

CHA1

1 pole | changeover contact | auxiliary contact

Main circuit

Available contact materials
Maximum contact load
Recommended minimum contact load
Rated load
Inrush current
AC load
DC load
Mechanical endurance (cycles)
Electrical endurance at rated load AC-1 (cycles)

Power contact

AgSnO ₂
10 A / 250 V AC-1
10 mA / 12 V
10 A
15 A, 20 ms
2500 VA
250 W
≥ 10 000 000
≥ 100 000

Signal contact

AgNi
0.3 A / 30 V DC-1
1 mA / 6V
0.3 A
0.5 A, 20 ms
9 VA
—
≥ 1 000
≥ 1 000

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.8 U _N ... 1.1 U _N
Pick-up voltage	≤ 0.8 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC / DC	0.75 VA / 0.5 W

Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / coil	3 kV / 1 min
Pollution degree	3
Overvoltage category	III

General data

Ambient temperature storage (no ice)	-25 ... 85 °C
Ambient temperature operation	-10 ... 50 °C
Pick-up time / bounce time	10 ms / 2 ms
Release time / bounce time	12 ms / 2 ms
Conductor cross section screw terminal	2.5 mm ²
Protection degree	IP 20
Mounting	TH 35 (EN 60715)
Dimension	fig. 3.
Weight	42 g
Housing material	PA

Product reference

Description	Type	24
AC / DC	CHA1/UC...V	✓

«...» List coil voltage to complete product references

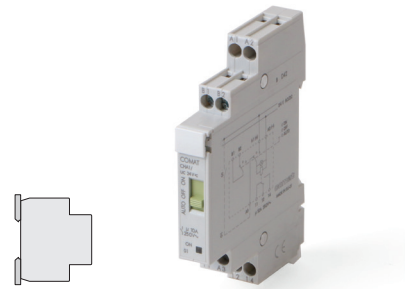


fig. 1. Wiring diagram

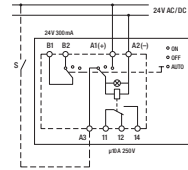
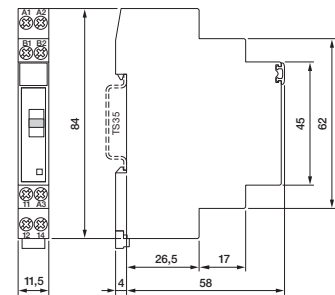


fig. 2. Function table

Green ON-OFF-switch	Control input A3	Relay / LED	Check back contact
AUTO	1	1	1
	0	0	1
ON	-	1	0
OFF	-	0	0

fig. 3. Dimension (mm)



Technical approvals, conformities

Standards IEC/EN 61810-1

Approvals

CRINT Product Key

1		2	3	4	5	6		7	8
CRINT	-	C	1	3	1	R	/	UC	24V

1. Product family

CRINT

2. Type

C = Combined version (Socket and Relay)

3. Contact

- 1 = One change-over contact
- 2 = Two change-over contact

4. Connection type

- 1 = Screw terminal
- 2 = Cage clamp terminal
- 3 = Push-in

5. Output

- 1 = AgSnO₂
- 2 = AgSnO₂ + 3μ Au
- 3 = AgNi
- 5 = NO / Solid-state DC
- 8 = NO / Solid-state AC

6. Options

- = Standard version
- R = Railway version

7. Supply voltage

- UC = AC/DC
- DC = Only for C1x5 and C1x8

8. Nominal voltage

12V, 24V, 48V, 60V, 110-125V, 220-240V

RELAY Only

1		2	3	4	5
CRINT	-	R	11	DC	12V

1. Product family

CRINT

2. Type

R = Relay

3. Contact

- 11 = 1x AgSnO₂
- 12 = 1x AgSnO₂ + 3μ Au
- 15 = NO / Solid-state DC
- 18 = NO / Solid-state AC
- 21 = 2x AgSnO₂
- 22 = 2x AgNi + 3μ Au
- 23 = 2x AgNi

4. Control voltage

DC

5. Rated control voltage

12 V, 24 V, 48 V, 60 V*

*60 V Relay used for all sockets with a nominal voltage higher or equal 60V

CRINT-C1xx & CINT-C5x/C6x

Dimension (mm)

