions



Dimensions in mm

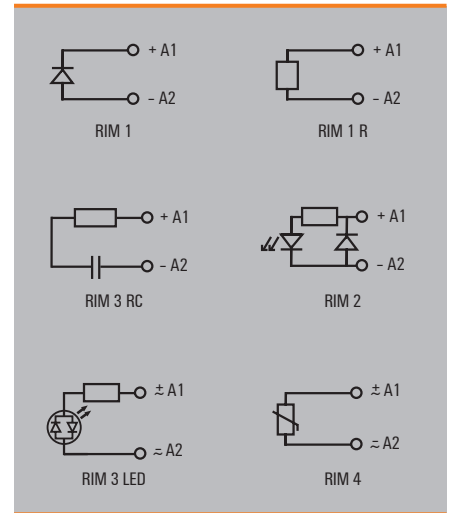
LED and protective modules for the SRC-I plug-in frame

Simply plug into the base module; reverse-connect protection. Connect parallel to coil.

Ordering data

Description
Free Wheel diode 1N4007
Resistor 100 kΩ 1 Watt
RC-element 6 ... 60 V AC; 470 Ω / 220 nF
RC-element 110 ... 230 V AC; 4.7 Ω / 10 nF
Varistor protection 24 V; S07K30
Varistor protection 110 V; S07K130
Varistor protection 230 V; S07K275
LED
LED 6 ... 24 V DC with free wheel diode
LED 24 ... 60 V DC with free wheel diode
LED 110 ... 230 V DC with free wheel diode
LED 6 ... 24 V DC / V AC
LED 24 ... 60 V DC / V AC
LED 110 ... 230 V DC / V AC

Type	Qty.	Order No.	Order No.
RIM-I 1 6/230V	10	8869580000	
RIM-I 1 R 110/230V	10	8870830000	
RIM-I 3 6/60VAC	10	8869770000	
RIM-I 3 110/230VAC	10	8869790000	
RIM-I 4 24VUC	10	8869710000	
RIM-I 4 110VUC	10	8869730000	
RIM-I 4 230VUC	10	8869750000	
		red	green
RIM-I 2 6/24VDC	10	8869590000	8869600000
RIM-I 2 24/60VDC	10	8869670000	8869680000
RIM-I 2 110/230VDC	10	8869690000	8869700000
RIM-I 3 6/24VUC	10	8869630000	8869640000
RIM-I 3 24/60VUC	10	8869610000	8869620000
RIM-I 3 110/230VUC	10	8869650000	8869660000



Warnings and notes on usage

Handling the PUSH IN connection

Cross-connector mounting for PUSH IN base

Cross-connector mounting for screw base

If more than two poles need to be connected with stacked cross-connector ridges, then the lower ridge must be stripped and shortened to the proper length so it will fit.

Screwdriver
SD 0.6 x 3.5 x 100
9008330000

Release openings
Wire-connection opening

RIDERSERIES – relay modules

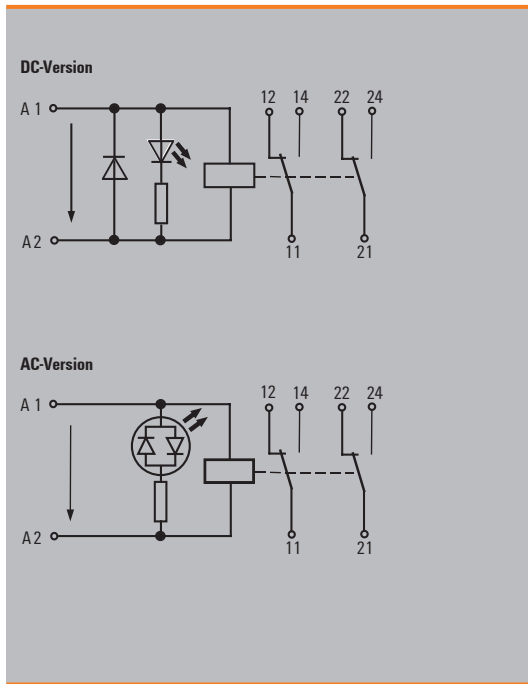
RCI KIT with screw connection

2 CO contacts

- 2000 VA switching capacity
- Stable plug-in connections
- LED (AC red / DC green) integrated in relay
- Protective suppressor circuit for DC coil
- Optional test button with latching function and inspection window
- Identification of coils (AC red / DC blue)



B



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 8 A
Max. switching voltage, AC	400 V
Making current	15 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; GL; GOSTME25
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5
Depth x width x height	mm 70 / 15.5 / 77
Screw connection	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5
Depth x width x height	mm 70 / 15.5 / 77
Note	

Ordering data

Input	
Rated control voltage	24 V DC
Rated current AC / DC	/ 16.7 mA
Power rating	420 mW
AC response/dropout Volt	
DC response/dropout Volt	16.8 V / 2.4 V
Status indicator	Green LED
Protective circuit	Integrated free-wheel diode
Output	
Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms

24 V DC 2CO	
Rated control voltage	24 V DC
Rated current AC / DC	/ 16.7 mA
Power rating	420 mW
AC response/dropout Volt	
DC response/dropout Volt	16.8 V / 2.4 V
Status indicator	Green LED
Protective circuit	Integrated free-wheel diode
Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms

24 V AC 2CO	
Rated control voltage	24 V AC
Rated current AC / DC	31.6 mA
Power rating	0.75 VA
AC response/dropout Volt	18 V / 3.6 V
DC response/dropout Volt	
Status indicator	red LED
Protective circuit	
Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms

115 V AC 2CO	
Rated control voltage	115 V AC
Rated current AC / DC	7 mA
Power rating	0.8 VA
AC response/dropout Volt	86.3 V / 17.3 V
DC response/dropout Volt	
Status indicator	red LED
Protective circuit	
Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms

230 V AC 2CO	
Rated control voltage	230 V AC
Rated current AC / DC	3.5 mA
Power rating	0.8 VA
AC response/dropout Volt	172.5 V / 34.5 V
DC response/dropout Volt	
Status indicator	red LED
Protective circuit	
Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms

Ordering data

Relay with socket	
w. test button	Type
	Order No.
w.o. test button	Type
	Order No.

24 V DC 2CO	
w. test button	RCIKIT 24VDC 2CO LD/PB
	8881610000
w.o. test button	RCIKIT 24VDC 2CO LED
	8871030000

24 V AC 2CO	
w. test button	RCIKIT 24VAC 2CO LD/PB
	8881620000
w.o. test button	RCIKIT 24VAC 2CO LED
	8871040000

115 V AC 2CO	
w. test button	RCIKIT 115VAC 2CO LD/PB
	8897080000
w.o. test button	RCIKIT 115VAC 2CO LD
	8897100000

230 V AC 2CO	
w. test button	RCIKIT 230VAC 2CO LD/PB
	8881630000
w.o. test button	RCIKIT 230VAC 2CO LED
	8871050000

Ordering data

Spare relay	
	Type
	Order No.

24 V DC 2CO	
w. test button	RCI484AC4
	8870320000
w.o. test button	RCI424AC4
	8870180000

24 V AC 2CO	
w. test button	RCI484R24
	8870350000
w.o. test button	RCI424R24
	8870210000

115 V AC 2CO	
w. test button	RCI484S15
	8870360000
w.o. test button	RCI424S15
	8870220000

230 V AC 2CO	
w. test button	RCI484T30
	8870370000
w.o. test button	RCI424T30
	8870230000

Note	

Note	

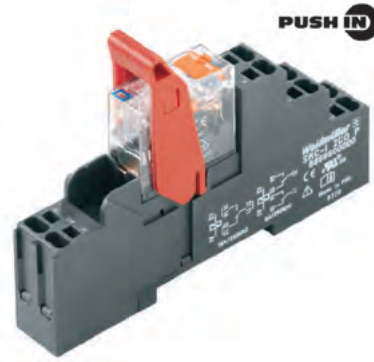
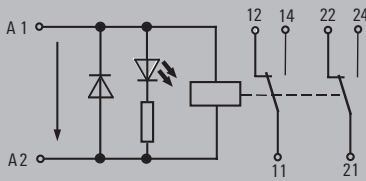
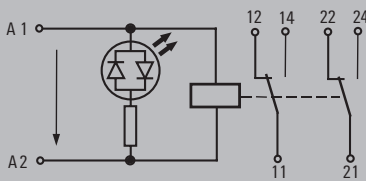
Note	

Note	

Note	

RCI-KITP with PUSH IN connection**2 CO contacts**

- 2000 VA switching capacity
- Stable plug-in connections
- LED (AC red / DC green) integrated in relay
- Protective suppressor circuit for DC coil
- Optional test button with latching function and inspection window
- Identification of coils (AC red / DC blue)

**DC-Version****AC-Version****Technical data**

Output	
Rated switching voltage / Continuous current	240 V AC / 8 A
Max. switching voltage, AC	400 V
Making current	15 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; GL; GOSTME25
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
	PUSH IN spring connection
Clamping range (nominal / min. / max.)	mm ² 1.5 / 0.75 / 1.5
Depth x width x height	mm 70 / 15.5 / 98
Note	

Ordering data

Input	24 V DC 2CO	24 V AC 2CO	115 V AC 2CO	230 V AC 2CO
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 16.7 mA	31.6 mA	7 mA	3.5 mA
Power rating	420 mW	0.75 VA	0.8 VA	0.8 VA
AC response/dropout Volt		18 V / 3.6 V	86.3 V / 17.3 V	172.5 V / 34.5 V
DC response/dropout Volt	16.8 V / 2.4 V			
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Integrated free-wheel diode			
Output				
Switch-on delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Switch-off delay	≤ 6 ms	≤ 6 ms	≤ 6 ms	≤ 6 ms

Ordering data

Relay with socket		24 V DC 2CO	24 V AC 2CO	115 V AC 2CO	230 V AC 2CO
w. test button	Type	RCIKITP 24VDC 2CO LD/PB	RCIKITP 24VAC 2CO LD/PB	RCIKITP115VAC 2CO LD/PB	RCIKITP230VAC 2CO LD/PB
	Order No.	8897230000	8897240000	8897250000	8897260000
w.o. test button	Type	RCIKITP 24VDC 2CO LD	RCIKITP 24VAC 2CO LD	RCIKITP 115VAC 2CO LD	RCIKITP 230VAC 2CO LD
	Order No.	8897150000	8897160000	8897170000	8897180000

Ordering data

Spare relay		24 V DC 2CO		24 V AC 2CO		115 V AC 2CO		230 V AC 2CO	
	Type	w. test button	w.o. test button	w. test button	w.o. test button	w. test button	w.o. test button	w. test button	w.o. test button
	Order No.	RCI484AC4	RCI424AC4	RCI484R24	RCI424R24	RCI484S15	RCI424S15	RCI484T30	RCI424T30
		8870320000	8870180000	8870350000	8870210000	8870360000	8870220000	8870370000	8870230000

Note

RIDERSERIES – RCI KIT 2 CO accessories

Accessories for RCI KIT relay modules, 2 CO

Plug-in module with PUSH IN connection

Plug-in module with screw connection

Plug-in module with screw connection



Technical data

Rated current	2 x 12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	4000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	12 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	1 x 1.5 mm ² / 2 x 1.0 mm ²
- Stranded wire	1 x 1.5 mm ² / 2 x 1.0 mm ²
- with ferrule	1 x 1.0 mm ² / 2 x 0.75 mm ²
Rated torque acc. to IEC 61984 for screw connection	

Rated current	2 x 12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

Rated current	2 x 12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

Rated current	2 x 12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 3000 V _{eff}
Ambient temperature (operational)	-25 °C...+85 °C
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm

Ordering data

Description
Plug-in module, snaps onto TS35 DIN mounting rail, 2-pole

Type	Qty.	Order No.
SRC-I 2CO P		8869500000

Type	Qty.	Order No.
SRC-I 2CO		8869490000

Type	Qty.	Order No.
SRC-I 2CO N		8869480000

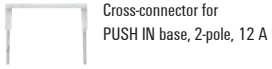
Accessories

Description
Plastic retaining clip
Metal retaining clip
Label
MultiCard 6x15 mm

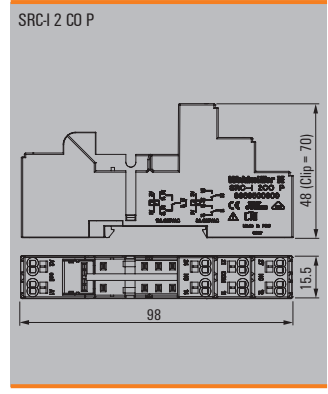
Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV P		8870840000

Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV S		1132070000

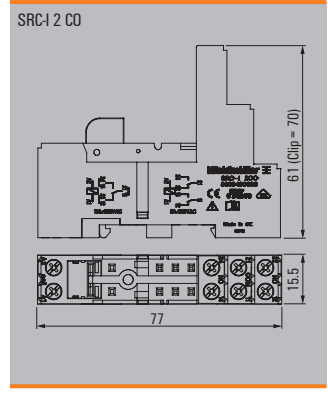
Type	Qty.	Order No.
SRC-I CLIP HP	10	8869510000
SRC-I CLIP HM RCI	20	1132090000
SRC-I MARK	10	8869530000
ESG 6/15 K MC	200	1880100000
NEUTR. WS		
SRC-I QV S		1132070000



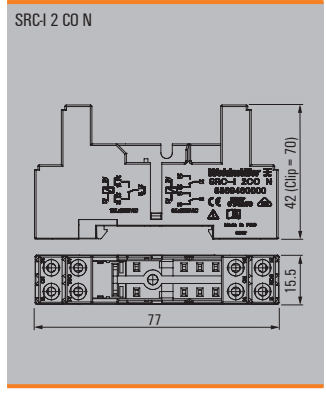
Dimensions



Dimensions



Dimensions



Dimensions in mm

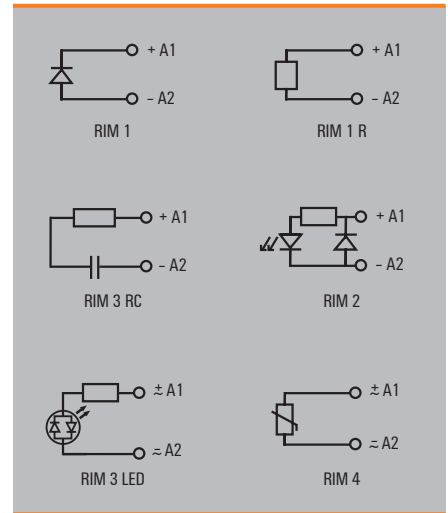
LED and protective modules for the SRC-I plug-in frame

Simply plug into the base module; reverse-connect protection. Connect parallel to coil.

Ordering data

Description
Free Wheel diode 1N4007
Resistor 100 kΩ 1 Watt
RC-element 6 ... 60 V AC; 470 Ω / 220 nF
RC-element 110 ... 230 V AC; 4.7 Ω / 10 nF
Varistor protection 24 V; S07K30
Varistor protection 110 V; S07K130
Varistor protection 230 V; S07K275
LED
LED 6 ... 24 V DC with free wheel diode
LED 24 ... 60 V DC with free wheel diode
LED 110 ... 230 V DC with free wheel diode
LED 6 ... 24 V DC / V AC
LED 24 ... 60 V DC / V AC
LED 110 ... 230 V DC / V AC

Type	Qty.	Order No.	Order No.
RIM-I 1 6/230V	10	8869580000	
RIM-I 1 R 110/230V	10	8870830000	
RIM-I 3 6/60VAC	10	8869770000	
RIM-I 3 110/230VAC	10	8869790000	
RIM-I 4 24VUC	10	8869710000	
RIM-I 4 110VUC	10	8869730000	
RIM-I 4 230VUC	10	8869750000	
		red	green
RIM-I 2 6/24VDC	10	8869590000	8869600000
RIM-I 2 24/60VDC	10	8869670000	8869680000
RIM-I 2 110/230VDC	10	8869690000	8869700000
RIM-I 3 6/24VUC	10	8869630000	8869640000
RIM-I 3 24/60VUC	10	8869610000	8869620000
RIM-I 3 110/230VUC	10	8869650000	8869660000



Warnings and notes on usage

Handling the PUSH IN connection

Cross-connector mounting for PUSH IN base

Cross-connector mounting for screw base

If more than two poles need to be connected with stacked cross-connector ridges, then the lower ridge must be stripped and shortened to the proper length so it will fit.

Screwdriver
SD 0.6 x 3.5 x 100
9008330000

Release openings
Wire-connection opening

RCI relay

1 CO AC/DC coil

- 4000 VA switching capacity
- Stable plug-in connections
- Optional test button with latching function and inspection window
- Optional status indicator (AC red / DC green)
- Optional protective suppressor circuit
- Identification of coils (AC red / DC blue)

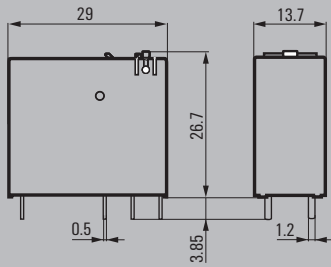
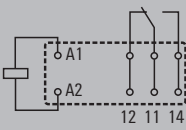


B

Circuit diagram

View on solder pins
dimensions in mm

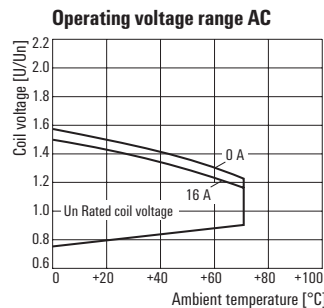
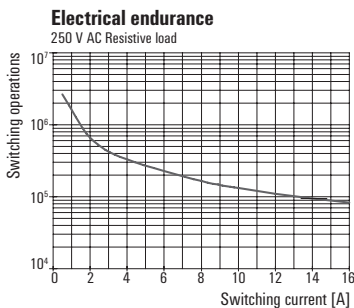
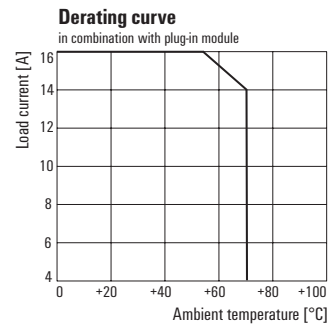
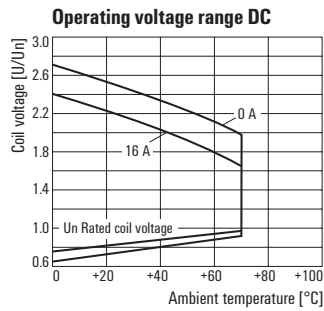
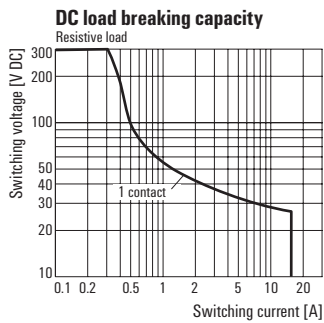
1 C/O changeover contacts



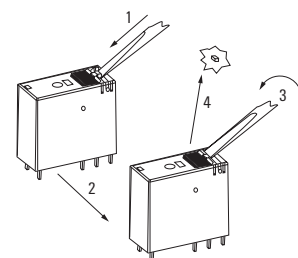
Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 16 A
Max. switching voltage, AC	400 V
Making current	30 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	4000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 25.5 / 13 / x
Plug-in connection	
Note	
	x = 25.5 without test button / 26.7 with test button

Applications



Removal of snap lock



RCI relay 1 CO AC/DC coil

Type code	RCI				
Type	RIDER Control Industrial				
Type of construction	3 1-pole, 16 A 4 2-pole, 8 A				
Type of contact	1 1 CO contact without test button 2 2 CO contacts without test button 7 1 CO contact with test button 8 2 CO contacts with test button				
Contact material	4 AgNi 90/10				
Coil	012 12 V DC 024 24 V DC 048 48 V DC 110 110 V DC 524 24 V AC 615 115 V AC 730 230 V AC AB2 12 V DC+LED+diode AC4 24 V DC+LED+diode AE8 48 V DC+LED+diode BB0 110 V DC+LED+diode R24 24 V AC+LED S15 115 V AC+LED T30 230 V AC+LED				

Ordering data

	12 V DC 1CO	24 V DC 1CO	48 V DC 1CO	110 V DC 1CO
Input				
Rated control voltage	12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC	/ 33.3 mA	/ 16.7 mA	/ 8.7 mA	/ 4.1 mA
Power rating	400 mW	400 mW	400 mW	400 mW
AC response/dropout Volt				
DC response/dropout Volt	8.4 V / 1.2 V	16.8 V / 2.4 V	33.6 V / 4.8 V	77 V / 11 V
Output				
Switch-on delay	≤ 8 ms	≤ 8 ms	≤ 8 ms	≤ 8 ms
Switch-off delay	≤ 6 ms	≤ 6 ms	≤ 6 ms	≤ 6 ms

Ordering data

Relay				
Standard	Type	RCI314012	RCI314024	RCI314048
	Order No.	8869800000	8869810000	8869820000
w. test button	Type	RCI374012	RCI374024	RCI374048
	Order No.	8869950000	8869960000	8869970000
With LED + freewheel diode	Type	RCI314AB2	RCI314AC4	RCI314AE8
	Order No.	8870090000	8870100000	8870110000
With test button + LED + Free-wheel diode	Type	RCI374AB2	RCI374AC4	RCI374AE8
	Order No.	8870240000	8870250000	8870260000

Note

Ordering data

	24 V AC 1CO	115 V AC 1CO	230 V AC 1CO
Input			
Rated control voltage	24 V AC	115 V AC	230 V AC
Rated current AC / DC	31.6 mA	6.6 mA	3.2 mA
Power rating	0.75 VA	0.75 VA	0.75 VA
AC response/dropout Volt	18 V / 3.6 V	86.3 V / 17.3 V	172.5 V / 34.5 V
DC response/dropout Volt			
Output			
Switch-on delay	≤ 8 ms	≤ 8 ms	≤ 8 ms
Switch-off delay	≤ 6 ms	≤ 6 ms	≤ 6 ms

Ordering data

Relay			
Standard	Type	RCI314524	RCI314615
	Order No.	8869840000	8869850000
w. test button	Type	RCI374524	RCI374615
	Order No.	8869990000	8870000000
with LED	Type	RCI314R24	RCI314S15
	Order No.	8870130000	8870140000
With test button + LED	Type	RCI374R24	RCI374S15
	Order No.	8870280000	8870290000

Note

RCI relay

2 CO AC/DC coil

- 2000 VA switching capacity
- Stable plug-in connections
- Optional test button with latching function and inspection window
- Optional status indicator (AC red / DC green)
- Optional protective suppressor circuit
- Identification of coils (AC red / DC blue)

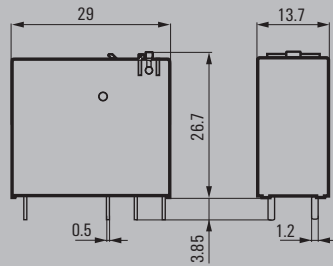
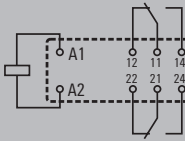


B

Circuit diagram

View on solder pins
dimensions in mm

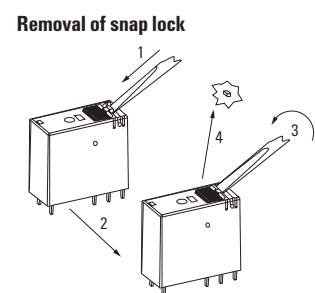
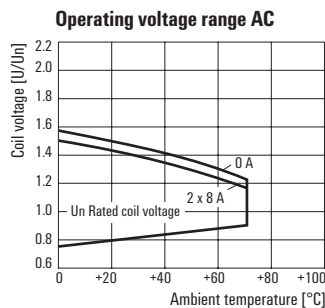
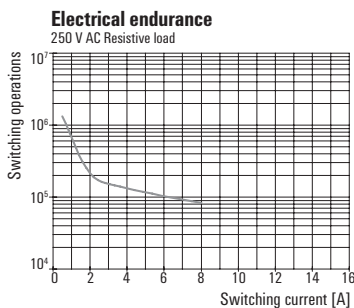
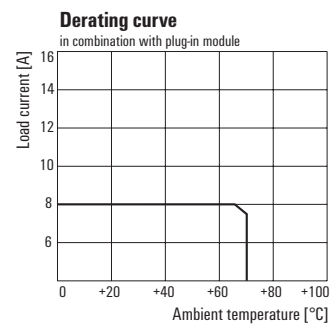
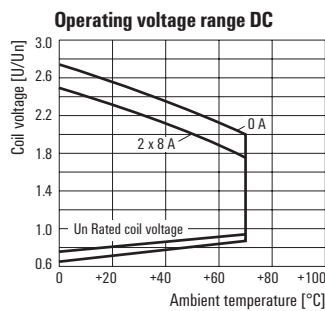
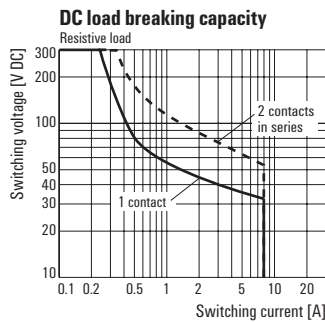
2 C/O changeover contacts



