

CRINT-C1x1

1 pole | changeover contact

Main circuit

Available contact materials	AgSnO ₂
Recommended minimum contact load	10 mA / 5 V
Maximum contact load AC	6A / 250 V AC-1
Maximum contact load DC	6A / 30 V DC-1
Rated current	6 A
Inrush current	15 A, 2.5 ms
AC load	1500 VA
DC load	fig. 3.
Mechanical endurance (cycles)	≥ 1 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 10 000

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.8 U _N ... 1.25 U _N
Pick-up voltage	≤ 0.8 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC / DC	0.9 VA / 0.4 W

Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / coil	6 kV / 1 min
Pollution degree	3
Overvoltage category	III

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-40 ... 70 °C
Pick-up time / bounce time	7 ms / ≤ 8 ms
Release time / bounce time	15 ms / ≤ 4 ms
Conductor cross section screw terminal	2.5 mm ²
Conductor cross section spring cage	0.75 ... 2.5 mm ²
Protection degree	IP 20
Mounting	TH 35 (EN 60715)
Dimension	fig. 4.
Weight	30 g
Housing material	PA

Product reference

Description	Type	12	24	48	60	110-125	220-240
Screw terminal	CRINT-C111/UC...V	✓	✓	✓	✓	✓	✓
Cage clamp terminal	CRINT-C121/UC...V	✓	✓	✓	✓	✓	✓
Push-in	CRINT-C131/UC...V	✓	✓	✓	✓	✓	✓

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

Accessories

Jumper link	blue:	CRINT-BR20-BU (BAG 5 PCS)
	red:	CRINT-BR20-RD (BAG 5 PCS)
	black:	CRINT-BR20-BK (BAG 5 PCS)
Label plate		CRINT-LAB (BAG 4x16 PCS)
Spacer		CRINT-SEP (BAG 5 PCS)
Label strip (for push-in only)		BS11-PI (50m)

Replacement relays

Description	Type	12	24	48	60 *
DC	CRINT-R11/DC...V	✓	✓	✓	✓

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

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

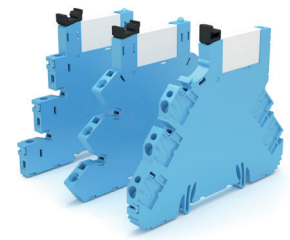


fig. 1. Wiring diagram

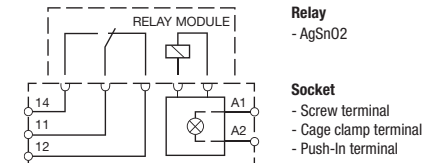


fig. 2 AC voltage endurance

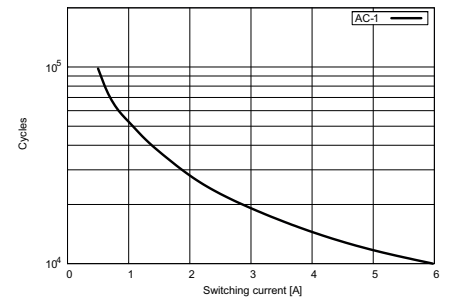


fig. 3 DC load limit curve

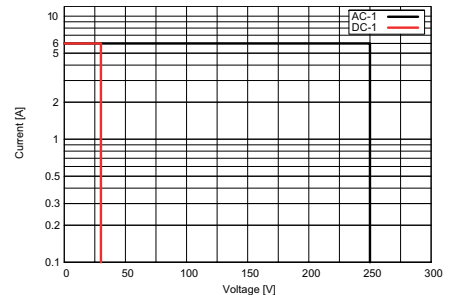
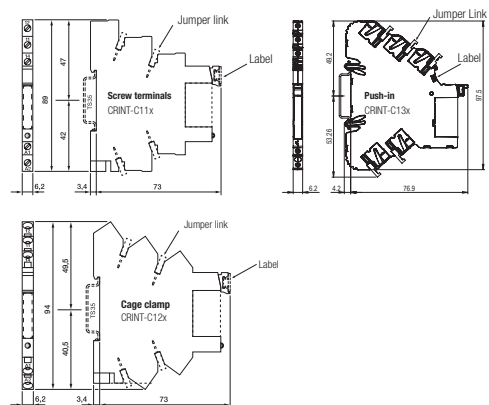


fig. 4. Dimension (mm)



