

B103

1 pole | Power Relay



Main circuit

Available contact materials	⚡ AgSnO ₂
Recommended minimum contact load	10 mA / 12 V
Maximum contact load AC-1	10 A / 250 V
Maximum contact load DC-1	6 A / 30 V
Rated current	10 A
Inrush current	16 A, 20 ms
Operating voltage	See table product references
Rated load AC	2500 VA
Rated load DC	fig. 3.
Mechanical endurance (cycles)	≥ 20 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 200 000
Number of contacts	1 CO

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.85 U _N ... 1.15 U _N
Pick-up voltage	0.85 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC	5.5 VA
Power consumption DC	1.2 W

Insulation

Contact/contact	4 kV / 1 min
Contact/coil	2 kV / 1 min
Rated impulse withstand voltage open contact	1 kV / 1 min
Pollution degree	3
Overtoltage category	III

General data

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-20 ... 55 °C
Release time	20 ms
Release time	12 ms
Conductor cross section control / main circuit	2.5 mm ²
Nominal screw torque control / main circuit	0.7 Nm
Ingress Protection	IP 20
Dimensions	fig. 4.
Weight	60 g
Housing material	PA / PC

Product references

Description	Type	8-12	24	220-240
1 CO	B103/UC...V	✓	✓	
1 CO	B103/AC...V			✓

Other voltages on request. Please contact support@comatreleco.com.
«...» List control circuit voltage to complete product references.



fig. 1. Wiring diagram

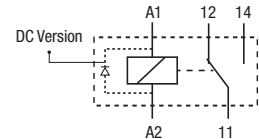


fig. 2. AC voltage endurance

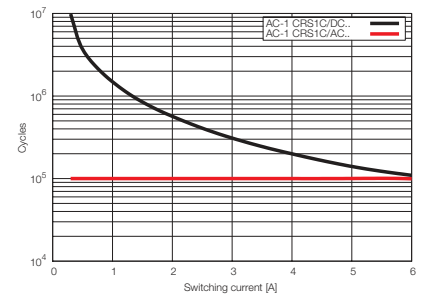


fig. 3. DC load limit curve

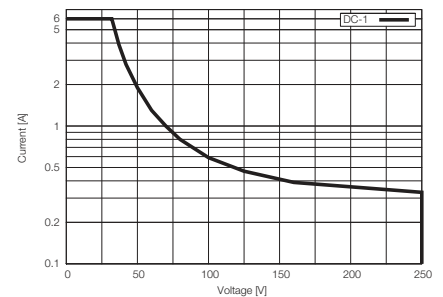
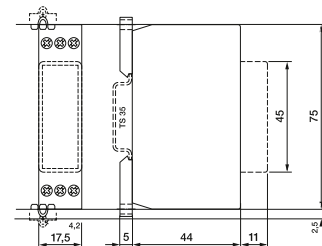


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards EN 61810

Approvals