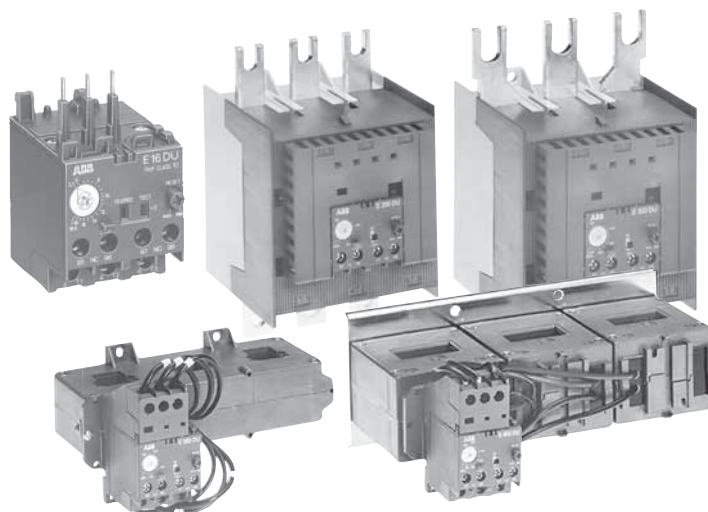


# Electronic Overload relays



## Electronic overload relays E16DU – E1250DU



### Description

- Available for starter construction with A Line contactors and separate panel mounting
- Designed for close couple mounting
- Separate base mounting available for all overload relays
- E16DU Class 10, 20, & 30, factory selectable
- E200DU – E800DU Class 10, 20 & 30, field selectable
- Stop button
- Screwdriver guide holes
- All terminal screws are available from the front
- Single phase and phase unbalance protection
- Isolated alarm circuit (N.O.) contact
- Ambient compensation: -25°C to +70°C (-13°F to +158°F)
- Manual test
- Manual or automatic reset
- Factory calibrated and tested
- Wide adjustment range
- UL File No: E48139
- CSA File No: LR98336

### Tripping classes of the thermal overload relays

Standard classes in IEC 947-4-1 are classes: 10 A, 10, 20, 30. The tripping class indicates according to IEC 947-4-1 the maximum tripping time in seconds under specified conditions of test at 7.2 times the setting current and specifies tripping and non tripping times for 1.5 and 7.2 times the setting current. Mostly used class is 10 A.

### Abstract from IEC 947-4-1

| Tripping class   | 10 A        | 10     | 20     | 30     |
|--|-------------|--------|--------|--------|
| Max. tripping time at 1.5 x setting current (s) (warm state) | 120         | 240    | 480    | 720    |
| Tripping time at 7.2 x setting current (s) (cold state)      | 2 – 10      | 4 – 10 | 6 – 20 | 9 – 30 |
| At 1.05 x setting current                                    | no tripping |        |        |        |