

Switching box with power contactors

for flange heaters



Application

For switching rated power of flange heaters.

Features

The integrated contactors serve to switch the load of flange heaters which have only a single-pole temperature controller and a single-pole temperature limiter. After reaching the set temperature at the temperature controller of the heater, this interrupts the control voltage of the contactors. By breaking the contactors, the voltage is disconnected at all poles, and the heating element waits until the temperature has dropped, and the temperature controller allows the contactors to re-energise. Two series-connected contactors guarantee the disconnection process even when a normally open contact remains stuck.

The switching box is made of robust powder-coated steel sheet.

- Type 1 The type 1 switching box is designed for flange heaters with a diameter of 180 mm in capacities of 12.0 kW and 15.0 kW.
Additional equipment for: AHFOR-B-E-12.0 / AHFOR-BI-E-12.0
AHFOR-B-E-15.0 / AHFOR-BI-E-15.0
- Type 2 The type 2 switching box is designed for flange heaters with a diameter of Ø 180 mm in a capacity of 18.0 kW.
Additional equipment for: AHFOR-B-E-18.0
- Type 3 The type 3 switching box is designed for flange heaters with a diameter of Ø 240 mm and 280 mm in capacities of 25.0 to 35.0 kW.
Additional equipment for: AHFOR-B-E-25.0 / AHFOR-BI-E-25.0 / AHFR-K-E-25.0
AHFOR-B-E-30.0 / AHFOR-BI-E-30.0 / AHFR-K-E-30.0
AHFR-K-E-32.0
AKFR-K-E-35.0
- Typ 4 The type 4 switching box is designed for flange heaters with a diameter of Ø 240 mm and 280 mm in capacities of 40.0 to 45.0 kW.
Additional equipment for: AHFOR-B-E-44.0 / AHFR-K-E-40.0
AHFR-K-E-45.0

Type summary

Type	Order-no.	Power	Voltage	Dimensions (HxWxD)
Type 1	012-0102	12.0 / 15.0kW	400V 3~	280x250x155mm
Type 2	012-0103	18.0kW	400V 3~	280x250x155mm
Type 3	012-0104	25.0 / 30.0 / 32.0 / 35.0kW	400V 3~	280x250x155mm
Type 4	012-0105	40.0 / 45.0kW	400V 3~	280x250x155mm

Technical data

Load rating (AC-1)

Protection class

Dimensions

Cable entries

Electrical connection

Colour

Type 1: 1x 32 A / 3x400 V~

Type 2: 1x 32 A / 3x400 V~

Type 3: 2x 32 A / 3x400 V~

Type 4: 2x 65 A / 3x400 V~

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280 mm x 250 mm x 155 mm (H x W x D)

Type 1 & 2: 2x M20 + 2x M25

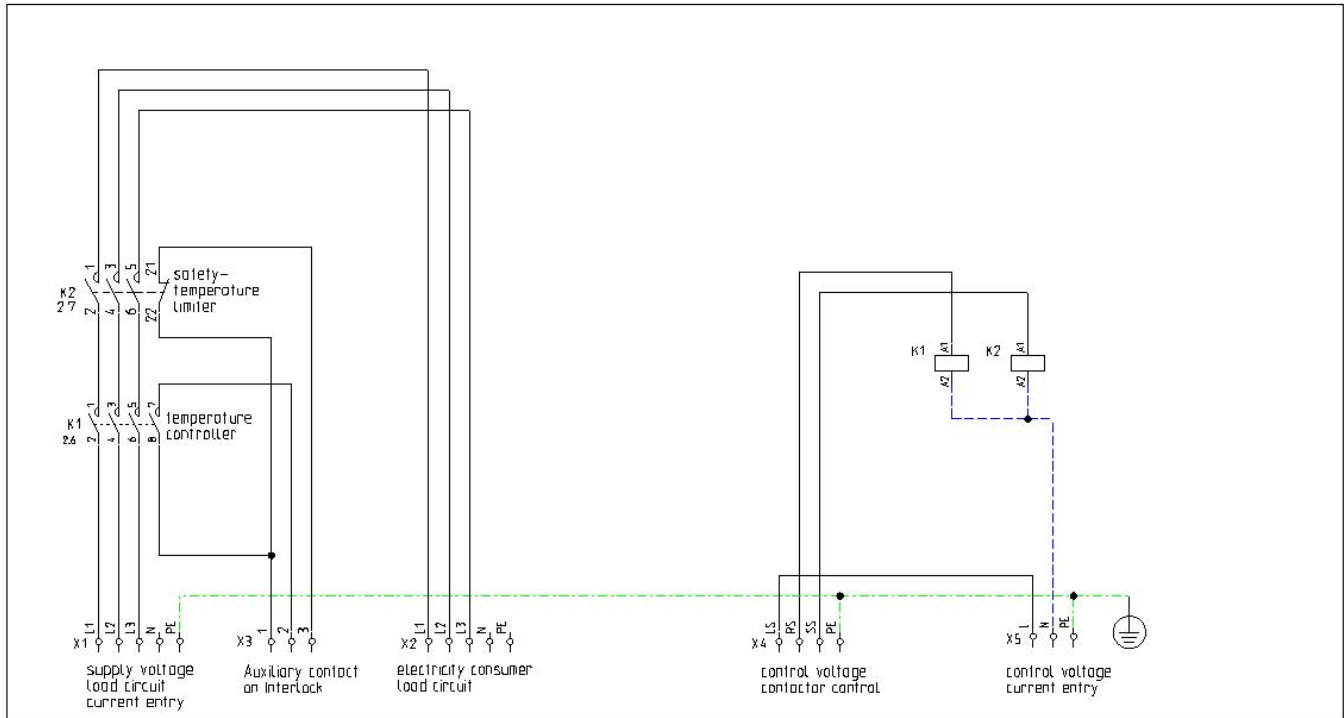
Type 3 & 4: 2x M20 + 4x M25

Spring-type terminals (max. 10 mm²)

RAL 7035 light gray

Wiring diagram

External switching box type 1 and type 2



External switching box type 3 and type 4