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 8 A
Max. switching voltage, AC	400 V
Making current	15 A / 4 s
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2000 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 5 x 10 ⁶ Switch. cycles, DC coil 10 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 8 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 25.5 / 13 / x
Plug-in connection	
Note	
	x = 25.5 without test button / 26.7 with test button

Applications



RCI relay 2 CO AC/DC coil

Type code	RCI				
Type	RIDER Control Industrial				
Type of construction					
	3 1-pole, 16 A				
	4 2-pole, 8 A				
Type of contact					
	1 1 CO contact without test button				
	2 2 CO contacts without test button				
	7 1 CO contact with test button				
	8 2 CO contacts with test button				
Contact material					
	4 AgNi 90/10				
Coil					
	012 12 V DC				
	024 24 V DC				
	048 48 V DC				
	110 110 V DC				
	524 24 V AC				
	615 115 V AC				
	730 230 V AC				
	AB2 12 V DC+LED+diode				
	AC4 24 V DC+LED+diode				
	AE8 48 V DC+LED+diode				
	BB0 110 V DC+LED+diode				
	R24 24 V AC+LED				
	S15 115 V AC+LED				
	T30 230 V AC+LED				

Ordering data

	12 V DC 2CO	24 V DC 2CO	48 V DC 2CO	110 V DC 2CO
Input				
Rated control voltage	12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC	/ 33.3 mA	/ 16.7 mA	/ 8.7 mA	/ 4.1 mA
Power rating	400 mW	400 mW	400 mW	400 mW
AC response/dropout Volt				
DC response/dropout Volt	8.4 V / 1.2 V	16.8 V / 2.4 V	33.6 V / 4.8 V	77 V / 11 V
Output				
Switch-on delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Switch-off delay	≤ 6 ms	≤ 6 ms	≤ 6 ms	≤ 6 ms

Ordering data

Relay				
Standard	Type	RCI424012	RCI424024	RCI424048
	Order No.	8869870000	8869890000	8869900000
w. test button	Type	RCI484012	RCI484024	RCI484048
	Order No.	8870020000	8870030000	8870040000
With LED + freewheel diode	Type	RCI424AB2	RCI424AC4	RCI424AE8
	Order No.	8870170000	8870180000	8870190000
With test button + LED + Free-wheel diode	Type	RCI484AB2	RCI484AC4	RCI484AE8
	Order No.	8870310000	8870320000	8870330000

Note

Ordering data

	24 V AC 2CO	115 V AC 2CO	230 V AC 2CO
Input			
Rated control voltage	24 V AC	115 V AC	230 V AC
Rated current AC / DC	31.6 mA	6.6 mA	3.2 mA
Power rating	0.75 VA	0.75 VA	0.75 VA
AC response/dropout Volt	18 V / 3.6 V	86.3 V / 17.3 V	172.5 V / 34.5 V
DC response/dropout Volt			
Output			
Switch-on delay	≤ 10 ms	≤ 10 ms	≤ 10 ms
Switch-off delay	≤ 6 ms	≤ 6 ms	≤ 6 ms

Ordering data

Relay			
Standard	Type	RCI424524	RCI424615
	Order No.	8869920000	8869930000
w. test button	Type	RCI484524	RCI484615
	Order No.	8870060000	8870070000
with LED	Type	RCI424R24	RCI424S15
	Order No.	8870210000	8870220000
With test button + LED	Type	RCI484R24	RCI484S15
	Order No.	8870350000	8870360000

Note

RIDERSERIES – relay modules

RCM KIT

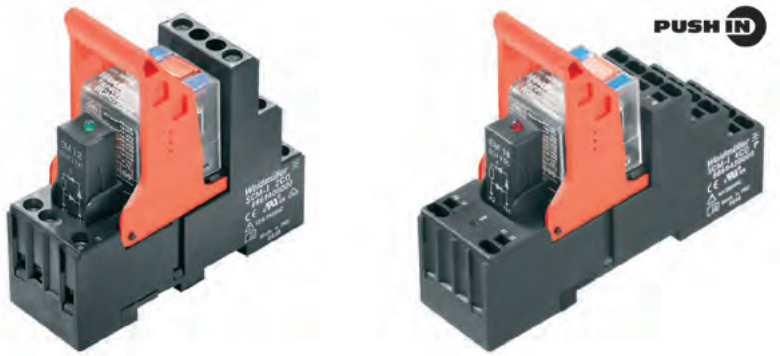
2 CO contacts, AC/ DC coil

Modular system comprising of:

- Relay socket for rail mounting
- LED display unit (AC red / DC green)
- Retaining clip
- Pluggable relays with coil identification (AC red / DC blue)
- Markers

Independent of connection system:

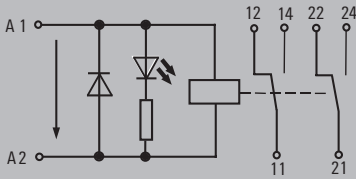
- Screw or PUSH IN connection system



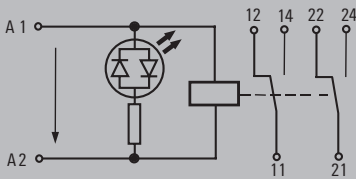
Technical data

Output		
Rated switching voltage / Continuous current	240 V AC / 12 A	
Max. switching voltage, AC	400 V	
Making current	24 A / 20 ms	
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	
Max. switching power	3000 VA	
Contact material	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	
Rated data		
Ambient temperature (operational)	-40 °C...+70 °C	
Storage temperature	-40 °C...+70 °C	
Humidity	40 °C / 93 % rel. humidity, no condensation	
Approvals	CE; GL; GOSTME25	
Insulation coordination (EN 50178)		
Rated voltage	250 V	
Impulse withstand voltage	5 kV (1.2/50 µs)	
Dielectric strength input - output	2.5 kV _{eff}	
Dielectric strength, contact / contact	2.5 kV _{eff}	
Dielectric strength to mounting rail		
Creepage and clearance distance input - output	≥ 4 mm	
Surge voltage category	III	
Pollution severity	2	
Dimensions		
Clamping range (nominal / min. / max.)	Screw connection	2.5 / 0.5 / 2.5
	PUSH IN spring connection	1.5 / 0.75 / 1.5
Depth x width x height	Screw connection	79 / 28 / 77
	PUSH IN spring connection	79 / 28 / 98
Note		

DC-Version



AC-Version



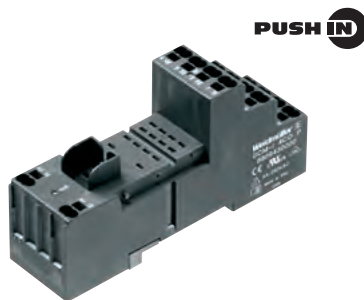
Ordering data

Input		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
AC response/dropout Volt			19.2 V / 7.2 V	92 V / 34.5 V	184.0 V / 69.0 V
DC response/dropout Volt		18.0 V / 2.4 V			
Status indicator		Green LED	red LED	red LED	red LED
Protective circuit		Integrated free-wheel diode			
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Ordering data					
Relay with socket					
Screw connection	Type	RCMKIT-I 24VDC 2CO LD	RCMKIT-I 24VAC 2CO LD	RCMKIT-I 115VAC 2CO LD	RCMKIT-I 230VAC 2CO LD
	Order No.	8920940000	8920950000	8920960000	8920970000
PUSH IN connection	Type	RCMKITP-I 24VDC 2CO LD	RCMKITP-I 24VAC 2CO LD	RCMKITP-I 115VAC 2CO LD	RCMKITP-I 230VAC 2CO LD
	Order No.	8921080000	8921090000	8921100000	8921110000
Ordering data					
Spare relay (pluggable)					
	Type	RCM270024	RCM270524	RCM270615	RCM270730
	Order No.	8689860000	8689760000	8689800000	8689820000
Note					

Accessories for RCM KIT relay modules, 2 CO

Plug-in module with PUSH IN connection

Plug-in module with screw connection



Technical data

Rated current	12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	12 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	1 x 0.75/1/1.5 mm ² / 2 x 0.75/1 mm ²
- Stranded wire	1 x 0.75/1/1.5 mm ² / 2 x 0.75/1 mm ²
- with ferrule	1 x 0.75/1 mm ² / 2 x 0.75 mm ²
Rated torque acc. to IEC 61984 for screw connection	
Plug-in cycles	A (10)

Rated current	12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)

Rated current	12 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)



Ordering data

Description
Plug-in module, snaps onto TS35 DIN mounting rail, 2-pole

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

Type	Qty.	Order No.
SCM-H 2CO		8869400000

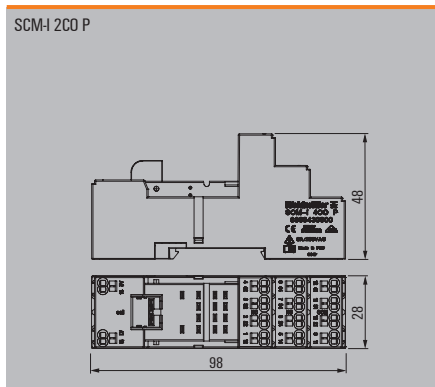
Accessories

Description
Plastic retaining clip
Metal retaining clip
Marker
Marker, Multicard
 Cross-connector for PUSH IN base, 2-pole, 12 A
 Cross-connector for screw base, 6-pole

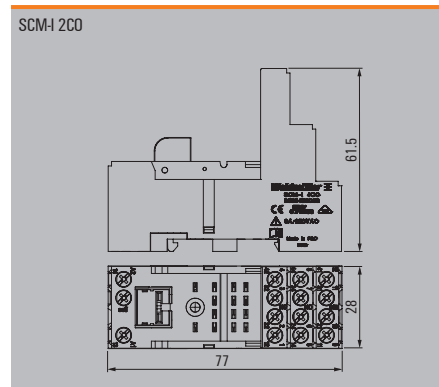
Type	Qty.	Order No.
SCM-H CLIP P	10	8869440000
SCM-H CLIP M	10	8869450000
SCM-H MARK	10	8869460000
ESG 9/11 K MC neutral	200	1857440000
SCM-H QV P	10	8870850000

Type	Qty.	Order No.
SCM-H CLIP P	10	8869440000
SCM-H CLIP M	10	8869450000
SCM-H MARK	10	8869460000
ESG 9/11 K MC neutral	200	1857440000
SCM-H QV S	10	1132080000

Dimensions



Dimensions



Dimensions in mm

RIDERSERIES – RCM KIT 2 CO accessories

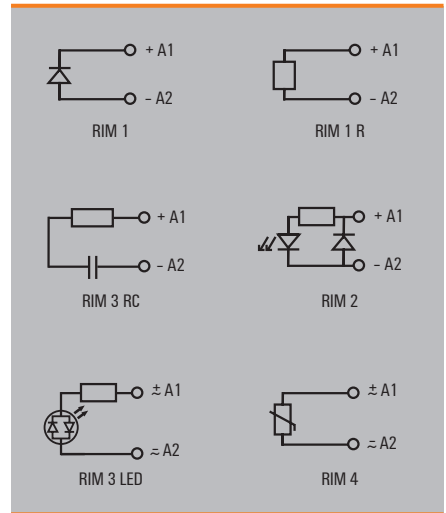
LED and protective modules for the SCM-I plug-in frame

Plug simply into the base module; reverse-connect protection. Connect parallel to coil.