Technical approvals, conformities

Standards IEC/EN 61810-1

Approvals

CRINT-C111 & CRINT-C121 only

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

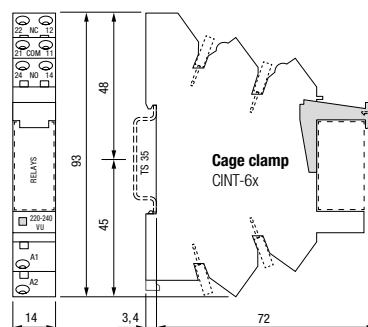
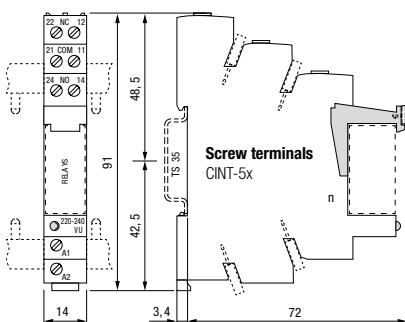
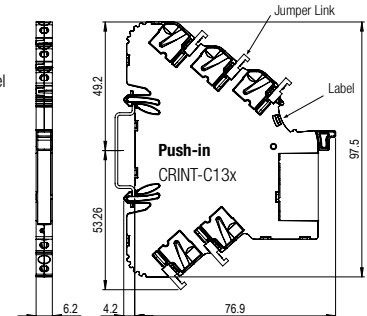
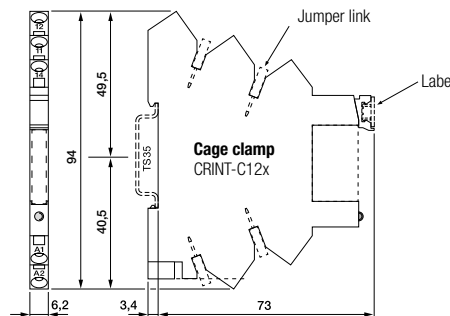
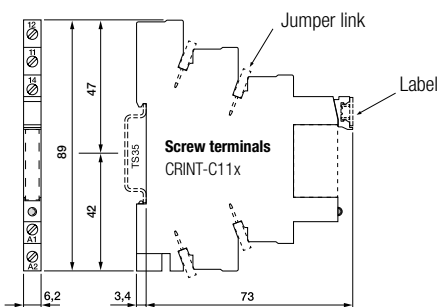
5. Rated control voltage

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

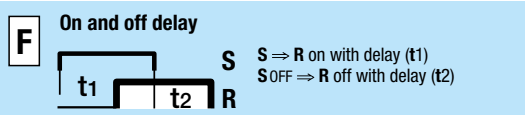
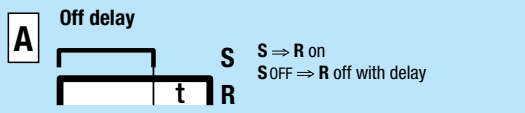
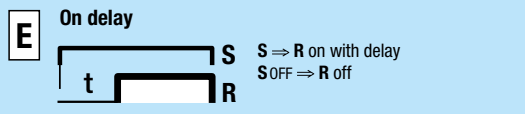
*60 V Relay used for all sockets with a nominal voltage higher or equal 60V

CRINT-C1xx & CINT-C5x/C6x

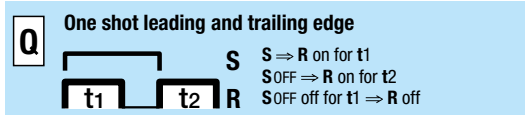
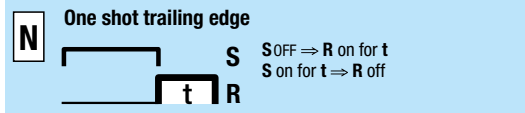
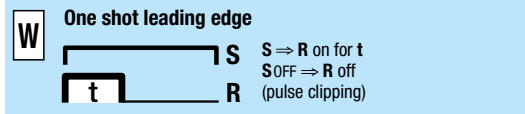
Dimension (mm)



