

- ❑ 14 switchable time-ranges
125 ms-30 h
- ❑ remote potentiometer terminal
- ❑ two changeover contacts
- ❑ 19 supply voltages selected via
plug-in power supplies

Technical Data:

Supply voltages:

(can be selected with plug-in power supply)

See plug-in mains units below

Nominal consumption:

2X: 12 ... 440 V AC / 2 VA

24 V AC/DC / 1 VA, 36 V AC/DC / 1.5 VA

42 V AC/DC / 1.5 VA, 48 V AC/DC / 1.7 VA

6 ... 110 V DC / 2 W

3V: 12 ... 440 V AC / 4 VA

24 V AC/DC / 2 VA, 36 V AC/DC / 3 VA

42 V AC/DC / 3.5 VA, 48 V AC/DC / 4 VA

6 ... 220 V DC / 3 W

Permissible voltage range 0.85 to 1.1 U_N

Frequency range 48-63 Hz

Duty cycle 100% IEC class 1c

Environmental conditions:

Permissible ambient temperature - 25°C to + 55°C

Class of application HVF to DIN 40040

Accuracy:

Repetition accuracy under constant condition

(as % of full range) $\leq 0.5\%$

Effect of voltage in the range of 0.85 to 1.1 U_N $\leq 0.5\%$

Accuracy of adjustment $\leq 5\%$

Effect of temperature $\leq 0.1\%$ / °C

Reset time ~ 100ms max.

Mechanical data/specifications:

Enclosure in self-extinguishing plastic with plug-in power supply

Type of protection IP 40

VDE 0435: Test voltage 2000 VAC

VDE 0110: Group B 380 V AC, group C 250 V AC

Dimensions and standards:

2X: 75 x 22.5 x 98 mm (h x b x d)

3V: 75 x 35 x 109 mm (h x b x d)

X: Mounting on DIN rails to DIN 46277/3 (European standard EN 50 022)

Connection via terminals up to 4 mm², with protection against accidental

contact. Type of protection IP20. Contact protection to VDE 0106 and VBG 4

Terminal arrangement and connection markings to DIN 46 199

V: Mounting and connection via 11-pin screw or soldered plug.

Fixing via retaining clip BU 351. Pin arrangement and connection

markings to IEC 67-1-18a

Output stage:

2-pole changeover

Max. switching voltage: 2X: 250 V AC 3V: 380 V AC, 250 V DC

Continuous current: 2X: max. 5A 3V: max. 8A

Switching capacity: 2X: 1000 VA 3V: 1500 VA

Contact life: 230 V AC, 5 A resistive $\geq 3 \cdot 10^5$ switching operations.

Mechanical life $> 30 \cdot 10^6$ switching operations.

Plug-in power supply modules for model 2X

4 power supplies NT2-...V AC/DC for alternating and direct voltage:

24 V (1 VA), 36 V (1.5 VA),

42 V (1.5 VA), 48 V (1.7 VA)

9 transformers TR2-...V AC

for alternating voltage

12V, 24V, 42V, 48V, 110V, 127V,

230V, 400V, 440V

4 switched power supplies

SN2-...V DC for direct voltage

max. residual ripple 10%

permissible voltage range in

brackets

6V (4.8-7.8V), 12V (8.5-16V),

60V (40-85V), 110V (75-160V)

Plug-in power supply modules for models 3V and 4X

4 power supplies NT3-...V AC/DC for alternating and direct voltage:

24 V (2 VA), 36 V (3 VA),

42 V (3.5 VA), 48 V (4 VA)

9 transformers TR3-...V AC

for alternating voltage

12V, 24V, 42V, 48V, 110V, 127V,

230V, 400V, 440V

6 switched power supplies

SN3-...V DC for direct voltage

max. residual ripple 10%

permissible voltage range in brackets

6 V (5.1 - 6.6 V), 12 V (10.2 - 15 V),

60 V (40 - 85 V), 110 V (75 - 145 V)

125 V (85 - 165 V), 220 V (45 - 285 V)

Types:

E2X

E3V

Accessories:

Plug-in base TVE12

Retaining clip BU 351

Mounting plate MP

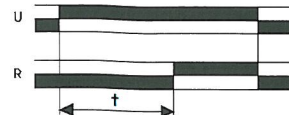
Remote potentiometer R2

Fascia surround FR 35



E on-delay

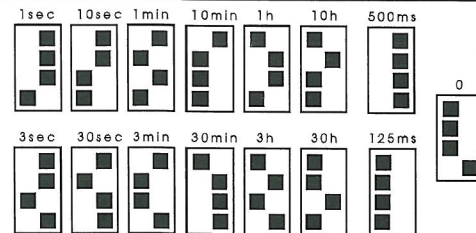
Function diagram:



Description of function:

When the input voltage U is applied the set time t begins to run. When time t has elapsed, the output relay comes into operation, and remains in the operating position, until the input voltage U is removed from the unit. If the input voltage U is removed from the unit before time t has elapsed, the time already elapsed is cancelled and re-starts from zero on the next cycle.

Time ranges (upper limits):

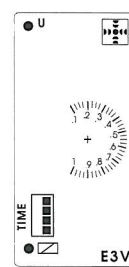


Front view:

E2X

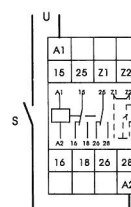


E3V



Connections:

E2X



E3V

