

General information

Electronic overload relays

Types E & EF

Description

An alternative to conventional bimetallic overload protection, electronic overload relays offer magnetic trip functionality for reliable protection for motors in the event of overload or phase failure. Simple to use and apply, the electronic overload relay is valued for its wide setting range, high accuracy, high operational temperature range and selectable trip classes (10E, 20E, 30E)

Application

Three pole devices for single and three phase motor overload protection. devices are either directly connected in the motor circuit, or are fed through type (current) transformer

Electronic overload relay types

Directly connected to circuit:

EF19, EF45, E16DU, E45DU, E80DU, E140DU, E200DU, E320DU

Linear transformer-fed:

E500DU, E800DU, E1250DU

Clear indication of ratings, approval standards, and installation requirements
* Label on reverse side of photo shown

Function markers included (Types TF & TA)

Adjustable trip class (10E, 20E, 30E)

Adjustable setting range; Trips at 125% setting value

STOP button

Phase loss sensitivity per IEC/EC 60947-4-1

Terminals 2/T1, 4/T2, 6/T3

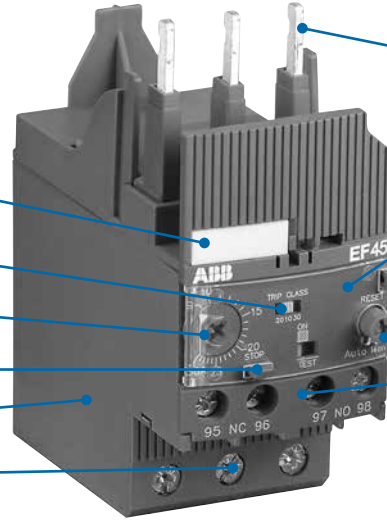
Terminals 1/L1, 3/L2, 5/L3; for direct mounting to contactors (E500DU, E800DU, E1250DU require accessory)

Sealable cover (EF19, EF45 only)

RESET button, manual and automatic selectable

Test function and ON-OFF status indication

Auxiliary contacts
• N.C. 95-96 (tripping contact)
• N.O. 97-98 (signaling contact)



Catalog number explanation

EF45 - 45

Overload relay type

Current setting range
Upper limit