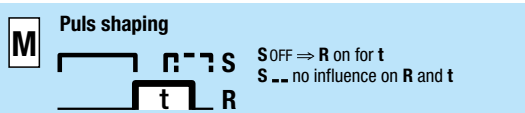
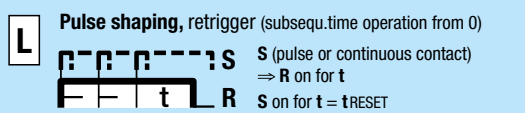
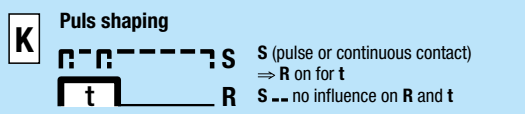
Delay functions



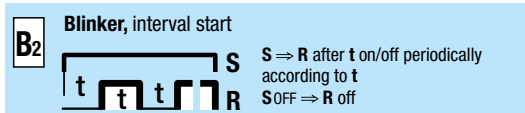
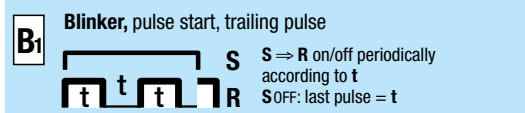
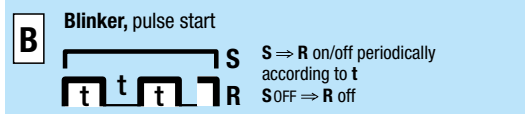
Shot timing modes



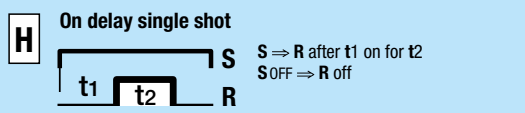
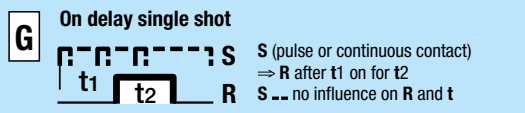
Puls shaping



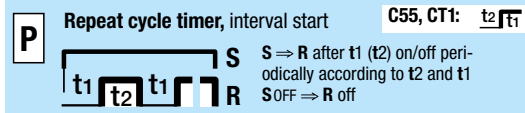
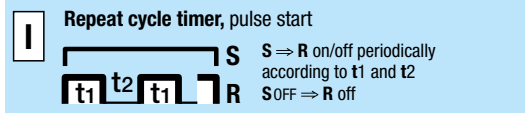
Blinker functions



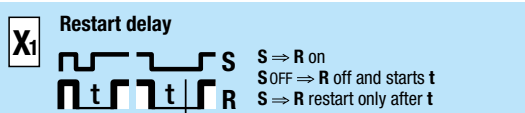
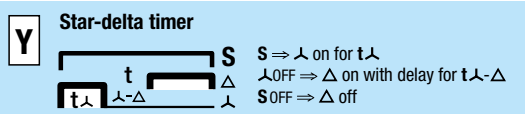
Delayed pulse



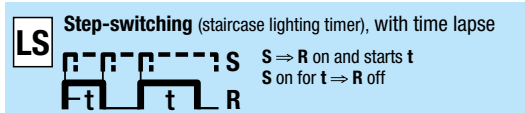
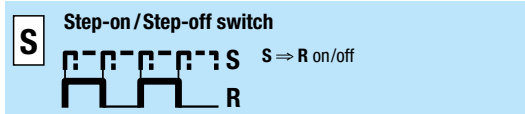
Repeat cycle timer



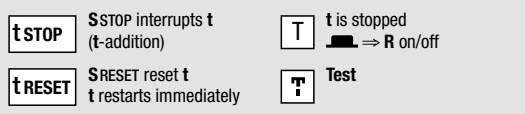
Special functions



Special functions



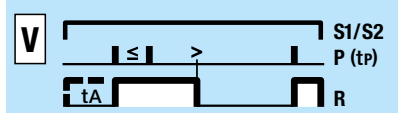
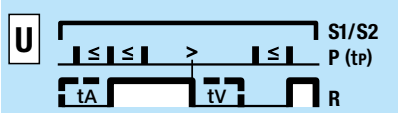
Stop / Reset



S = Triggering
R = Output circuit
⇒ = switches...



Pulse sequence monitoring



S1/S2 = Monitoring start
P = Pulse sequence
tp = Pulse separation

≤: Pulse separation is **smaller** than the time tp
>: Pulse separation is **larger** than the time tp

Start with S1 = **without** start-up short-out t_A
Start with S2 = start-up short-out t_A

t_v = settable alarm delay
delay (t_A = t_v)

