CRINT 1x5 series

1 pole | normally open solid state DC

Maximum contact load	**2 A / 24 V DC-1**
Recommended minimum contact load	**20 mA / 5 V**

Contact

Type	1 NO (Solid state DC)
Material	Mosfet
Max. inrush current (10ms)	48 A

Coil

Operation voltage DC	0.8 … 1.25 U_N
Nominal power DC	160 mW

Insulation

Test voltage I / O	2.5 kV rms / 1 min
Pollution degree	3
Over voltage category	III
Open contact	1000 Vrms dielectric strength 1 min
Standard	EN61810-5

Specifications

Ambient temperature: operation / storage	-30 … 70 °C / -40 … 85 °C (no ice)
Typical response time @ V_n	1 ms
Typical release time @ V_n	1 ms
Cond. cross section screw terminal	2.5 mm²
Cond. cross section spring cage	0.75 … 2.5 mm²
Protection degree	IP 20
Mounting position	any, TS-35 or Back Panel Mounting
Housing material	Polyamide PA 6

Product References

Screw terminal

DC 12V, 24V, 60V, 110-125V, 220-240V **CRINT-C115/DC...V**

Cage clamp terminal

DC 12V, 24V, 60V, 110-125V, 220-240V **CRINT-C125/DC...V**

Railway EN 50155 **CRINT-C125R/DC...V**

„…" List Coil Voltage to complete Product References

Accessories

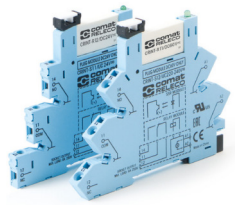
Jumper link	blue:	**CRINT-BR20-BU (BAG 5 PCS)**
	red:	**CRINT-BR20-RD (BAG 5 PCS)**
	black:	**CRINT-BR20-BK (BAG 5 PCS)**
Label plate		**CRINT-LAB (BAG 4x16 PCS)**
Spacer		**CRINT-SEP (BAG 5 PCS)**

Replacement relays

DC 12V, 24V, 48V, 60V* **CRINT-R15/DC...V**

„…" List Coil Voltage to complete Product References

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



Connection diagram

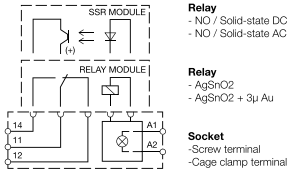


fig. 1 AC voltage endurance

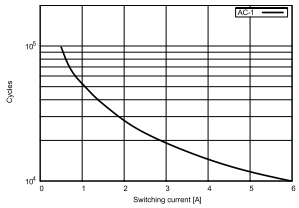
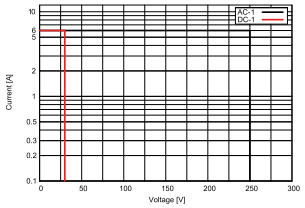
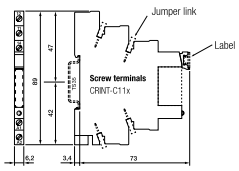
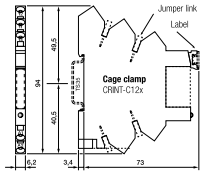


fig. 2 DC load limit curve



Dimensions (mm)





Technical approvals, conformities

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

CRINT 1x8 series

1 pole | normally open solid state AC

Maximum contact load	**2 A**
Recommended minimum contact load	**20 mA / 5 V**

Contact

Type	1 NO (Solid state AC)
Material	Triac
Max. inrush current (10 ms)	80 A

Coil

Operation voltage DC	0.8 … 1.25 U_N
Nominal power DC	150 mW

Insulation

Test voltage I / O	2.5 kV rms / 1 min
Pollution degree	3
Over voltage category	III
Open contact	1000 Vrms dielectric strength 1 min
Standard	EN61810-5

Specifications

Ambient temperature: operation / storage	-30 … 70 °C / -40 … 85 °C (no ice)
Typical response time @ V_n	1 ms
Typical release time @ V_n	1 ms
Cond. cross section screw terminal	2.5 mm²
Cond. cross section spring cage	0.75 … 2.5 mm²
Protection degree	IP 20
Mounting position	any, TS-35 or Back Panel Mounting
Housing material	Polyamide PA 6

Product References

Screw terminal

DC 12V, 24V, 60V, 110-125V, 220-240V **CRINT-C118/DC...V**

Cage clamp terminal

DC 12V, 24V, 60V, 110-125V, 220-240V **CRINT-C128/DC...V**

Railway EN 50155 **CRINT-C128R/DC...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)**

Replacement relays

DC 12V, 24V, 60V* **CRINT-R18/DC...V**

„…" List Coil Voltage to complete Product References

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

Connection diagram

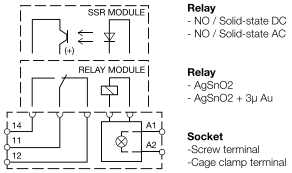


fig. 1 AC voltage endurance

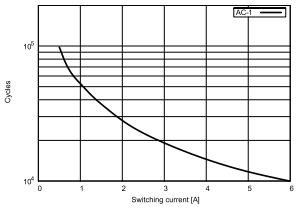
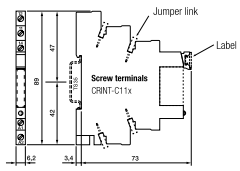
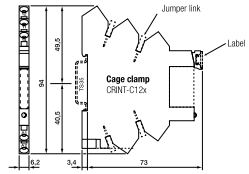


fig. 2 DC load limit curve

Dimensions (mm)





Technical approvals, conformities

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