

CRINT 1x1 series**1 pole | changeover contact**

Maximum contact load	6 A/250 V AC-1	6 A/30 V DC-1
Recommended minimum contact load	100 mA / 12 V	

Contact

Type	1 CO
Material	⚡ AgSnO ₂
Switching current I_{TH}	6 A 250 V AC
Switching power DC-1 30 V	180 W
Switching power AC-1 230 V	1500 VA
Switching power AC-15 230 V	300 VA
Max. inrush current (2.5 ms)	15 A

Coil

Operation voltage AC 50/60 Hz / DC	0.8 ... 1.25 U _N
Nominal power DC/AC	408 / 900 mW

Insulation

Test voltage I / O	6 kV rms / 1 min
Pollution degree	3
Over voltage category	III
Open contact	1000 Vrms dielectric strength 1 min
Standard	EN61810-1

Specifications

Ambient temperature: operation / storage	-40 ... 70 °C / -40 ... 85 °C (no ice)
Typical response time @ V _n	7 ms
Typical release time @ V _n	15 ms
Switching cycles: mech./elec.	10 x 1 000 000 / 3 x 10 000
Cond. cross section screw terminal	2.5 mm ²
Cond. cross section spring cage	0.75 ... 2.5 mm ²
Protection degree	IP 20
Mounting position	any, TS35 or Back Panel Mounting
Weight	30 g

Product References

Screw terminal

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

Cage clamp terminal

UC 12V, 24V, 48V, 60V, 110-125V, 220-240V**Railway EN 50155**

„...“ List Coil Voltage to complete
Product References

CRINT-C111/UC...V**CRINT-C121/UC...V****CRINT-C121R/UC...V****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

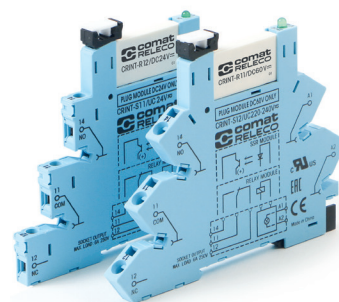
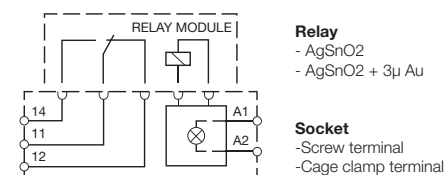
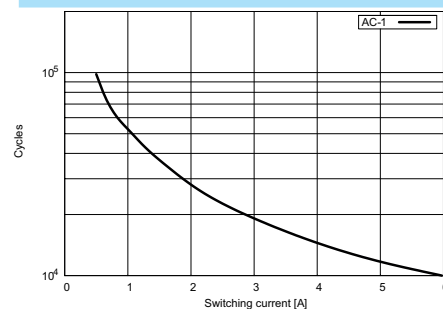
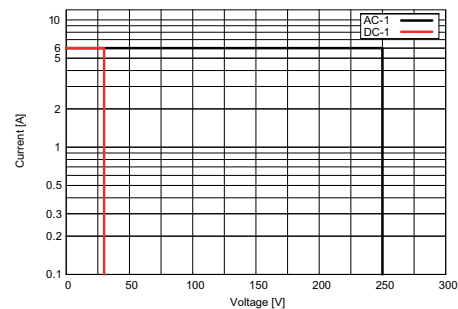
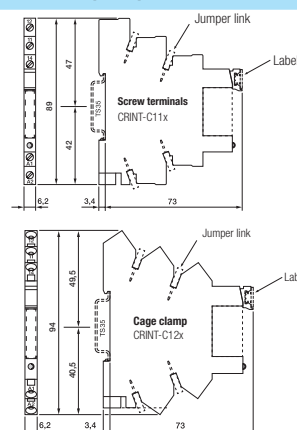
Spacer

CRINT-LAB (BAG 4x16 PCS)
CRINT-SEP (BAG 5 PCS)

Replacement relays**DC 12V, 24V, 48V, 60V***

„...“ List Coil Voltage to complete
Product References

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

**Connection diagram****fig. 1 AC voltage endurance****fig. 2 DC load limit curve****Dimensions (mm)****Technical approvals, conformities**

