

CSV4/DC12-36V

Multifunction | 12 ... 36 V DC | 1 MOSFET | 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) 0.8 ms ... 10 ms / 8 ms ... 100 ms / 80 ms ... 1 s / 0.8 s
... 10 s / 5 s ... 1 min / 0.8 min ... 10 min / 8 min ... 1 h / 0.8 h
... 10 h t2 (G/H 1) 1 ms / 10 ms / 0.1 s / 1 s / 6 s / 1 min / 6 min /
1 h t2 (G/H 2) 10 ms / 0.1 s / 1 s / 10 s / 1 min / 10 min / 1 h / 10
h
Timing scale 0.1 s / 1 s / 10 s / 1 min / 10 min / 1 h / 10 h

Timing scale

Main circuit

Number of outputs
Output type

1 NO
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 DC

Power consumption AC / DC

- / 0.2 W

Current consumption on supply A1-A2 AC / DC

- / 8 mA

Current consumption on input control B1 AC / DC

- / 4 mA

Threshold voltage on input control B1 AC / DC

- / 7.3 V

Frequency range

DC

Insulation

Rated test voltage control / main circuit

2 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

Ingress Protection

IP 20

Weight

50 g

Housing material

PC

Operation Altitude

max. 2'000 m above sea level (without derating, IEC 60947-1 par. 7.1.2)

Mounting

DIN RAIL (IEC 60715)

Operation Position

Any

Dimensions

fig. 2

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

0.6 Nm

Accessories

External potentiometer

SP-01/100K

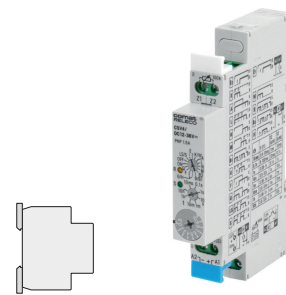


fig. 1. Wiring diagram

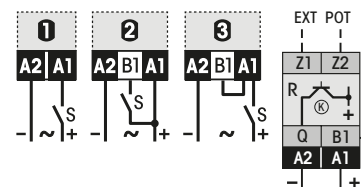
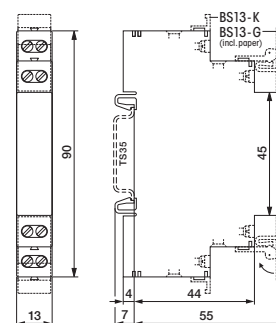


fig. 2. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61812-1

Approvals CE c UL us EAC UK CA