Ordering data

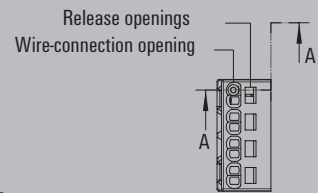
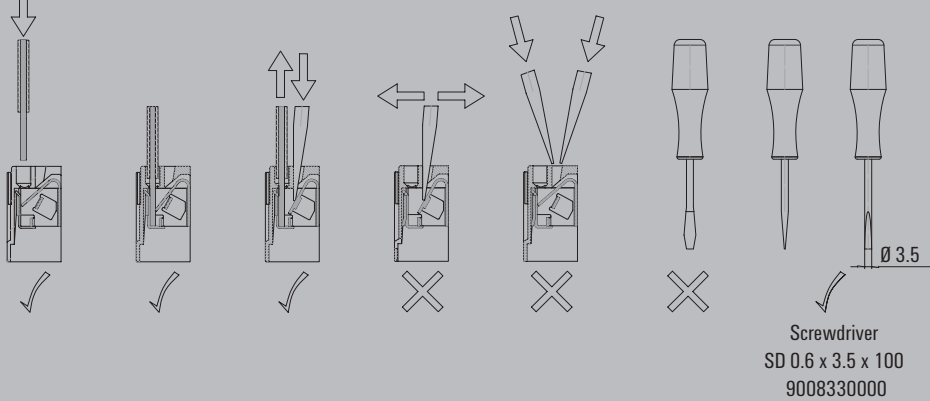
Description
Free Wheel diode 1N4007
Resistor 100 kΩ 1 Watt
RC element 6 ... 60 V AC; 470 Ω / 220 nF
RC element 110 ... 230 V AC; 4.7 Ω / 10 nF
Varistor protection 24 V; S07K30
Varistor protection 110 V; S07K130
Varistor protection 230 V; S07K275
LED
LED 6 ... 24 V DC with free wheel diode
LED 24 ... 60 V DC with free wheel diode
LED 110 ... 230 V DC with free wheel diode
LED 6 ... 24 V DC / V AC
LED 24 ... 60 V DC / V AC
LED 110 ... 230 V DC / V AC

Type	Qty.	Order No.	Order No.
RIM-I 1 6/230V	10	8869580000	
RIM-I 1 R 110/230V	10	8870830000	
RIM-I 3 6/60VAC	10	8869770000	
RIM-I 3 110/230VAC	10	8869790000	
RIM-I 4 24VUC	10	8869710000	
RIM-I 4 110VUC	10	8869730000	
RIM-I 4 230VUC	10	8869750000	
		red	green
RIM-I 2 6/24VDC	10	8869590000	8869600000
RIM-I 2 24/60VDC	10	8869670000	8869680000
RIM-I 2 110/230VDC	10	8869690000	8869700000
RIM-I 3 6/24VUC	10	8869630000	8869640000
RIM-I 3 24/60VUC	10	8869610000	8869620000
RIM-I 3 110/230VUC	10	8869650000	8869660000

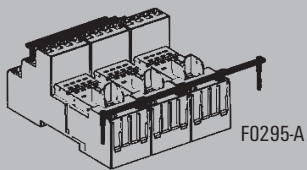


Warnings and notes on usage

Handling the PUSH IN connection

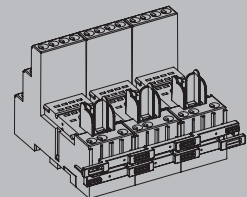


Cross-connector mounting for PUSH IN base



If more than two poles need to be connected with stacked cross-connector ridges, then the lower ridge must be stripped and shortened to the proper length so it will fit.

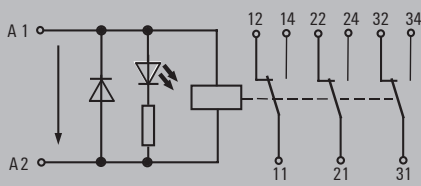
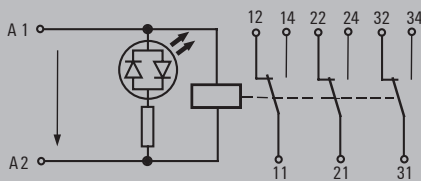
Cross-connector mounting for screw base



RCM KIT**3 CO contacts, AC/ DC coil**

Modular system comprising of:

- Relay socket for rail mounting
- LED display unit (AC red / DC green)
- Retaining clip
- Pluggable relay modules
- Identification of coils (AC red / DC blue)
- Markers

**DC-Version****AC-Version****Technical data**

Output	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Making current	20 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2500 VA
Contact material	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
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CE; GL; GOSTME25
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5
Depth x width x height	mm 72 / 28 / 74
Screw connection	
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5
Depth x width x height	mm 72 / 28 / 74
Note	

Ordering data

		24 V DC 3CO LED	24 V AC 3CO LED	115 V AC 3CO LED	230 V AC 3CO LED
Input					
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
AC response/dropout Volt			19.2 V / 7.2 V	92 V / 34.5 V	184.0 V / 69.0 V
DC response/dropout Volt		18.0 V / 2.4 V			
Status indicator		Green LED	red LED	red LED	red LED
Protective circuit		Integrated free-wheel diode			
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
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.				
Ordering data					
Spare relay (pluggable)					
	Type	RCM370024	RCM370524	RCM370615	RCM370730
	Order No.	8690040000	8690030000	8689980000	8690000000
Note					

**Accessories for
RCM KIT relay modules, 3 CO**

Plug-in module with screw connection




Technical data

Rated current	10 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)

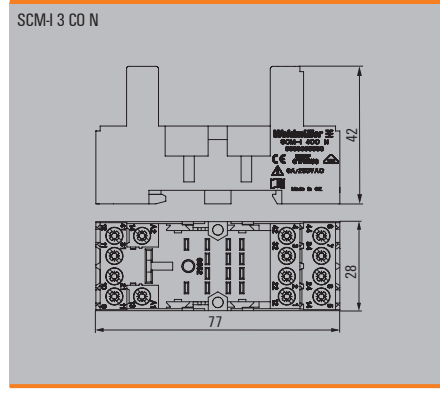
Ordering data

Description	Type	Qty.	Order No.
Plug-in module, snaps onto TS35 DIN mounting rail, 3-pole	SCM-H 3CO N		8869410000

Accessories

Description	Type	Qty.	Order No.
Plastic retaining clip	SCM-H CLIP N	10	8875620000
Metal retaining clip	SCM-H CLIP M	10	8869450000
Marker	SCM-H MARK	10	8869460000
Marker, Multicard	ESG 9/11 K MC neutral	200	1857440000
 Cross-connector for screw base, 6-pole	SCM-H QV S	10	1132080000

Dimensions



Dimensions in mm

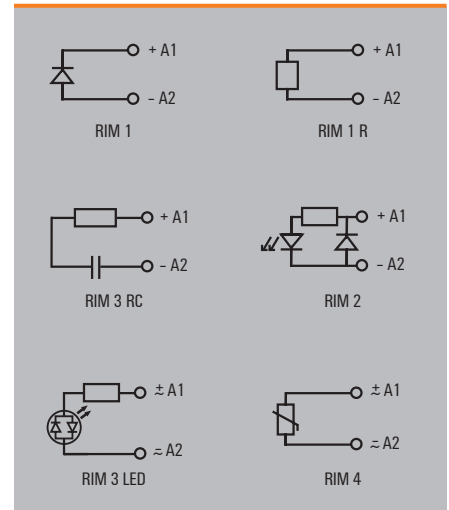
LED and protective modules for the SCM-I plug-in frame

Simply plug into the base module; reverse-connect protection. Connect parallel to coil.

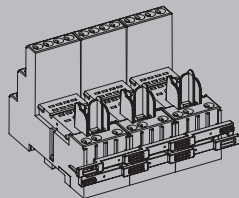
Ordering data

Description
Free Wheel diode 1N4007
Resistor 100 kΩ 1 Watt
RC element 6 ... 60 V AC; 470 Ω / 220 nF
RC element 110 ... 230 V AC; 4.7 Ω / 10 nF
Varistor protection 24 V; S07K30
Varistor protection 110 V; S07K130
Varistor protection 230 V; S07K275
LED
LED 6 ... 24 V DC with free wheel diode
LED 24 ... 60 V DC with free wheel diode
LED 110 ... 230 V DC with free wheel diode
LED 6 ... 24 V DC / V AC
LED 24 ... 60 V DC / V AC
LED 110 ... 230 V DC / V AC

Type	Qty.	Order No.	Order No.
RIM-I 1 6/230V	10	8869580000	
RIM-I 1 R 110/230V	10	8870830000	
RIM-I 3 6/60VAC	10	8869770000	
RIM-I 3 110/230VAC	10	8869790000	
RIM-I 4 24VUC	10	8869710000	
RIM-I 4 110VUC	10	8869730000	
RIM-I 4 230VUC	10	8869750000	
		red	green
RIM-I 2 6/24VDC	10	8869590000	8869600000
RIM-I 2 24/60VDC	10	8869670000	8869680000
RIM-I 2 110/230VDC	10	8869690000	8869700000
RIM-I 3 6/24VUC	10	8869630000	8869640000
RIM-I 3 24/60VUC	10	8869610000	8869620000
RIM-I 3 110/230VUC	10	8869650000	8869660000

**Warnings and notes on usage**

Cross-connector mounting for screw base



RIDERSERIES – relay modules

RCM KIT

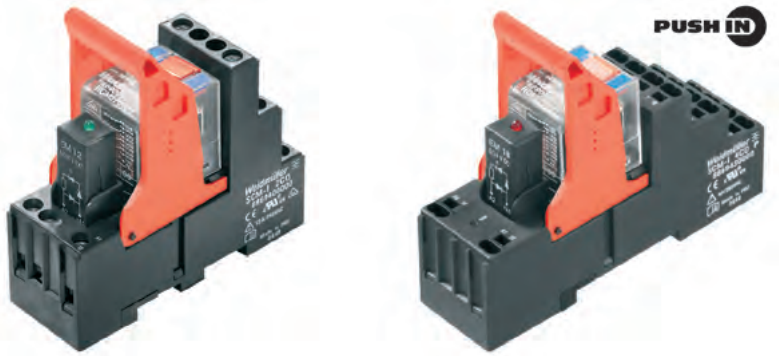
4 CO contacts, AC/ DC coil

Modular system comprising of:

- relay socket for rail mounting
- LED display unit (AC red / DC green)
- retaining clip
- pluggable relays with coil identification (AC red / DC blue)
- Markers

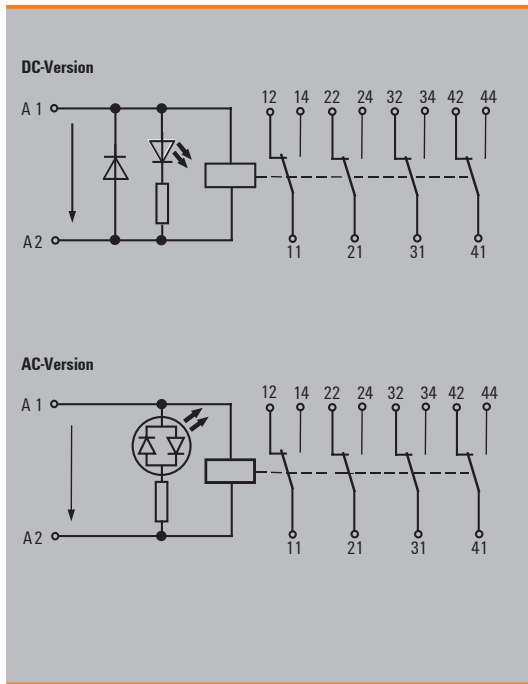
Independent of connection system:

- Screw or PUSH IN connection system



Technical data

Output		
Rated switching voltage	Continuous current	240 V AC 6 A
Max. switching voltage, AC		240 V
Making current		12 A / 20 ms
Min. switching power		100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power		1500 VA
Contact material		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
Rated data		
Ambient temperature (operational)		-40 °C...+70 °C
Storage temperature		-40 °C...+70 °C
Humidity		40 °C / 93 % rel. humidity, no condensation
Approvals		CE; GL; GOSTME25
Insulation coordination (EN 50178)		
Rated voltage		250 V
Impulse withstand voltage		5 kV (1.2/50 µs)
Dielectric strength input - output		2.5 kV _{eff}
Dielectric strength, contact / contact		
Dielectric strength to mounting rail		
Creepage and clearance distance input - output		≥ 4 mm
Surge voltage category		III
Pollution severity		2
Dimensions		
Clamping range (nominal / min. / max.)	Screw connection	2.5 / 0.5 / 2.5
	PUSH IN spring connection	1.5 / 0.75 / 1.5
Depth x width x height	mm	79 / 28 / 77
		79 / 28 / 98
Note		



