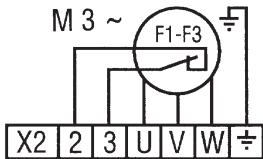


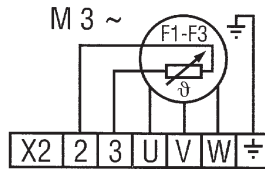


Thermal switch

PTC resistor



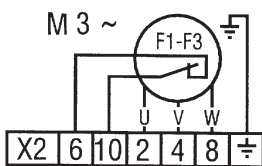
MSP 01



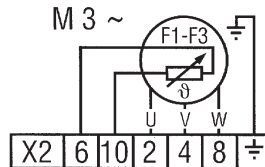
MSP 16

Wiring to terminal strip¹⁾

- Screw connection max. 2.5 mm²: basic version
- 4.0 mm²: ex-proof version
- Voltage range X2: up to 690 V possible
- Cable glands²⁾
- 2 groups with 2 x Pg 29 and 1 x Pg 13.5 or
- 2 groups with 2 x M 32 x 1.5 and 1 x M 20 x 1.5
- Delivery with covered cable entry
- Options on request



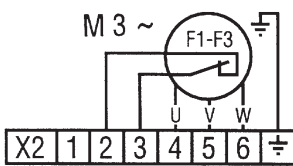
MSP 64



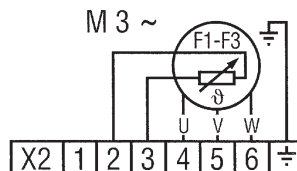
MSP 43

Wiring to compact plug connector

- X2: cage-clamp connection max. 2.5 mm²
- X1: screw connection max. 2.5 mm²
- Voltage range X2: _ 750 V/16 A
- Cable glands
- 2 x Pg 29 and 1 x Pg 13.5 or
- 2 x M 32 x 1.5 and 1 x M 20 x 1.5
- Delivery with covered cable entry
- Options on request



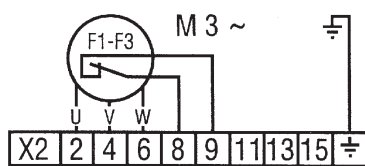
MSP 02³⁾



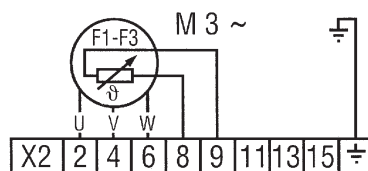
MSP 17³⁾

Wiring to compact plug connector

- X2: screw connection max. 6 mm²
- X1: screw connection max. 2.5 mm²
- Voltage range X2: _ 500 V/35 A
- Cable glands
- 2 x Pg 29 and 1 x Pg 13.5 or
- 2 x M 32 x 1.5 and 1 x M 20 x 1.5
- Delivery with covered cable entry
- Options on request



MSP 03³⁾



MSP 24³⁾

Wiring to compact plug connector

- X2: cage-clamp connection max. 2.5 mm²
- X1: screw connection max. 2.5 mm²
- Voltage range X2: _ 750 V/16 A
- Cable glands
- 2 x Pg 29 and 1 x Pg 13.5 or
- 2 x M 32 x 1.5 and 1 x M 20 x 1.5
- Delivery with covered cable entry
- Options on request

Remarks

Motor

The 3 ph AC enclosed motor is starconnected ex works. Different motor versions and connections (MSP) in special version are available.

F1-F3

Motor protection by thermal switches: MSP 01, 64, 02, 03
Option: thermistor: MSP 16, 43, 17, 24

Hinweis 1

To ensure „safe electrical isolation“ in compliance with EN 50178, additional protective measures must be taken by the user.

Note 2

For explosion-proof application

- A thermal overcurrent relay must be used on site for ex-proof motors with thermal switches.
- A suitable PTB-tested trip unit (sole protection) must be used on site if the motor is protected by thermistor elements.

Note 3

Thermal motor protection with thermistors

- Thermistors according to DIN 44082
- Test voltage _ 2.5 V DC
- Max. permissible voltage 30 V DC
- Application only with trip units made in accordance with accepted standards

Note 4

It is not allowed to unplug the electrical plug/socket connector under voltage.

¹⁾ Always for actuators in ex-proof version.
For other actuators on special request.

²⁾ Further applications on request.

³⁾ Version delivered till end of 1994, still available on request.