

FMS12-12V DC



-12V	+12V
RSA	RSB
K(L)	1
(N)	2

Switching actuator multifunction time relay. 1+1 NO contacts potential free 16A/250V AC, incandescent lamps 2000 watts, with DX technology. Only 0.05-0.5 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting.
1 module = 18mm wide, 58mm deep.

State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.

**Connection to the Eltako RS485 bus, terminals RSA and RSB.
Up to a total of 128 actuators can be added in this way.**

Up to 35 pushbuttons can be assigned, of which one or more central control pushbuttons.

Patented Eltako Duplex technology (DX) allows you to switch normally potential free contacts in zero passage switching when 230V A/C voltage 50Hz is switched. This drastically reduces wear. To achieve this, simply connect the N conductor to the terminal (N) and L to K(L). This results in an additional standby consumption of only 0.1 watt.

Maximum current as the sum of both contacts 16A at 230V.

The 12V DC supply voltage of the complete RS485 bus is mainly powered at 6W, 12W or 24W by a switch mode power supply unit SNT12-12V DC that is only 1 or 2 pitch units wide. When both relays of the FSM12 are switched on, 0.5 watts is required.

The upper and the middle rotary switches are for teaching-in the sensors. In normal mode, the middle rotary switch is then set to AUTO and the bottom rotary switch to the required function:

- 2S** = Impulse switch with 2 NO contacts
- (2xS)** = 2-fold impulse switch with 1 NO contact each
- WS** = Impulse switch with 1 NO contact and 1 NC contact (0.3W standby loss)
- SS1** = Impulse multi circuit switch 1 + 1 NO contacts for switching sequence 1
- SS2** = Impulse multi circuit switch 1 + 1 NO contacts for switching sequence 2
- SS3** = Impulse multi circuit switch 1 + 1 NO contacts for switching sequence 3
- GS** = Impulse group switch 1 + 1 NO contacts
- 2R** = Switching relay with 2 NO contacts
- WR** = Switching relay with 1 NO contact and 1 NC contact (0.3W standby loss)
- RR** = Switching relay (closed-circuit current relay) with 2 NC contacts (0.5W standby loss)
- GR** = Group relay 1 + 1 NO contacts

Switching sequence SS1: 0 - contact 1 (K-1) - contact 2 (K-2) - contacts 1 + 2

Switching sequence SS2: 0 - contact 1 - contacts 1 + 2 - contact 2

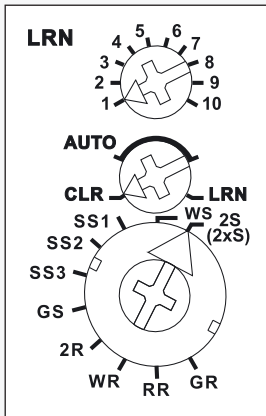
Switching sequence SS3: 0 - contact 1 - contacts 1 + 2

Switching sequence GS: 0 - contact 1 - 0 - contact 2

GR: Relay with alternating closing contacts.

The LED below the upper function rotary switch performs during the teach-in process according to the operation manual. It shows control commands by short flickering during operation.

Function rotary switches



Standard setting ex works.

Connection example page 4-0.

Technical data, see page T-0.

Housing for operating instructions

GBA12 page Z-4.

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RS485 bus switching actuator

EAN 4010312302842

40,60 €/pc.

Recommended retail prices excluding VAT.