

CRV4/UC24-240V

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



Time data

Timing functions
Timing range

fig. 1 1: E 2: E, A, K, N, M, B1, F, G, Q, L, S, LS 3: W, B, B2, H
t (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 t2 (G/H 1) 60
ms / 0.6 s / 6 s / 0.6 min / 6 min / 0.6 h / 6 h t2 (G/H 2) 0.6 s / 6
s / 60 s / 6 min / 60 min / 6 h / 60 h
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

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 mm², 2 x 1 mm²
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

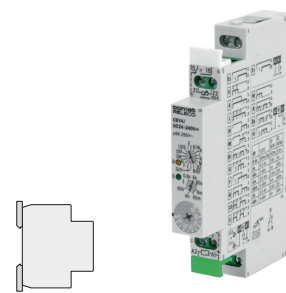


fig. 1. Wiring diagram

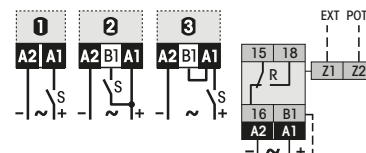


fig. 2. AC voltage endurance

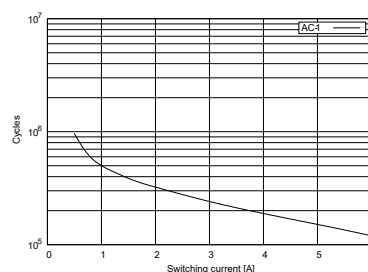


fig. 3. DC load limit curve

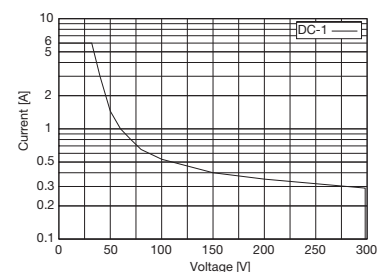
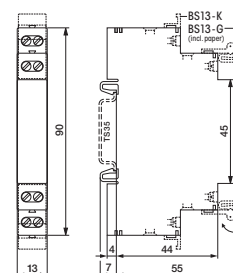


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61812-1

Approvals