

CRV4/UC24-240V

Multifunction | 24 ... 240 V AC / DC | 1 CO | External potentiometer



Time data

Timing functions	fig. 1 1: E 2: E, A, K, N, M, B1, F, G, Q, L, S, LS 3: W, B, B2, H
Timing range	t1: 50 ms ... 0.6 s / 0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min / 0.5 h ... 6 h / 5 h ... 60 h
Timing range t ₂	G/H-1: 10% t1 G/H-2: 100% t1
Timing scale	0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h

Main circuit

Number of contacts	1 CO
Available contact materials	AgNi
Rated voltage	250 V
Rated current	6 A
Minimum load	10 mA, 10 V
Inrush current	15 A, 10 ms
Rated load DC	fig. 3
Rated load AC-1	1,500 VA
Mechanical endurance (cycles)	30 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 2

Control circuit

Nominal voltage	24 ... 240 V AC / DC
Operating voltage range	19.2 ... 250 V AC / DC
Power consumption AC / DC	0.55 VA / 0.55 W
Current consumption on supply A1-A2 AC / DC	6 mA / 6 mA
Current consumption on input control B1 AC / DC	4 mA / 7 mA
Threshold voltage on input control B1 AC / DC	14.5 V / 17.5 V
Frequency range	0; 40 ... 60 Hz

Insulation

Rated test voltage control / main circuit	2 kV rms / 1 min
Rated test voltage open contact	1 kV rms / 1 min
Pollution degree	2
Overvoltage category	III

General data

Nominal screw torque control / main circuit	0.5 Nm
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Housing and environmental conditions

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-40 ... 70 °C
Relative humidity, no condensation	10 ... 95 %
Ingress Protection	IP 20
Weight	50 g
Housing material	PC
Mounting	DIN-Rail (IEC 60715)
Operation Position	Any
Dimensions	fig. 4
Mounting position	Any

Wiring

Conductor cross section control / main circuit	2.5 mm ² , 2 x 1 mm ²
Stripping Length control / main circuit	8 mm
Nominal screw torque control / main circuit	0.5 Nm

Product references

Description	Type	24-240
AC / DC Supply	CRV4/UC...V	✓

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

Accessories

External potentiometer	SP-01/100K
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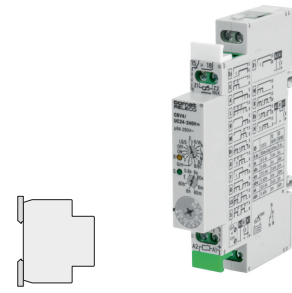


fig. 1. Wiring diagram

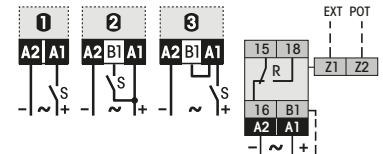


fig. 2. AC voltage endurance

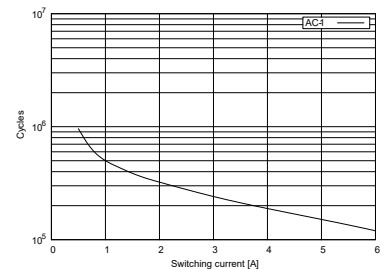


fig. 3. DC load limit curve

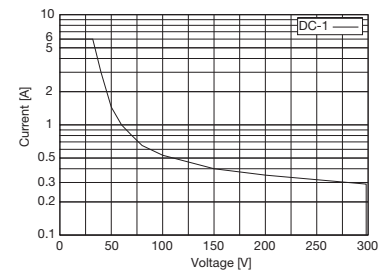
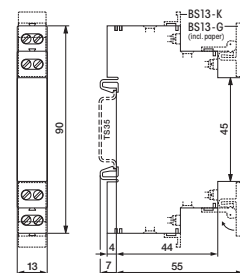


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61812-1

Approvals