Ordering data

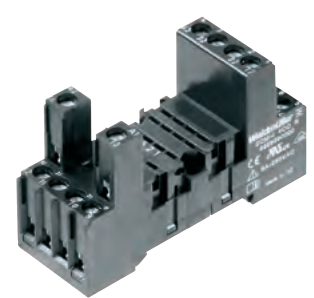
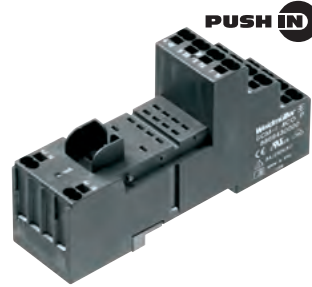
	24 V DC 4CO LED	24 V AC 4CO LED	115 V AC 4CO LED	230 V AC 4CO LED
Input				
Rated control voltage	24 V DC	24 V AC	115 V AC	230 V AC
Rated current AC / DC	/ 31.3 mA	41.6 mA	8.8 mA	4.3 mA
Power rating	740 mW	1.0 VA	1.0 VA	1.0 VA
AC response/dropout Volt		19.2 V / 7.2 V	92 V / 34.5 V	184.0 V / 69.0 V
DC response/dropout Volt	18.0 V / 2.4 V			
Status indicator	Green LED	red LED	red LED	red LED
Protective circuit	Integrated free-wheel diode			
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Ordering data				
Relay with socket				
Screw connection	Type	RCMKIT-I 24VDC 4CO LD	RCMKIT-I 24VAC 4CO LD	RCMKIT-I 115VAC 4CO LD
	Order No.	8921030000	8921040000	8921050000
PUSH IN connection	Type	RCMKITP-I 24VDC 4CO LD	RCMKITP-I 24VAC 4CO LD	RCMKITP-I 115VAC 4CO LD
	Order No.	8921120000	8921130000	8921140000
				RCMKITP-I 230VAC 4CO LD
				8921150000
Ordering data				
Spare relay (pluggable)				
	Type	RCM570024	RCM570524	RCM570615
	Order No.	8690200000	8690110000	1180800000
				RCM570730
				1181100000
Note				

Accessories for RCM KIT relay modules, 4 CO

Plug-in module with PUSH IN connection

Plug-in module with screw connection

Plug-in module with screw connection



Technical data

Rated current	6 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	12 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	1 x 0.75/1/1.5 mm ² / 2 x 0.75/1 mm ²
- Stranded wire	1 x 0.75/1/1.5 mm ² / 2 x 0.75/1 mm ²
- with ferrule	1 x 0.75/1 mm ² / 2 x 0.75 mm ²
Rated torque acc. to IEC 61984 for screw connection	
Plug-in cycles	A (10)

Rated current	6 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)

Rated current	6 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)

Rated current	6 A
Rated voltage	240 V AC
Dielectric strength of coil contacts	> 2500 V _{eff}
Ambient temperature (operational)	-45 °C ...+70 °C
Insulation group (VDE 0110b)	C / 250 V AC
Protection class (IEC 61810)	IP 20
Stripping length	8 mm
Approvals	VDE, cURus, CSA
Connection cross-section	
- Solid-core wire	2 x 2.5 mm ²
- Stranded wire	2 x 2.5 mm ²
- with ferrule	2 x 1.5 mm ²
Rated torque acc. to IEC 61984 for screw connection	0.5 Nm / max. 0.7 Nm
Plug-in cycles	A (10)

Ordering data

Description
Plug-in module, snaps onto TS35 DIN mounting rail, 4-pole

Type	Qty.	Order No.
SCM-I 4CO P		8869430000

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

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

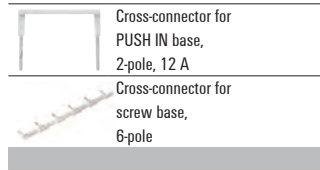
Accessories

Description
Plastic retaining clip
Plastic retaining clip
Metal retaining clip
Marker
Marker, Multicard

Type	Qty.	Order No.
SCM-I CLIP P	10	8869440000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/11 K MC neutral	200	1857440000
SCM-I QV P		8870850000

Type	Qty.	Order No.
SCM-I CLIP P	10	8869440000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/11 K MC neutral	200	1857440000

Type	Qty.	Order No.
SCM-I CLIP N	10	8875620000
SCM-I CLIP M	10	8869450000
SCM-I MARK	10	8869460000
ESG 9/11 K MC neutral	200	1857440000

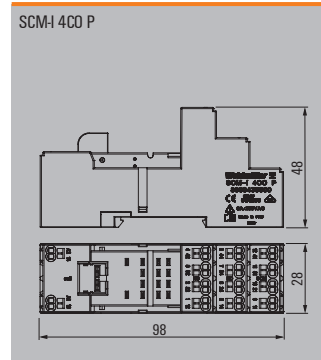


Type	Qty.	Order No.
SCM-I QV S		1132080000

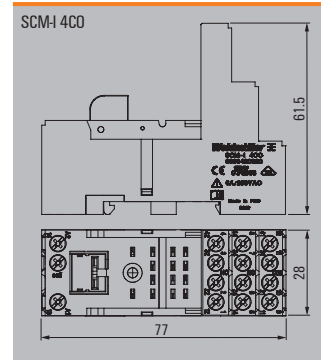
Type	Qty.	Order No.
SCM-I QV S		1132080000

Type	Qty.	Order No.
SCM-I QV S		1132080000

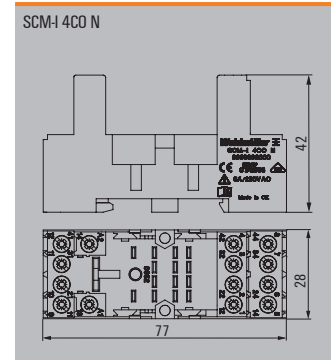
Dimensions



Dimensions



Dimensions



Dimensions in mm

RIDERSERIES – RCM KIT 4 CO accessories

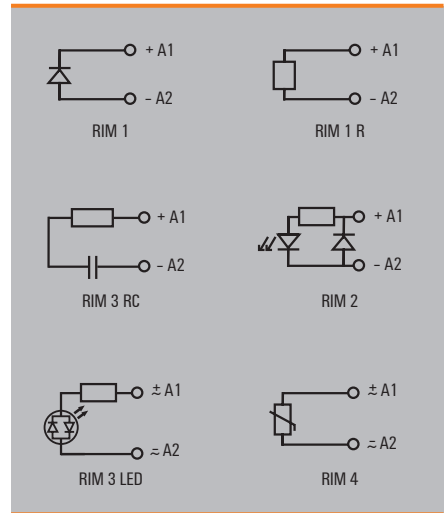
LED and protective modules for the SCM-I plug-in frame

Simply plug into the base module; reverse-connect protection. Connect parallel to coil.

Ordering data

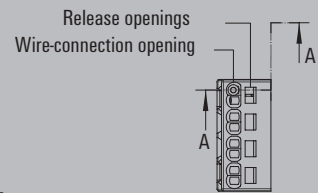
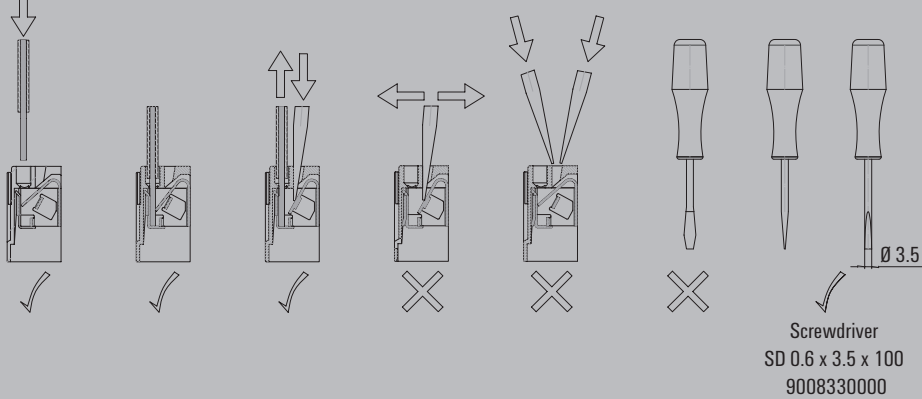
Description
Free Wheel diode 1N4007
Resistor 100 kΩ 1 Watt
RC element 6 ... 60 V AC; 470 Ω / 220 nF
RC element 110 ... 230 V AC; 4.7 Ω / 10 nF
Varistor protection 24 V; S07K30
Varistor protection 110 V; S07K130
Varistor protection 230 V; S07K275
LED
LED 6 ... 24 V DC with free wheel diode
LED 24 ... 60 V DC with free wheel diode
LED 110 ... 230 V DC with free wheel diode
LED 6 ... 24 V DC / V AC
LED 24 ... 60 V DC / V AC
LED 110 ... 230 V DC / V AC

Type	Qty.	Order No.	Order No.
RIM-I 1 6/230V	10	8869580000	
RIM-I 1 R 110/230V	10	8870830000	
RIM-I 3 6/60VAC	10	8869770000	
RIM-I 3 110/230VAC	10	8869790000	
RIM-I 4 24VUC	10	8869710000	
RIM-I 4 110VUC	10	8869730000	
RIM-I 4 230VUC	10	8869750000	
		red	green
RIM-I 2 6/24VDC	10	8869590000	8869600000
RIM-I 2 24/60VDC	10	8869670000	8869680000
RIM-I 2 110/230VDC	10	8869690000	8869700000
RIM-I 3 6/24VUC	10	8869630000	8869640000
RIM-I 3 24/60VUC	10	8869610000	8869620000
RIM-I 3 110/230VUC	10	8869650000	8869660000

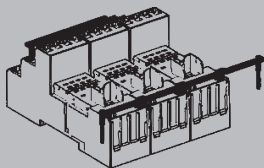


Warnings and notes on usage

Handling the PUSH IN connection

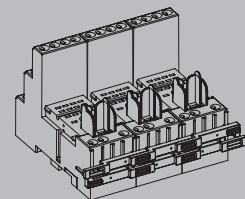


Cross-connector mounting for PUSH IN base



If more than two poles need to be connected with stacked cross-connector ridges, then the lower ridge must be stripped and shortened to the proper length so it will fit.

Cross-connector mounting for screw base



RCM relay

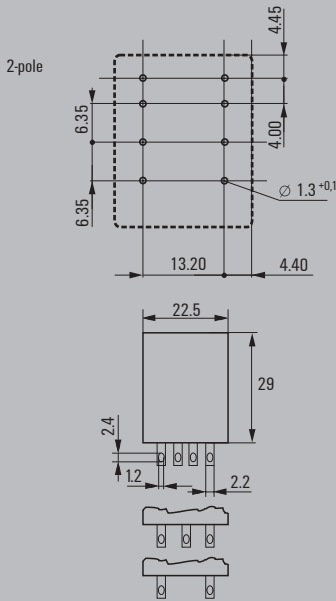
2 CO contacts, AC/DC coil

- 3000 VA switching capacity
- Solder and plug connection
- Safe-to-touch test button, selectable locking
- White labelling panel
- Identification of coils (AC red / DC blue)



B

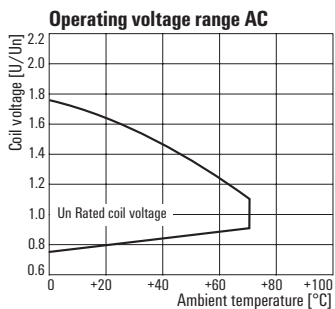
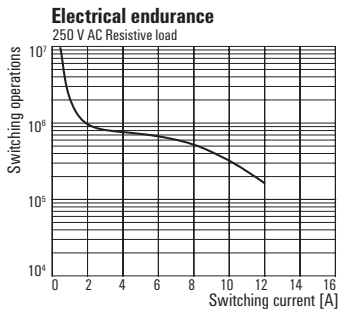
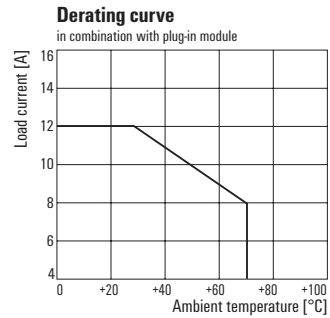
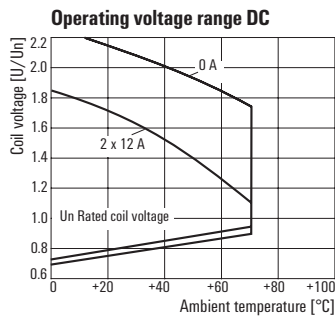
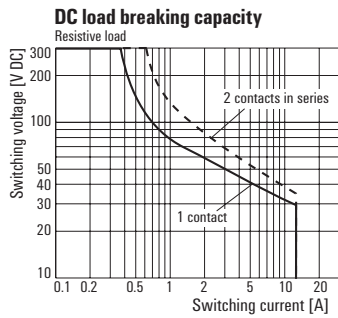
Circuit diagram
Dimensions in mm



