

**CRV4**

**Multifunction | 24 ... 240 V UC | 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	50 ms ... 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
Contact Material	⚡ 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. 2
Rated load AC-1	1500 VA
Mechanical endurance (cycles)	$3 \times 10^7$
Electrical endurance at rated load AC-1 (cycles)	fig. 3

**Control circuit**

Nominal voltage	24 ... 240 V UC
Operating voltage range	19.2 ... 250 V
Power consumption AC / DC	0.55 VA / 0.55 W
Typ. input current on command input AC / DC	4 / 7 mA
Typ. threshold voltage on command input AC / DC	14.5 V / 17.5 V
Rated frequency	48 ... 63 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**

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-40 ... 70 °C
Conductor cross section	2.5 mm <sup>2</sup> , 2 x 1 mm <sup>2</sup>
Nominal screw torque	0.6 Nm
Module width	fig. 4
Weight	50 g
Protection degree	IP 20
Housing material	PC

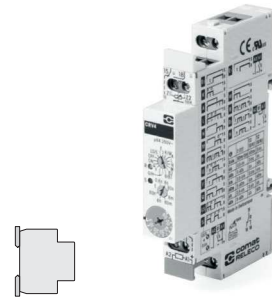
**Product references**

Types	Product reference	24-240
UC supply	CRV4/UC...V	✓

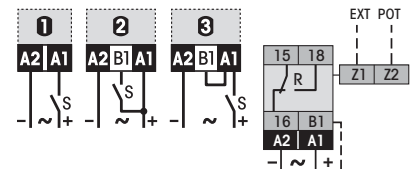
"..." list control circuit voltage to complete product references.  
Other voltages on request. Please contact support@comatreleco.com.

**Accessories**

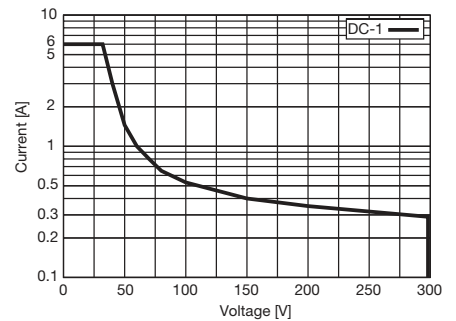
External potentiometer	SP-01/100K
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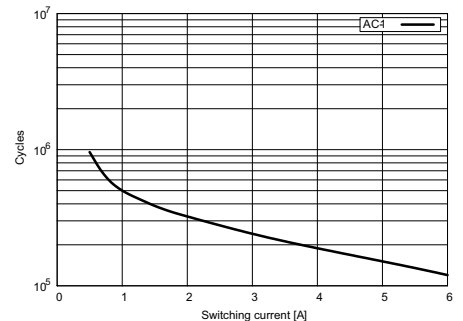
**fig. 1. Wiring diagram**



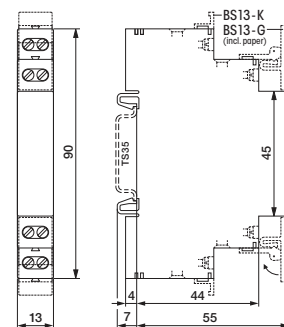
**fig. 2. DC load limit curve**



**fig. 3. AC voltage endurance**



**fig. 4. Dimensions (mm)**



**Standards and approvals**

Standards IEC/EN 60947



# CSV4

Multifunction | 12 ... 36 V DC | 1 Mosfet | 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	0.8 ms ... 10 h
Timing scale	0.1 s / 1 s / 10 s / 1 min / 10 min / 1 h / 10 h

### Main circuit

Number of outputs	1 NO
Output type	Mosfet
Output voltage range	10.2 ... 45 V (Potential of A1)
Rated current	1.5 A
Minimum load	1 mA, 10.2 V
Inrush current	4 A, 100 ms
Typ. leakage current	10 µA
Mechanical endurance (cycles)	∞
Electrical endurance at rated load DC-1 (cycles)	∞

### Control circuit

Nominal voltage	12 ... 36 V DC
Operating voltage range	10.2 ... 45 V
Power consumption AC / DC	- / 0.2 W
Typ. input current on command input AC / DC	- / 4 mA
Typ. threshold voltage on command input AC / DC	- / 7.3 V

### Insulation

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

### General data

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-40 ... 70 °C
Conductor cross section	2.5 mm <sup>2</sup> , 2 x 1 mm <sup>2</sup>
Nominal screw torque	0.6 Nm
Module width	fig. 2
Weight	50 g
Protection degree	IP 20
Housing material	PC

### Product references

Types	Product reference	12-36
DC supply	CSV4/DC...V	✓

"..." list control circuit voltage to complete product references.  
Other voltages on request. Please contact support@comatreleco.com.

### Accessories

External potentiometer	SP-01/100K
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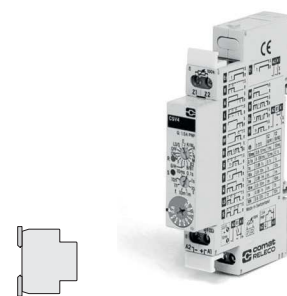


fig. 1. Wiring diagram

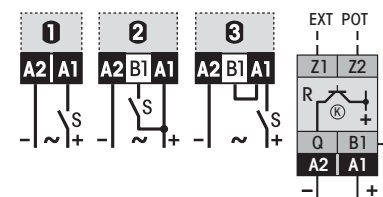
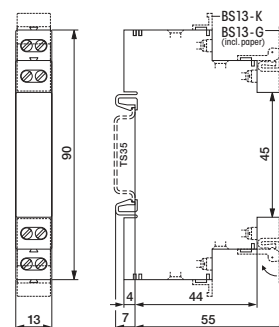


fig. 2. Dimensions (mm)



### Standards and approvals

Standards IEC/EN 60947

Approvals