




DIN300 300E

Features

- 25 selectable sensitivity settings: 30 mA to 30 A
- 9 selectable time delays: 0ms to 3s
- Earth leakage level indicators
- Detection of no connection to ZCT
- Relay tripped indicator
- Trip starting indicator
- Protected against nuisance tripping 
- ANSI Code : 50N, 51N

Features For DIN 300E only

- 50% pre-fault output contact
- Remote test and remote reset functions

Technical Data

AUXILIARY SUPPLY

Model DIN300 / 300E -240A : 198 ~ 265 V AC
 Model DIN300 / 300E -110A : 94 ~ 127 V AC
 Rated frequency : 50 / 60 Hz
 VA rating : 3 VA typical

SETTING RANGES

Sensitivity setting : 30 mA, 50 mA, 75 mA,
 100 mA, 125 mA, 150 mA,
 200 mA, 250 mA, 300 mA,
 500 mA, 750 mA, 1 A,
 1.25 A, 1.5 A, 2 A, 2.5 A,
 3 A, 5 A, 7.5 A, 10 A, 12.5 A,
 15 A, 20 A, 25 A, 30 A.

Time delay setting : Instantaneous, 50 ms,
 100 ms, 150 ms, 250 ms,
 350 ms, 500 ms, 1 s, 3 s.

PERFORMANCE

Setting accuracy : -15% to +0%
 Timing accuracy : ±5%

OUTPUT CONTACTS

Contacts (Trip / 50% pre-fault*)
 Rated voltage : 250 V AC
 Contact rating : 5 A
 Expected electrical life : 100,000 operations at
 rated current
 Expected mechanical life : 5 x 10⁶ operations

INPUT

Remote test* / Reset inputs* : N.O. dry contacts

ZERO-PHASE CURRENT TRANSFORMER

To operate with Mikro's ZCT series of current transformer

INDICATORS

Auxiliary supply : Green indicator
 Time delay : Red indicator
 Trip : Red indicator
 Leakage current* : 5 red indicators for
 leakage levels

ENVIRONMENTAL CONDITIONS

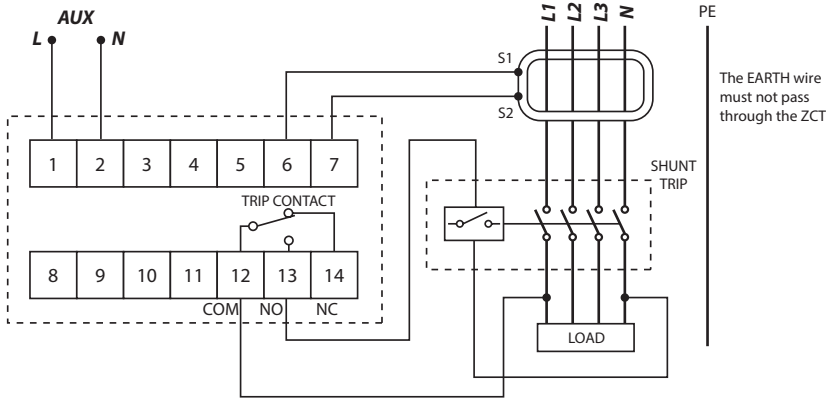
Temperature : -5°C to +55°C
 Humidity : 56 days at 93% RH and
 40°C non-condensing

MECHANICAL

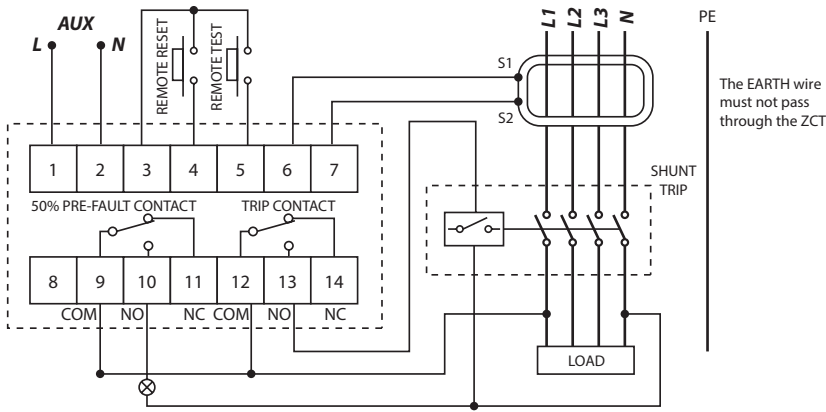
Mounting : DIN rail mounting
 Dimension (mm) : 71(w) x 85(h) x 70(d)
 Enclosure protection : IP54 at the panel
 Approximate weight : 0.4 kg (excluding ZCT)

* Applicable to DIN300E model only

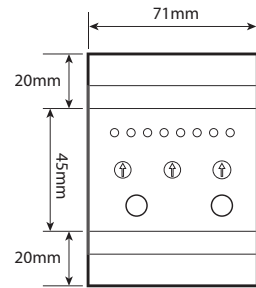
Typical Application Diagram For DIN 300



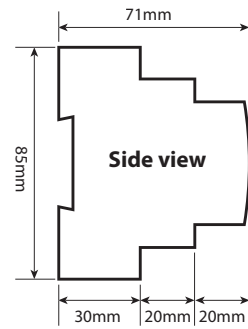
Typical Application Diagram For DIN 300E



Case Dimensions



Front view



Side view

Ordering Information

MODEL	DESCRIPTION
DIN300 - 240 A	For 50 / 60 Hz system, auxiliary voltage 240 V AC
DIN300 - 110 A	For 50 / 60 Hz system, auxiliary voltage 110 V AC
DIN300E - 240 A	For 50 / 60 Hz system, auxiliary voltage 240 V AC
DIN300E - 110 A	For 50 / 60 Hz system, auxiliary voltage 110 V AC