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 12 A
Max. switching voltage, AC	400 V
Making current	24 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	3000 VA
Contact material	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
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 29 / 22.5 / 28
Plug-in connection	
Depth x width x height	mm 29 / 22.5 / 28
Note	

Applications



RCM relay
2 CO contacts, AC/DC coil

Type code	RCM				
Type	RIDER Control Multiple				
Contacts	2 2 CO contacts				
	3 3 CO contacts				
	5 4 CO contacts				
Contact material	7 AgNi 90/10, with test button				
	8 AgNi 90/10 hgp, with test button				
Type of construction	0 Standard, 2.8 mm Faston				

DC coil												
006	6 V DC	L06								with LED + diode		
012	12 V DC	L12										
024	24 V DC	L24										
048	48 V DC	L48										
060	60 V DC	L60										
110	110 V DC	M10									BBO	
220	220 V DC	N20										
AC coil												
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										

Industrial relay modules

B

Ordering data

Input		12 V DC 2CO	24 V DC 2CO	48 V DC 2CO	110 V DC 2CO
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	
Power rating		750 mW	750 mW	750 mW	750 mW
AC response/dropout Volt					
DC response/dropout Volt		9.0 V / 1.2 V	18.0 V / 2.4 V	36.0 V / 4.8 V	82.5 V / 11.0 V
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay					
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 + freewheel diode	Type	RCM270AB2	RCM270AC4	RCM270AE8	RCM270BB0
AgNi 90/10	Order No.	8957020000	8957030000	8957040000	8957050000
	Type				
	Order No.				

Note

Ordering data

Input		24 V AC 2CO	48 V AC 2CO	115 V AC 2CO	230 V AC 2CO
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
AC response/dropout Volt		38.4 V / 14.4 V	48.0 V / 18.0 V	92.0 V / 34.5 V	184.0 V / 69.0 V
DC response/dropout Volt					
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay					
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

RCM relay

3 CO contacts, AC/DC coil

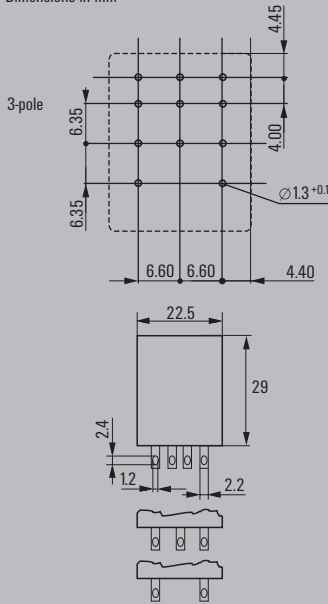
- 2500 VA switching capacity
- Solder and plug connection
- Safe-to-touch test button, selectable locking
- White labelling panel
- Identification of coils (AC red / DC blue)



B

Circuit diagram

Dimensions in mm

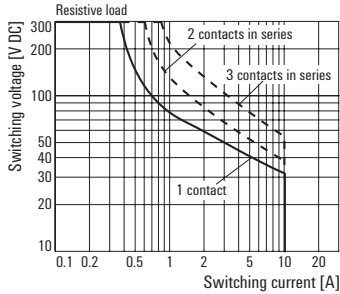


Technical data

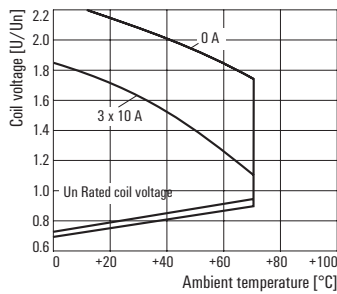
Output	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Making current	20 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2500 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 20 x 10 ⁶ Switch. cycles, DC coil 30 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 29 / 22.5 / 28
Plug-in connection	
Depth x width x height	mm 29 / 22.5 / 28
Note	

Applications

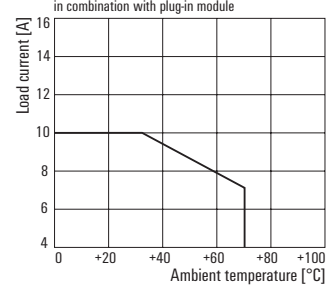
DC load breaking capacity



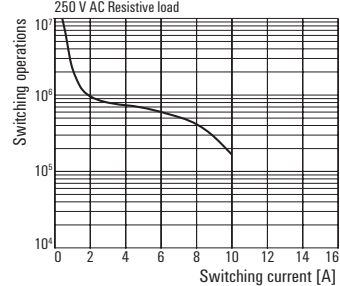
Operating voltage range DC



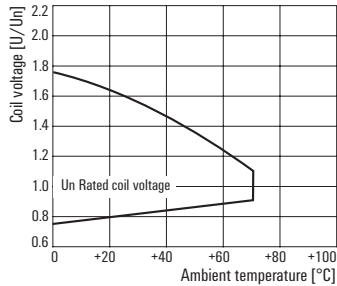
Derating curve



Electrical endurance



Operating voltage range AC



RCM relay
3 CO contacts, AC/DC coil

Type code		RCM								with LED + diode
Type	RIDER Control Multiple									
Contacts	2 2 CO contacts									
	3 3 CO contacts									
	5 4 CO contacts									
Contact material										
	7 AgNi 90/10, with test button									
	8 AgNi 90/10 hgp, with test button									
Type of construction										
	0 Standard, 2.8 mm Faston									
DC coil										
	006 6 V DC									L06
	012 12 V DC									L12 AB2
	024 24 V DC									L24 AC4
	048 48 V DC									L48 AE8
	060 60 V DC									L60
	110 110 V DC									M10 BBO
	220 220 V DC									N20
AC coil										
	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

Ordering data

		12 V DC 3CO	24 V DC 3CO	48 V DC 3CO	110 V DC 3CO
Input					
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
AC response/dropout Volt					
DC response/dropout Volt		9.0 V / 1.2 V	18.0 V / 2.4 V	36.0 V / 4.8 V	82.5 V / 11.0 V
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Ordering data Relay					
Without LED	Type	RCM370012	RCM370024	RCM370048	RCM370110
AgNi 90/10	Order No.	8690020000	8690040000	8690060000	8690080000
With LED + freewheel diode	Type	RCM370AB2	RCM370AC4	RCM370AE8	RCM370BB0
AgNi 90/10	Order No.	8957090000	8957100000	8957110000	8957120000
	Type				
	Order No.				
	Type				
	Order No.				
Note					

Ordering data

		24 V AC 3CO	48 V AC 3CO	115 V AC 3CO	230 V AC 3CO
Input					
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
AC response/dropout Volt		19.2 V / 7.2 V	38.4 V / 14.4 V	92.0 V / 34.5 V	184.0 V / 69.0 V
DC response/dropout Volt			165 V / 22 V		
Output					
Switch-on delay		≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay		≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Ordering data Relay					
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					

RCM relay

4 CO contacts, AC/DC coil

- 1500 VA switching capacity
- Solder and plug connection
- AC/DC versions also with gold-plated contacts
- Safe-to-touch test button, selectable locking
- White labelling panel
- Identification of coils (AC red / DC blue)

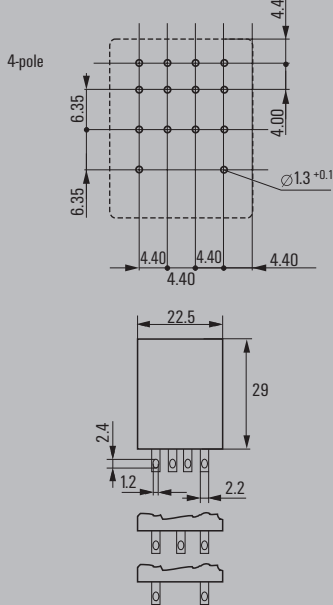


Technical data

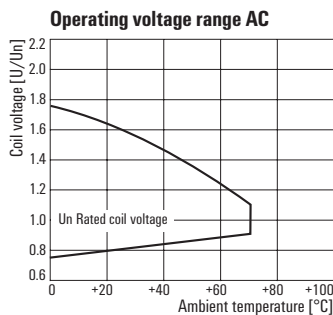
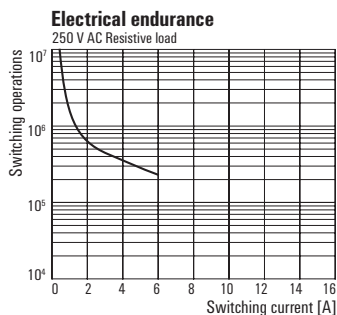
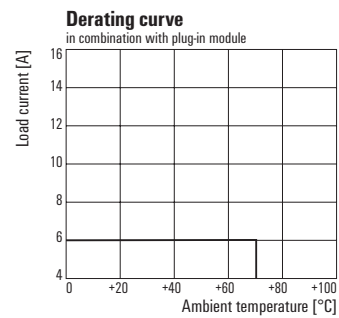
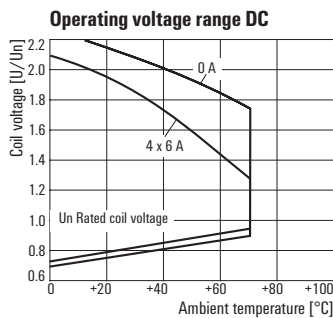
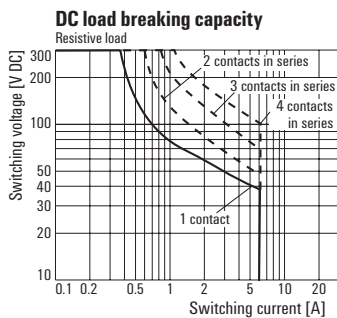
Output	
Rated switching voltage / Continuous current	240 V AC / 6 A
Max. switching voltage, AC	240 V
Making current	12 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	1500 VA
Contact material	AgNi 90/10
Mechanical service life	AC coil 20 x 10 ⁶ Switch. cycles, DC coil 30 x 10 ⁶ Switch. cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 29 / 22.5 / 28
Plug-in connection	
Depth x width x height	mm 29 / 22.5 / 28
Note	

Circuit diagram

Dimensions in mm



Applications



RCM relay

4 CO contacts, AC/DC coil

Type code		RCM							
Type	RIDER Control Multiple								
Contacts	2 2 CO contacts								
	3 3 CO contacts								
	5 4 CO contacts								
Contact material	7 AgNi 90/10, with test button								
	8 AgNi 90/10 hgp, with test button								
Type of construction	0 Standard, 2.8 mm Faston								
DC coil									
006	6 V DC								with LED + diode
012	12 V DC								L06
024	24 V DC								L12 AB2
048	48 V DC								L24 AC4
060	60 V DC								L48 AE8
110	110 V DC								L60
220	220 V DC								L110 M10 BBO
AC coil									
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

Ordering data

Input	12 V DC 4CO	24 V DC 4CO	48 V DC 4CO	110 V DC 4CO
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	
Power rating	750 mW	750 mW	750 mW	750 mW
AC response/dropout Volt				
DC response/dropout Volt	9 V / 1.2 V	18 V / 2.4 V	36 V / 4.8 V	82.5 V / 11 V
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay	12 V DC 4CO	24 V DC 4CO	48 V DC 4CO	110 V DC 4CO
Without LED	Type RCM570012	Type RCM570024	Type RCM570048	Type RCM570110
AgNi 90/10	Order No. 8054360000	Order No. 8690200000	Order No. 8074670000	Order No. 8074700000
with LED	Type RCM570L12	Type RCM570L24	Type RCM570L48	Type RCM570M10
AgNi 90/10	Order No. 8690180000	Order No. 8690220000	Order No. 8690230000	Order No. 8690240000
Without LED	Type RCM580012	Type RCM580024	Type RCM580048	
AgNi 5µm Au	Order No. on request	Order No. 8694460000	Order No. on request	
With LED + freewheel diode	Type RCM570AB2	Type RCM570AC4	Type RCM570AE8	Type RCM570BBO
AgNi 90/10	Order No. 8957160000	Order No. 8957170000	Order No. 8957180000	Order No. 8957190000

Note

Ordering data

Input	24 V AC 4CO	48 V AC 4CO	115 V AC 4CO	230 V AC 4CO
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
AC response/dropout Volt	19.2 V / 7.2 V	38.4 V / 14.4 V	92 V / 34.5 V	184 V / 69 V
DC response/dropout Volt				
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay	24 V AC 4CO	48 V AC 4CO	115 V AC 4CO	230 V AC 4CO
Without LED	Type RCM570524	Type RCM570548	Type RCM570615	Type RCM570730
AgNi 90/10	Order No. 8690110000	Order No. 1180900000	Order No. 1180800000	Order No. 1181100000
with LED	Type RCM570R24	Type RCM570R48	Type RCM570S15	Type RCM570T30
AgNi 90/10	Order No. 8690120000	Order No. 8690130000	Order No. 8690150000	Order No. 8690160000
Without LED	Type RCM580524		Type RCM580615	Type RCM580730
AgNi 5µm Au	Order No. 7940008171		Order No. 8824860000	Order No. 7940007637
	Type			
	Order No.			

