

Contactors, types CI 61 - 98

Description



Thermal overload relays TI 80-86 are used with contactors type CI 61, CI 73 and CI 86 to give overload protection of squirrel-cage motors of 30 kW to 55 kW.

The relays trip under asymmetric load, i.e. accelerated release if phase drop-out occurs.

Other features of TI 80 and TI 86:

- stop/reset button
- manual/automatic reset
- test button
- double scale for direct start or Y/D start
- signal contact with changeover

Ordering

Thermal overload relays TI 80 and TI 86

Range		Max. fuse ¹⁾		Code no.	Type
Motor starter A	Y/D starter A	gL, gL, gG type 2 A	BS 88, type T type 2 A		
42-63	75-109	100	100	047H1016	TI 80
60-80	105-138	125	125	047H1017	TI 80
74-85	130-147	125	125	047H1018	TI 86

¹⁾ To IEC 947-4 coordination types 1 and 2:

Coordination type 1: Any type of damage to the motor starter is permissible. If the motor starter is in an enclosure, no external damage to the enclosure is permissible. After a short-circuit the thermal overload relay shall be partially or wholly replaced.

Coordination type 2: No damage to the motor starter is permissible, but slight contact burning and welding is permissible.

Selection of thermal overload relay

The selection of a thermal overload relay must be based on the motor full load current and the method of starting:

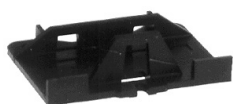
- With direct start the motor starter range applies.
- With star-delta start Y/D starter range applies.

Example:

Full load current: 85 A

-With direct start, the suitable motor starter range is 74-85 A, i.e. thermal overload relay 047H1018.

-With star-delta start, the suitable Y/D starter range is 75-109 A, i.e. thermal overload relay 047H1016.



Base



Push button extension



Current rail set

Accessories for thermal overload relays TI 80-86

Description	Comments	Code no.
Clip-on markers	For mounting on TI 80-86 (250-off)	037H010566
Base	For separate mounting of TI 80-86	047L045666
Pushbutton extension	For TI 9C-86 (3 mm)	047L040666
Current rail set	For direct mounting of TI 80/TI 86 TI for CI 98? on contactors CI 61-73-86 (set of 3)	037H010866