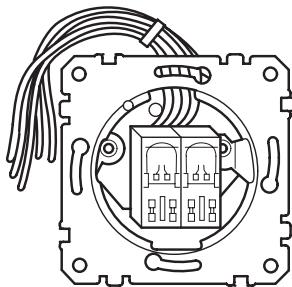


Multiple control relay insert for roller shutters**Article no.**

576399

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1. Function

If a switching command is carried out by the central control unit, the multiple control relay insert for roller shutters interrupts the power supply to the manual push-button and switches the drive directly. Once the central control has dropped out (2-3 minutes depending on the type), the manual push-button is enabled again.

2. Installation

The multiple control relay insert for roller shutters is a flush-mounted device with a retaining ring but no claws for screw fixing in a switch box. It is completed with blanking covers of all flush-mounted ranges.

By removing the retaining ring, an invisible installation in a switch box is also possible. It is then covered with a box lid. (Not recommended, as the device is then no longer accessible).

The multiple control relay for roller shutters has an open board with 2 relay bases. Nine connecting wires (flexible, 0.75 mm² with connecting sleeves, length approx. 10 cm) are directly soldered to the device. There are no terminals on the device.

Due to the large number of terminals, a combination of two junction boxes (60 mm deep) should be installed so that a box is available as a terminal compartment.

Connection

Up to two drives can be connected to a multiple control relay for roller shutters (see circuit diagrams). The following rule applies:

- Up to four drives can be controlled with two multiple control relays for roller shutters.
- If there are more than four drives, only one drive can be connected per multiple control relay as the motor outputs (M2) are supplied via the central input cables and generate too high a load for the central time switch when they are connected together.

System-compatible devices

Central operation: – Roller shutter control (3-conductor device, art. no. 5760.., 5780..)

– Roller shutter control insert (4-conductor device, art. no. 576999)

– Roller shutter push-button (art. no. 315500)

– Roller shutter switch (art. no. 311501, leads to continuous locking of the local operation while it remains switched on)

Local operation: – Only roller shutter push-button (art. no. 315500)

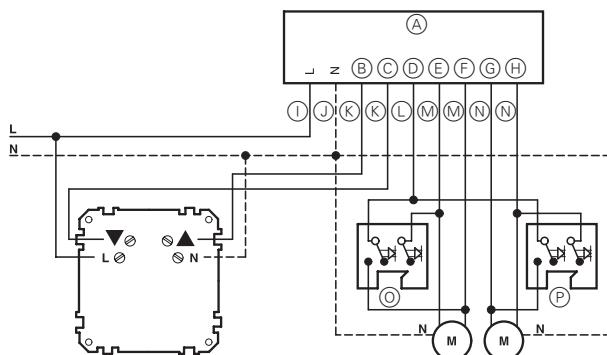
3. Commissioning

Configuration examples

Example 1

Two drives should be controlled together via an electronic roller shutter control. In addition, it should be possible to operate the two motors individually via manual push-buttons.

Connection plan

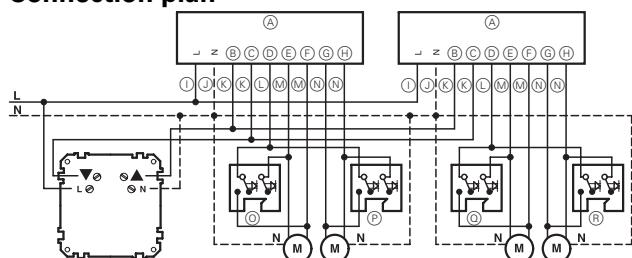


- (A) Multiple control relay insert for roller shutters
- (B) A up
- (C) A down
- (D) Manual
- (E) M1 up
- (F) M1 down
- (G) M2 up
- (H) M2 down
- (I) black
- (J) blue
- (K) green
- (L) violet
- (M) brown
- (N) red
- (O) Manual push-button 1
- (P) Manual push-button 2
- (Q) Manual push-button 3
- (R) Manual push-button 4

Example 2

Four drives should be controlled together via an electronic roller shutter control. In addition, it should be possible to operate the motors individually via manual push-buttons.

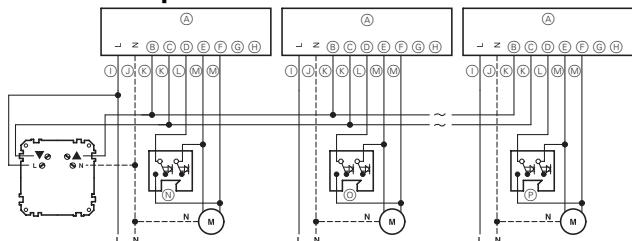
Connection plan



- (A) Multiple control relay insert for roller shutters
- (B) A up
- (C) A down
- (D) Manual
- (E) M1 up
- (F) M1 down
- (G) M2 up
- (H) M2 down
- (I) black
- (J) blue
- (K) green
- (L) violet
- (M) brown
- (N) red
- (O) Manual push-button 1
- (P) Manual push-button 2
- (Q) Manual push-button 3
- (R) Manual push-button 4

Example 3

An unlimited number of drives should be controlled together via an electronic roller shutter control. In addition, it should be possible to operate all the motors individually via manual push-buttons.

Connection plan

- Ⓐ Multiple control relay insert for roller shutters
- Ⓑ A up
- Ⓒ A down
- Ⓓ Manual
- Ⓔ M1 up
- Ⓕ M1 down
- Ⓖ M2 up
- Ⓗ M2 down
- Ⓘ black
- Ⓙ blue
- Ⓛ green
- Ⓜ violet
- Ⓜ brown
- Ⓝ Manual push-button 1
- Ⓞ Manual push-button 2
- Ⓟ Manual push-button n

**Note:**

Phase equality is not absolutely necessary but it must be possible to carry out an all-pole disconnection in the event of an error and when carrying out work on the device.



For through-wiring including incoming cable, the total permitted load of the fuse/circuit-breaker must be noted. Rule of thumb: ca. approx. 10 drives per circuit.

4. Technical Data

Multiple control relay for roller shutters for insertion in a size 58 flush-mounted box

Nominal voltage: 250 V/50 Hz
Nominal current: 5 A, $\cos \varphi = 1$
2 A, $\cos \varphi = 0.4$