Note

RIDERSERIES – relay modules

RRD relay

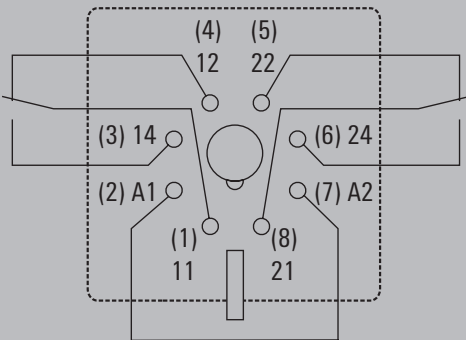
2 CO contacts, AC/DC coil

- 2 CO contacts
- 2500 VA switching capacity
- Mechanical operating display
- Safe-to-touch test button, selectable locking



B

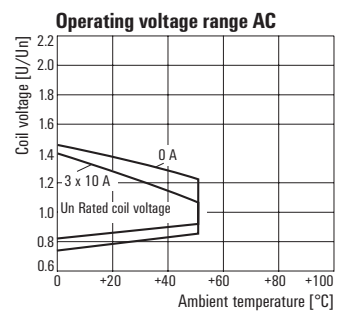
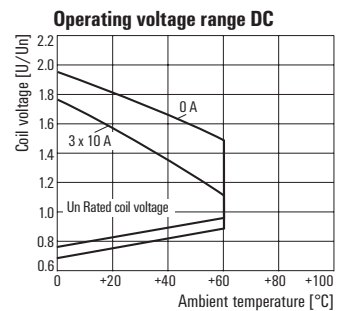
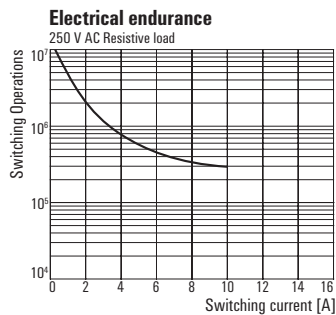
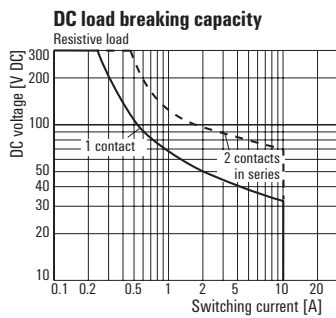
Circuit diagram
View of connections



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Making current	20 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2500 VA
Contact material	AgNi 90/10
Mechanical service life	20 x 10 ⁶ switching cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+60 °C
Storage temperature	-40 °C...+60 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	2.5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≤ 3 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 57 / 35.5 / 35.5
Plug-in connection	
Depth x width x height	mm 57 / 35.5 / 35.5
Note	

Applications



RRD relay
2 CO contacts, AC/DC coil

Type code	RRD					
Type	RIDER Round					
Contacts	2 2 change-over contacts, 8-pole 3 3 change-over contacts, 11-pole					
Contact material	2 AgNi 90/10					
Type of construction	1 DC coil with test button 3 DC coil with test button and bi-polar LED 6 AC coil with test button 8 AC coil with test button and bi-polar LED					
DC coil	006	6 V DC				
	012	12 V DC				
	024	24 V DC				OC4
	048	48 V DC				OE8
	060	60 V DC				OG0
	110	110 V DC				1B0
	220	220 V DC				2C0
AC coil	006	6 V AC				
	012	12 V AC				
	024	24 V AC				
	048	48 V AC				
	115	115 V AC				
	230	230 V AC				

Ordering data

	24 V AC 2C0	115 V AC 2C0	230 V AC 2C0	48 V DC 2C0
Input				
Rated control voltage	24 V AC	115 V AC	230 V AC	48 V DC
Rated current AC / DC	94.2 mA	20.6 mA	10.1 mA	
Power rating	2.3 VA	2.3 VA	2.3 VA	1.2 W
AC response/dropout Volt	19.2 V / 7.2 V	92.0 V / 34.5 V	184 V / 92 V	
DC response/dropout Volt				36.0 V / 4.8 V
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 μs
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay	24 V AC 2C0	115 V AC 2C0	230 V AC 2C0	48 V DC 2C0
w. test button	RRD226024	RRD226115	RRD226230	
AgNi 90/10	8690270000	8690310000	8690330000	
With test button + LED	RRD228024	RRD228115	RRD228230	RRD223048
AgNi 90/10	8690280000	8690320000	8690340000	8690400000

Note				
-------------	--	--	--	--

Ordering data

	24 V DC 2C0
Input	
Rated control voltage	24 V DC
Rated current AC / DC	/ 50.5 mA
Power rating	1.2 W
AC response/dropout Volt	
DC response/dropout Volt	18 V / 2.4 V
Output	
Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms

Ordering data

Relay	24 V DC 2C0
w. test button	RRD221024
AgNi 90/10	8690370000
With test button + LED	RRD223024
AgNi 90/10	8690380000

Note	
-------------	--

RRD relay

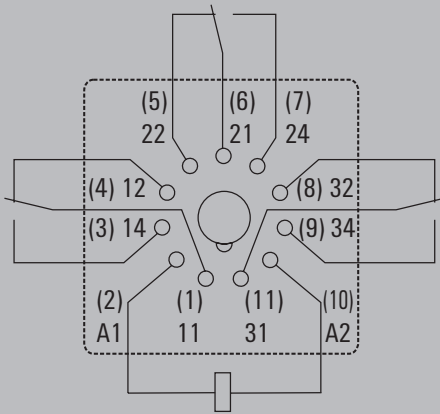
3 CO contacts, AC/DC coil

- 3 CO contacts
- 500 VA switching capacity
- Mechanical operating display
- Safe-to-touch test button, selectable locking



B

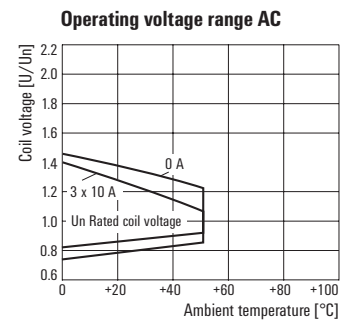
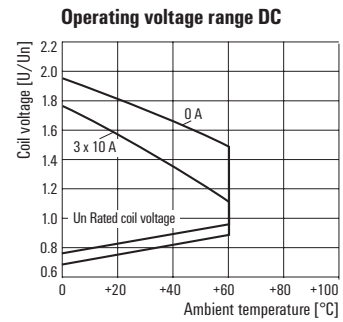
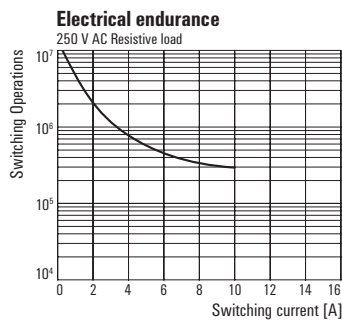
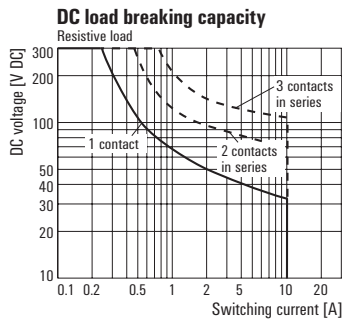
Circuit diagram
View of connections



Technical data

Output	
Rated switching voltage / Continuous current	240 V AC / 10 A
Max. switching voltage, AC	400 V
Making current	20 A / 20 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching power	2500 VA
Contact material	AgNi 90/10
Mechanical service life	20 x 10 ⁶ switching cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-40 °C...+60 °C
Storage temperature	-40 °C...+60 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	2.5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≤ 3 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 57 / 35.5 / 35.5
Plug-in connection	
Depth x width x height	mm 57 / 35.5 / 35.5
Note	

Applications



RRD relay
3 CO contacts, AC/DC coil

Type code	RRD				
Type	RIDER Round				
Contacts	2 2 change-over contacts, 8-pole 3 3 change-over contacts, 11-pole				
Contact material	2 AgNi 90/10				
Type of construction	1 DC coil with test button 3 DC coil with test button and bi-polar LED 6 AC coil with test button 8 AC coil with test button and bi-polar LED				
DC coil	006	6 V DC			
	012	12 V DC			
	024	24 V DC			OC4
	048	48 V DC			OE8
	060	60 V DC			OG0
	110	110 V DC			1B0
	220	220 V DC			2C0
AC coil	006	6 V AC			
	012	12 V AC			
	024	24 V AC			
	048	48 V AC			
	115	115 V AC			
	230	230 V AC			

Ordering data

	12 V DC 3CO	24 V DC 3CO	110 V DC 3CO	220 V DC 3CO
Input				
Rated control voltage	12 V DC	24 V DC	110 V DC	220 V DC
Rated current AC / DC		/ 50.5 mA	/ 11 mA	/ 5.5 mA
Power rating	1.2 W	1.2 W	1.2 W	1.2 W
AC response/dropout Volt				
DC response/dropout Volt	9 V / 1.2 V	18 V / 2.4 V	82.5 V / 11.5 V	165 V / 22 V
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay					
w. test button	Type	RRD321012	RRD321024	RRD321110	RRD321220
	Order No.	879030000	8690610000	8690650000	7940007742
With test button + LED	Type		RRD323024	RRD323110	RRD323220
	Order No.		8690620000	8690660000	8798610000
w. test button	Type		RRD3210C4	RRD3211B0	RRD3212C0
+ Free-wheel diode	Order No.		8797650000	8797640000	8797610000
With test button + LED	Type		RRD3230C4		RRD3232C0
+ Free-wheel diode	Order No.		7940007732		8829400000

Note

Ordering data

	24 V AC 3CO	48 V AC 3CO	115 V AC 3CO	230 V AC 3CO
Input				
Rated control voltage	24 V AC	48 V AC	115 V AC	230 V AC
Rated current AC / DC	94.2 mA	47.5 mA	20.6 mA	10.1 mA
Power rating	2.3 VA	2.3 VA	2.3 VA	2.3 VA
AC response/dropout Volt	19.2 V / 7.2 V	38.4 V / 14.4 V	92.0 V / 34.5 V	184 V / 92 V
DC response/dropout Volt				
Output				
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay					
w. test button	Type	RRD326024	RRD326048	RRD326115	RRD326230
	Order No.	8690450000	8690470000	8690550000	8690570000
With test button + LED	Type	RRD328024	RRD328048	RRD328115	RRD328230
	Order No.	8690460000	8690480000	8690560000	8690580000
	Type				
	Order No.				
	Type				
	Order No.				

