1.2

- ❑ installation profile according to VDE 43 880
- ❑ star-delta start 3 - 60 sec
- ❑ 4 switchable contact changeover times
- ❑ 3 voltages per unit
- ❑ approvals: ÖVE, TA 501, S

Technical Data:

Supply voltages:
Dual voltage: 24 V AC/DC and 230 V AC
24 V AC/DC and 110 V AC
can be selected by links

Acceptable voltage variation:
24 V, 110 V ...0,85 to 1,1 U_N
230 V ...0,8 to 1,15 U_N

Frequency range 45 bis 65 Hz
Duty cycle 100% IEC class 1c

Environmental conditions:
Permissible ambient temperature -25°C bis +55°C
HVF climatic resistance to DIN 40040

Accuracy:
Repetition accuracy under constant condition
(as % of full range) ≤ 1 %
Accuracy of adjustment ≤ 5 %
Effect of temperature ≤ 0,1 %/°C
Reset time approx 100 ms

Mechanical data//specifications:
Enclosure in self-extinguishing plastic . Type of protection IP 40
To meet the ÖVE-standards for household - applications require a 0,47 µF capacitor.

Type of connections:
Type X: Terminals up to 4 mm² with protection against accidental contact.

Dimensions and standards:
3X: 78,6 x 35 x 66 mm (h x b x d)
X: Mounting on DIN rails to DIN 46277/3 (European standard EN 50 0222)
Connection via terminals up to 4 mm² with protection against accidental contact. Type of protection IP20
Protection against contact to VDE 0106 and VBG 4
Terminal arrangement and connection markings to DIN 46 199

Output stage:
3X: 2 NO normally open contacts electrically separated

Max. switching voltage: 250 VAC/DC

Continuous current: max. 8 A
Switching capacity: 230 V AC cosφ1 1500 VA

Contact life: 230 VAC 4 A resistive load approx $2 \cdot 10^5$ switching operations.
Mechanical life: approx $20 \cdot 10^6$ switching operations.

Types:

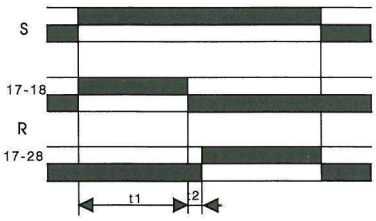
DCS3X 24/230 V,
DCS3X 24/110 V

Accessories:

Mounting plate MP

S star-delta

Function diagram:



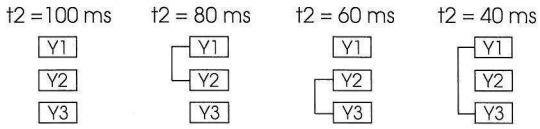
Description of function:

When the input voltage U is applied, the contact 17-18 is closed and remains in operation for the set star start time t1. On expiry of time t1, the contact 17-18 reopens and both contacts remain open for the changeover time t2. When time t2 has elapsed the contact 17-28 is closed and remains in operation until the input voltage is removed from the unit.
If the input voltage is removed, the time already elapsed is cancelled and starts again at zero on the next cycle.

Star start time:

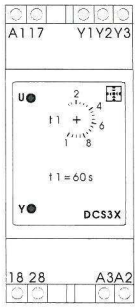
t1 = 0,6 - 60 sec

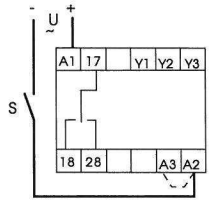
Contact change over time:



Front view:

DCS3X



Connection:

DCS3X