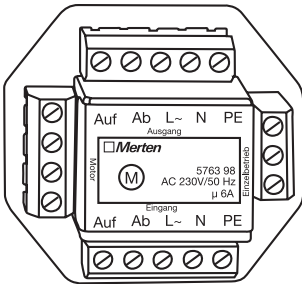


Multiple control relay for roller shutters, flush-mounted



Article no.
576398

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1. Function

Conventional roller shutter motors may not be connected in parallel and operated on a conventional roller shutter push-button as it can otherwise lead to the motor being damaged due to electrical feedback.

The multiple control relay for roller shutters, flush-mounted enables the function of an isolating relay to be used in the simplest way.

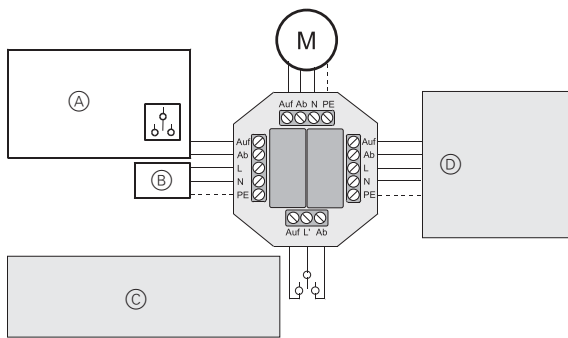
Comprehensive functions can be implemented with the multiple control relay for roller shutters, flush-mounted. Individual roller shutter motors can be connected together in groups, subgroups and then combined for central control. The entire control is then taken over by a single push-button.

The central command operates in a priority circuit. Only blind push-buttons may be used for the individual operation of the motors. If blind switches are used for the individual operation, damage to the motor cannot be ruled out.

2. Installation

The multiple control relay for roller shutters, flush-mounted is mounted in the switch box or junction box. Please use a damp-proof box for mounting in roller shutter boxes. With its particularly flat design of only 22 mm, the multiple control relay for roller shutters has sufficient space in a standard flush-mounted box. It is advisable to install the device in a deep flush-mounted box. The flush-mounted box can also be covered with blanking covers of all the flush-mounted ranges.

Connection



- (A) Input central command control voltage 230 V
Blind switch or roller shutter timer
- (B) Mains
- (C) Individual operation: Blind push-button

Note:
Only blind push-buttons may be used for the individual operation!
Blind switches can cause damage to the installation!

- (D) To further multiple control devices or to a further motor or remains unoccupied

N: Neutral conductor
L: Phase
L': Switched phase
Up: Motor direction Up
Do: Motor direction Down
wn:
PE: PE conductor

3. Commissioning

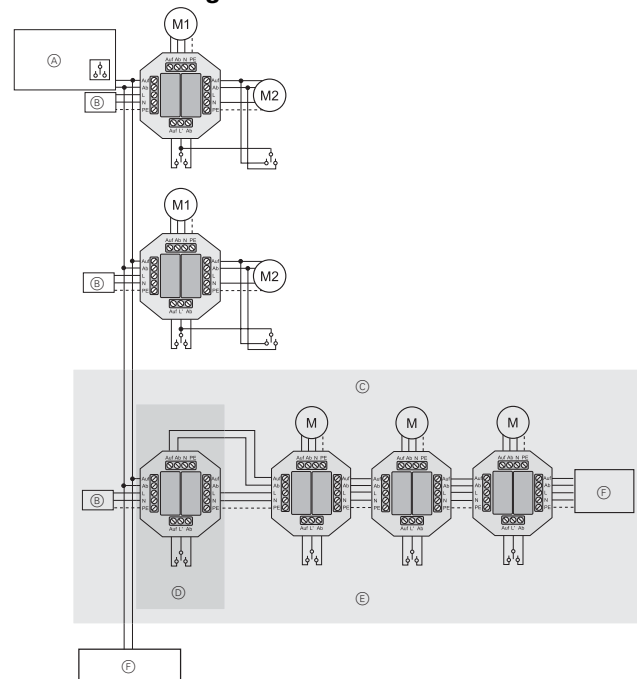
Configuration examples

Example 1: (2-motor operation) and group control

Two drives are connected to a multiple control relay for roller shutters. The motors can be operated individually via manual push-buttons.

Group control structure with one subgroup.

Connection diagram



Connections

- (A) Input central command control voltage 230 V
Blind switch or roller shutter timer
- (B) Mains
- (C) Application example for the integration of a subgroup
- (D) Multiple control device as a control unit for group operation

(E) An additional multiple control device is required for each subgroup. In this application example, one motor is controlled in the subgroup per multiple control device (1-motor operation). Alternatively, 2 motors can be operated on one multiple control device, as shown above (2-motor operation).

- (F) To further devices
- N: Neutral conductor
L: Phase
L': Switched phase
Up: Motor direction Up
Do: Motor direction Down
wn:
PE: PE conductor

Note:
Only blind push-buttons may be used for the individual operation!
Blind switches can cause damage to the installation.

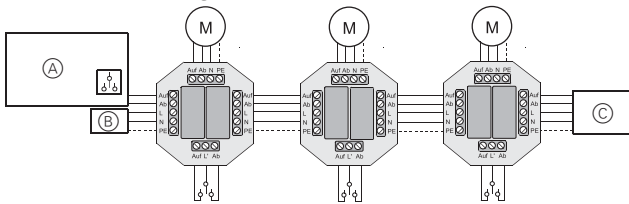
Note:
When configuring and planning the complete in-

stallation, the total phase load must be taken into account.

Example 2: (1-motor operation)

Three drives should be controlled together via a push-button or a blind time switch. In addition, the motors should be operated individually via manual push-buttons.

Connection diagram



- Ⓐ Input central command control voltage 230 V
Blind switch or roller shutter timer
- Ⓑ Mains
- Ⓒ To further devices
- N: Neutral conductor
- L: Phase
- L': Switched phase
- Up: Motor direction Up
- Do: Motor direction Down
- wn:
- PE: PE conductor

4. Technical Data

Mains voltage:	AC 230 V/50 Hz ±10%
Control voltage:	AC 230 V, ±10%
Power consumption:	10 mA in relay mode
Switching voltage:	max. AC 250 V
Switching capacity:	max. 6 A
Temperature range:	0-60 °C
Terminals:	max. 1.5 mm ²
Dimensions:	22x49x52 mm (HxWxD)
Installation:	(Deep) flush-mounted box