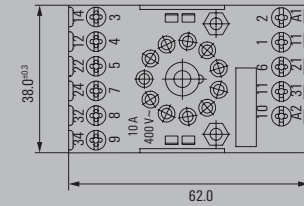
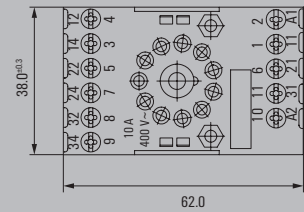
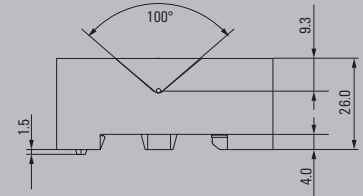
Note

Accessories for RRD relay modules

Plug-in module with screw connection



Dimensions in mm



Technical data

Contact data

Nominal current	10 A
Nominal voltage	400 V AC
Dielectric strength, coil/contacts	>2500 V _{eff}
Ambient temperature	-20 °C ... + 80 °C
Ingress protection class (IEC 61810)	IP 20
Approvals	cURus
Connection cross-section / with ferrule	2 x 2.5 mm ² / 2 x 1.5 mm ²
Terminal torque	0.5 / 0.7 Nm
Humidity	40 °C/93 rel. humidity, no condensation

Ordering data

Description	Type	Qty.	Order No.
Plug-in module with screw connections, 8-pole	SRD-I 2CO	10	8869360000
Plug-in module with screw connections, 11-pole	SRD-I 3CO	10	8869350000

Accessories

Description	Type	Order No.
End bracket	WEW 35/2	1061200000
Screwdriver	SD 0.6/3.5/100	9008330000
Metal retaining clip, RRD	SRD-I CLIP M	8869370000

RIDERSERIES – relay modules

RPW relay

- 2 CO contacts, AC/ DC coil**
- 3 CO contacts, AC/ DC coil**

- 6000 VA switching capacity
- Mechanical operating display
- With and without test button

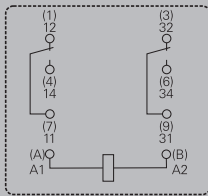


B

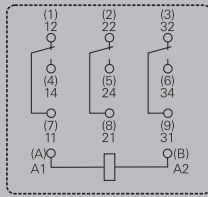
Circuit diagram

View of connections

2 changeover contacts



3 changeover contacts

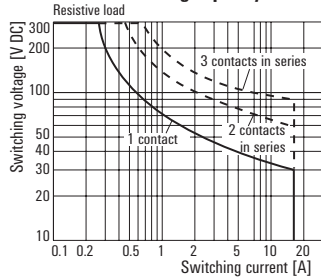


Technical data

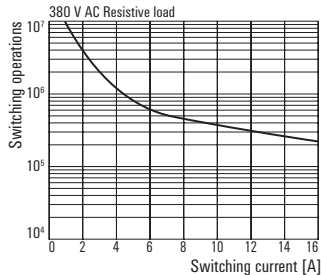
Output	
Rated switching voltage / Continuous current	400 VAC / 16 A
Max. switching voltage, AC	440 V
Making current	40 A / 20 ms
Min. switching power	24 V / 100 mA
Max. switching power	6000 VA
Contact material	AgCdO
Mechanical service life	20 x 10 ⁶ switching cycles
Max. switching frequency at rated load	0.1 Hz
Rated data	
Ambient temperature (operational)	-45 °C...+60 °C
Storage temperature	-40 °C...+60 °C
Humidity	40 °C / 93 % rel. humidity, no condensation
Approvals	CSA; cURus; GOSTME25; VDE
Insulation coordination (EN 50178)	
Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength input - output	2.5 kV _{eff}
Dielectric strength, contact / contact	2.5 kV _{eff}
Dielectric strength to mounting rail	
Creepage and clearance distance input - output	≥ 4 mm
Surge voltage category	III
Pollution severity	2
Dimensions	
Depth x width x height	mm 48.5 / 38.5 / 35.5
Plug-in connection	
Depth x width x height	mm 48.5 / 38.5 / 35.5
Note	

Applications

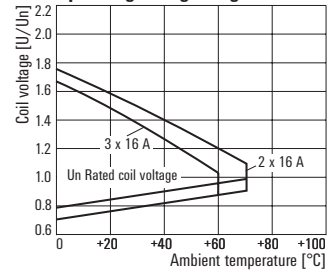
DC load breaking capacity



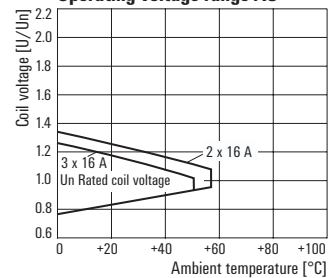
Electrical endurance



Operating voltage range DC



Operating voltage range AC



RPW relay
2 CO contacts, AC/ DC coil
3 CO contacts, AC/ DC coil

Type code		RPW				
Typ	RIDER PoWer					
Contacts	2 2 change-over contacts 7 3 change-over contacts					
Type of construction						
0 Without test button						
3 With test button						
Housing						
2 Cap without lug, 4.8 mm Faston						
5 Cap with lug, 6.3 mm Faston						
DC coil						
006 6 V DC						
012 12 V DC						
024 24 V DC						
048 48 V DC						
060 60 V DC						
110 110 V DC						
AC coil						
506 6 V AC						
512 12 V AC						
524 24 V AC						
548 48 V AC						
615 115 V AC						
730 230 V AC						

Ordering data

	24 V DC 2CO	24 V AC 2CO	230 V AC 2CO
Input			
Rated control voltage	24 V DC	24 V AC	230 V AC
Rated current AC / DC	/ 50.5 mA	94.2 mA	10.1 mA
Power rating	1.2 W	2.3 VA	2.3 VA
AC response/dropout Volt		19.2 V / 9.6 V	184 V / 69 V
DC response/dropout Volt	18 V / 2.4 V		
Output			
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay		24 V DC 2CO	24 V AC 2CO	230 V AC 2CO
w.o. test button	Type	RPW202024	RPW202524	RPW202730
AgCdO	Order No.	8690730000	on request	8690720000
	Type			
	Order No.			
	Type			
	Order No.			
	Type			
	Order No.			

Note

Ordering data

	24 V DC 3CO	24 V AC 3CO	230 V AC 3CO
Input			
Rated control voltage	24 V DC	24 V AC	230 V AC
Rated current AC / DC	/ 69.6 mA	109.2 mA	11.7 mA
Power rating	1.6 W	2.8 VA	2.8 VA
AC response/dropout Volt		19.2 V / 7.2 V	184 V / 69 V
DC response/dropout Volt	18 V / 2.4 V		
Output			
Switch-on delay	≤ 15 ms	≤ 15 ms	≤ 15 ms
Switch-off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms

Ordering data

Relay		24 V DC 3CO	24 V AC 3CO	230 V AC 3CO
w.o. test button	Type	RPW702024	RPW702524	RPW702730
AgCdO	Order No.	8690760000	8690740000	8690750000
	Type			
	Order No.			
	Type			
	Order No.			
	Type			
	Order No.			

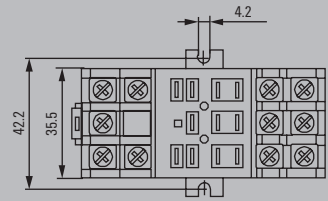
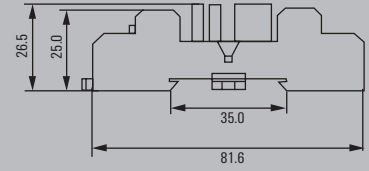
Note

Accessories for RPW

Plug-in module with screw connection



Dimensions in mm



Technical data

Contact data	
Nominal current	16 A
Nominal voltage	250 V AC
Dielectric strength, coil/contacts	>2500 Vms
Ambient temperature (operational)	-40 °C ...+40 °C
Terminal torque	0.8 Nm
max.	1.2 Nm
Humidity	40 °C/93 rel. humidity, no condensation

Ordering data

Description	Type	Qty.	Order No.
Plug-in module with screw connections	SPW 3C0	25	8697680000

Accessories

Description	Type	Order No.
End bracket	WEW 35/2	1061200000
Screwdriver	SD 0,6/3,5/100	9008330000

Signal monitoring in safety-critical circuits

Coupling relays with positively driven contacts

Weidmüller has expanded the RIDERSERIES to include a relay variant with force-guided contacts. Relays with force-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 melts from an overload). The controller (or safety controller) detects the alert contact and then compares the set point and actual values. If a difference occurs, measures can then be taken to protect equipment and human life.

Resistant to vibration

A metal clip ensures that the relay module remains secure even under vibration / mechanical shock conditions.



A variety of connection options

The base is available either with the proven screw clamp connection or the time saving tension clamp connection.



Convenient

Relay modules can be replaced quickly in the event of a fault without removing the connecting cable.

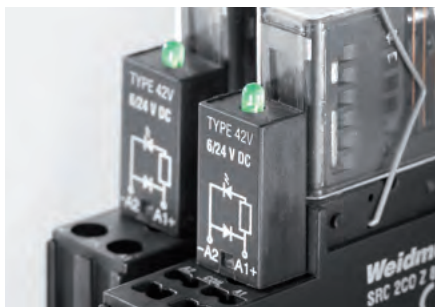
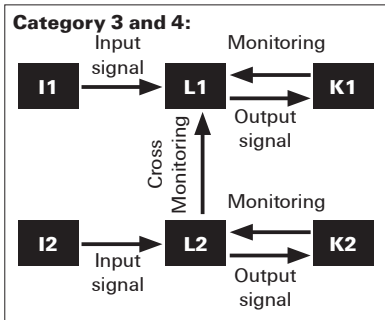


On site diagnostics

An easy to view LED display module with an integrated free wheeling diode is used to protect the series connected electronics.

Safety-based output relay controls

By connecting two coupling relays together with a safety based controller or safety switching devices, it is possible to set up a safe and efficient control mechanism that complies with the structure specified in EN ISO 13849-1 (Category 3 and 4).



RIDERSERIES FG – relay modules

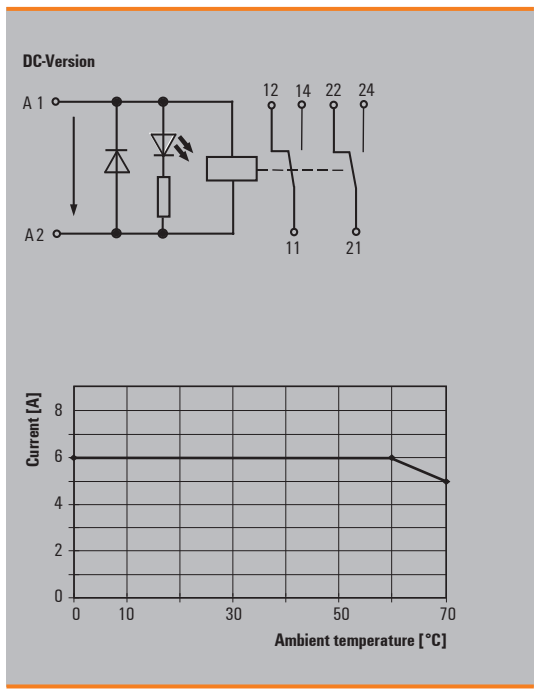
RCI KIT with forcibly guided contacts

2 CO DC coil

- Modular system comprising of:
- Relay socket for rail mounting
 - LED indicator unit
 - Retaining clip
 - Pluggable relay modules
 - Markers



B



Technical data

Output		
Rated switching voltage / Continuous current	250 V AC / 6 A	
Max. switching voltage, AC	250 V	
Making current	15 A / 20 ms	
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	
Max. switching power	1500 VA	
Contact material	AgCuNi	
Mechanical service life	> 50 x 10 ⁶ switching cycles	
Max. switching frequency at rated load	20 Hz	
Rated data		
Ambient temperature (operational)	-40 °C...+70 °C	
Storage temperature	-40 °C...+85 °C	
Humidity	40 °C / 95 % rel. humidity, no condensation	
Approvals	CE	
Insulation coordination (EN 50178)		
Rated voltage	250 V	
Impulse withstand voltage		
Dielectric strength input - output	5 kV _{eff} / 1 min	
Dielectric strength, contact / contact	4 kV _{eff} / 1 min	
Dielectric strength to mounting rail		
Creepage and clearance distance input - output	≥ 10 mm	
Surge voltage category	III	
Pollution severity	3	
Dimensions		
	Screw connection	Tension clamp connection
Clamping range (nominal / min. / max.)	mm ² 2.5 / 0.5 / 2.5	1.5 / 0.5 / 1.5
Depth x width x height	mm 62 / 15.5 / 77	63.2 / 16 / 97
Note		

Ordering data		24 V DC 2CO LED
Input		
Rated control voltage		24 V DC
Rated current AC / DC		/ 35.8 mA
Power rating		0.82 W
AC response/dropout Volt		
DC response/dropout Volt		18 V / 2.4 V
Status indicator		Green LED
Protective circuit		Integrated free-wheel diode
Output		
Switch-on delay		≤ 12 ms
Switch-off delay		≤ 6 ms
Ordering data		
Screw connection	Type	RCIKIT 24VDC 2CO LD/FG
	Order No.	1218410000
Tension clamp connection	Type	RCIKITZ 24VDC 2CO LD/FG
	Order No.	1218390000
Ordering data		
Spare relay		
	Type	RCI42424FG
	Order No.	1218380000
Note		