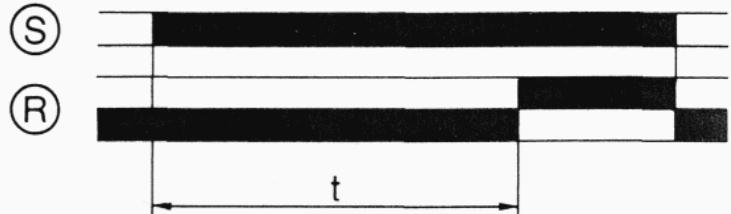


- LED-power on indication (green), status indication (yellow)
- terminals for external potentiometer

## Function: 2 double-pole change-over

**Time ranges (switchable):**  
**Version N:** 1 – 25 s  
 4 – 100 s  
 0.5 – 12 min  
 4 – 100 min  
**Version S:** } see list  
**Version L:** } of types

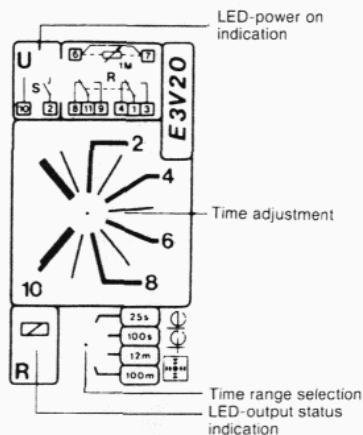
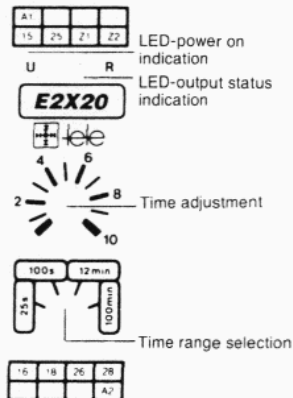


### Accuracy:

Repeat accuracy at constant conditions (% of full range) 0.5%  
 Voltage effect in range of 0.85 to 1.1  $U_N$  0.5%  
 Temperature effect 0.1%/°C  
 Reset time 3V: 50 ms  
 2X: 100 ms

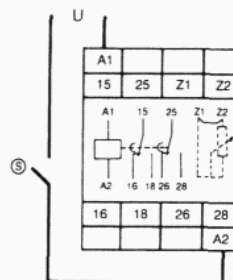
Timing starts when the supply voltage  $\textcircled{S}$  is connected to the supply terminals **A1–A2** (2–10).  
 At the end of the delay time **t** the output relays  $\textcircled{R}$  energise.  
 The relays  $\textcircled{R}$  drop out and the timer resets automatically when the supply voltage is removed.  
 If the supply voltage is removed during time **t** the remaining time is cancelled and the timer resets automatically.  
 When an external potentiometer is connected, the potentiometer on the timer must be set to zero.

### Front panel:

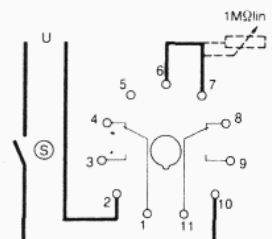


### Connection:

#### E2X20



#### E3V20



### Technical data:

#### Supply voltages:

(can be chosen by plug-in power unit)

**2 X:** 24, 42, 48, 110, 127, 220, 240 V AC

24, 36, 42, 48 V AC/DC

6, 12, 60, 110, 125, 220 V DC

(max. remaining ripple factor 10%)

**3 V:** 24, 42, 48, 110, 127, 220, 240, 380, 415, 440 V AC

24, 36, 42, 48 V AC/DC

6, 12, 60, 110, 125 V DC

(max. remaining ripple factor 10%)

#### Nominal power consumption:

**2 X:** 24 ... 240 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 ... 125 V DC/2 W

**3 V:** 24 ... 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

Acceptable voltage variation 0.85 to 1.2  $U_N$

When using transformers 0.85 to 1.1  $U_N$

Frequency range 48–63 Hz

Duty cycle 100%, IEC class 1c

#### Environmental conditions:

Ambient temperature range  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

Climate resistance F according to DIN 40040

#### Mechanical data/classifications:

Housing with plug-in power supply, self-quenching plastic material, protection class IP 40

#### Connections:

Series X: terminals shrouded to prevent human contact, max. 4 mm<sup>2</sup>

Series V: 11-pin socket

#### For standards and measurements,

comp. tabulation of housing on page 1

#### Classifications:

VDE 0435: dielectric strength 2000 V AC

VDE 0110: group C 250 V AC

#### Output:

Contact double-pole change over

Contact voltage

2 X: 250 V AC/DC

3 V: 380 V AC,  
250 V DC

Permanent current

2 X: max. 5 A

3 V: max. 8 A

Contact rating

2 X: 1000 VA

3 V: 1500 VA

Electrical life

220 V AC 5 A resist. load  
appr.  $2 \cdot 10^5$  operations

Mechanical life

$\geq 20 \cdot 10^6$  operations

Contact material

Ag gold plated