# 22.5mm Din Rail Timer

# 800SD-2-230




DIN 22.5mm

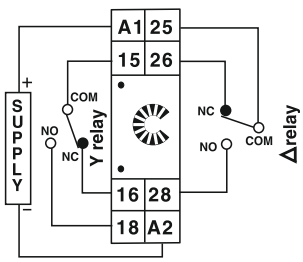
## Features:

- Star delta
- 2 Time ranges: 30 / 60 sec
- Change over: 50 / 100 / 150 / 200ms
- LED indications: Star relay ON, Delta relay ON

## Technical specifications

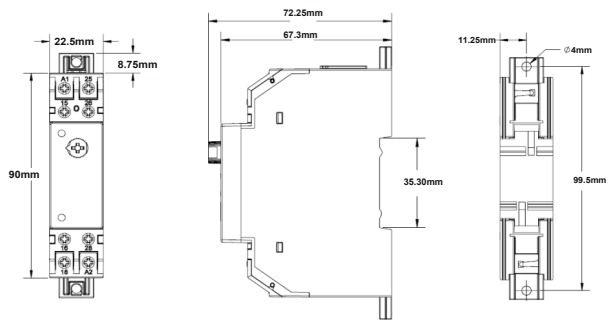
| | |
|---|---|
| **Display specifications** | |
| LED indications | Star relay ON, Delta relay ON |
| **Input specifications** | |
| Accuracy | Setting: ±5% of F.S., Repeat: ±0.5% or 50msec (F.S.= Full scale) |
| **Output specifications** | |
| Relay contact | 1 C/O Relay each for Star & Delta |
| Contact rating | 5A @250V AC / 24V DC, Resistive |
| **Functional specification** | |
| Modes | Star-Delta |
| Time ranges | Runup time range: 30 / 60sec, Change over: 50 / 100 / 150 / 200msec (user selectable via DIP switches) |
| Reset | ON power interruption, Reset time <100msec |
| **Auxiliary supply specifications** | |
| Supply voltage | 230V AC (50/60 Hz) ±10% tolerance |
| Power consumption | 10VA max |
| **Environmental specification** | |
| Temperature operating | 0 °C to 50 °C (32 °F to 122 °F) |
| Storage | -20 °C to 75 °C (-4 °F to 167 °F) |
| Humidity (non - condensing) | 95% RH |
| **Mechanical specifications** | |
| Mounting | DIN rail |
| Weight | 115 gm |

## Terminal connections




IEC Cable size (mm²): 1.5; Tightening torque (N-m): 0.5

## Dimensions (all are in mm)

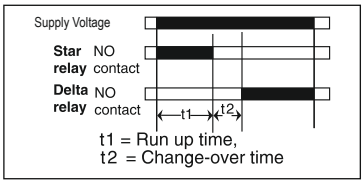


## Standards compliance

| Applicable EMI / EMC standards | | |
|---|---|---|
| **Product standard- IEC 60947-5-1** | | |
| **Category** | **Reference standards** | **Testing level** |
| Electrostatic discharge | IEC 61000-4-2 | Level-3 |
| Electrical fast transient / Brust | IEC 61000-4-4 | Level-3 |
| Electromagnetic field | IEC 61000-4-3 | Level-3 |
| Surge | IEC 61000-4-5 | Level-3 |
| Conducted RF | IEC 61000-4-6 | Level-2 |
| Rated power frequency | IEC 61000-4-8 | Level-4 |
| Voltage dip / Short interruptions | IEC 61000-4-11 | Level-3 |
| Conducted emissions | CISPR-11 | Class-A |
| Rated emissions | CISPR-11 | Class-A |
| Safety | IEC 61010-1 | |

## Timing diagram

Special timer for star delta changeover for star-delta starting of 3Ø induction motors




## Ordering information

| Product code | Supply voltage | Certification |
|---|---|---|
| **800SD-2-230** | 230V AC | - - - |