IEC/EN 61810, IEC/EN 50155, IEC/EN 45545

1.2 Interface Relays

CRINT 1x2 series

1 pole | changeover contact

Maximum contact load	6 A/250 V AC-1	6 A/30 V DC-1
Recommended minimum contact load	10 mA / 6 V	

Contact

Type	1 CO
Material	AgSnO ₂ + 3μ Au
Switching current _{TH}	6 A 250 V AC
Switching power DC-1 30 V	180 W
Switching power AC-1 230 V	1500 VA
Switching power AC-15 230 V	300 VA
Max. inrush current (2.5 ms)	15 A

Coil

Operation voltage AC 50/60 Hz / DC	0.8 ... 1.25 U _N
Nominal power DC/AC	408 / 900 mW

Insulation

Test voltage I / O	6 kV rms / 1 min
Pollution degree	3
Over voltage category	III
Open contact	1000 Vrms dielectric strength 1 min
Standard	EN61810-1

Specifications

Ambient temperature: operation / storage	-40 ... 70 °C / -40 ... 85 °C (no ice)
Typical response time @ V _n	7 ms
Typical release time @ V _n	15 ms
Switching cycles: mech./elec.	10 x 1 000 000 / 3 x 10 000
Cond. cross section screw terminal	2.5 mm ²
Cond. cross section spring cage	0.75 ... 2.5 mm ²
Protection degree	IP 20
Mounting position	any, TS35 or Back Panel Mounting
Weight	30 g

Product References

Screw terminal

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

CRINT-C112/UC...V

Cage clamp terminal

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

CRINT-C122/UC...V

Railway EN 50155

CRINT-C122R/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

Spacer

CRINT-LAB (BAG 4x16 PCS)
CRINT-SEP (BAG 5 PCS)

Replacement relays

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

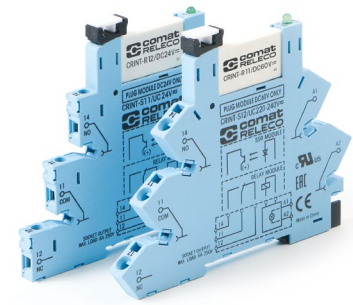
CRINT-R12/DC...V

„...“ List Coil Voltage to complete
Product References

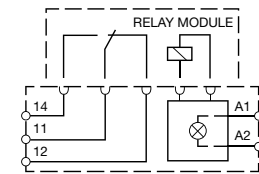
*60V Relay used for all sockets with
a nominal voltage higher or equal 60V



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Connection diagram



Relay

- AgSnO₂
- AgSnO₂ + 3μ Au

Socket

- Screw terminal
- Cage clamp terminal

fig. 1 AC voltage endurance

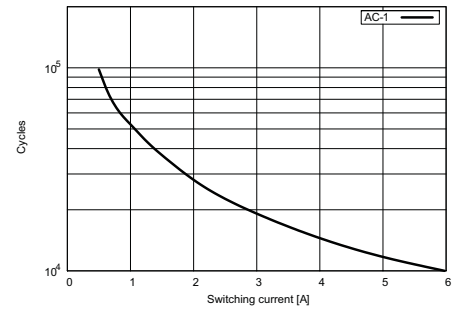
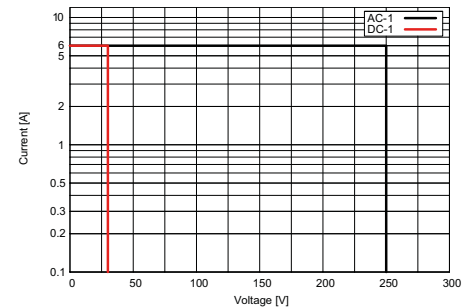
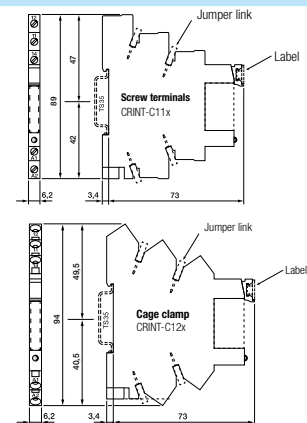


fig. 2 DC load limit curve



Dimensions (mm)



Technical approvals, conformities



IEC/EN 61810, IEC/EN 50155, IEC/EN 45545