

B103/AC220-240V
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	2 500 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
Pick-up time	20 ms
Release time	12 ms
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
Overvoltage category	III
Rated impulse withstand voltage open contact	1 kV / 1 min
Pollution degree	3
General data	
Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-20 ... 55 °C
Conductor cross section	solid wire 1 x 4 mm ² , 2 x 1.5 mm ² , stranded & crimped wire 1 x 2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.5 Nm
Ingress Protection	IP 20
Mounting	TH35 (EN 60715)
Weight	60 g
Housing material	PA / PC

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



fig. 1. Wiring diagram

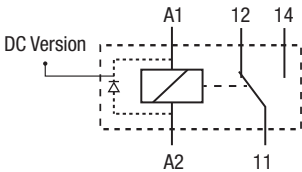


fig. 2. AC voltage endurance

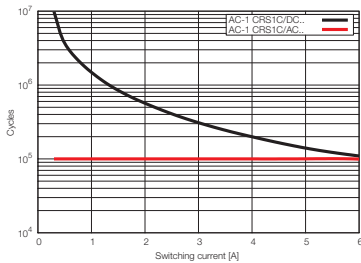


fig. 3. DC load limit curve

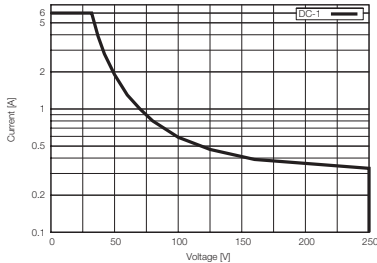
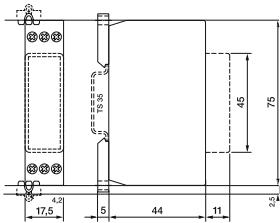


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards EN 61810
Approvals CE cULus EAC UK