ombra BA2
Double sunblind actuator
Order no.: 120 202 / 120 203

Image

Product description

The ombra BA2 sunblind actuator is designed for connection to the R-series- or sistema MC16-controller. The maximum switching capacity for each output is up to 250W. The relay outputs are interlocked against one another. There is a separate supply cable for every motor channel.

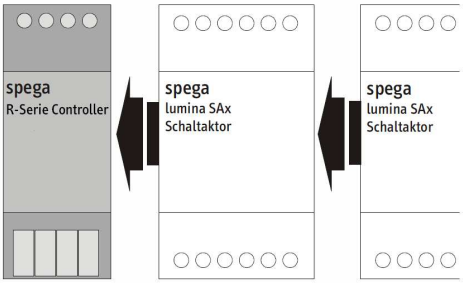
The sunblind actuator can be operated in conjunction with other e.control actuators for lighting or sunblinds, up to a total of 16 channels, together on one controller.

In the BA2-b version, the actuator has a manual control level, allowing the blind to be raised or lowered independently of the bus operation, as well as LEDs for indicating the direction of travel of the blind.

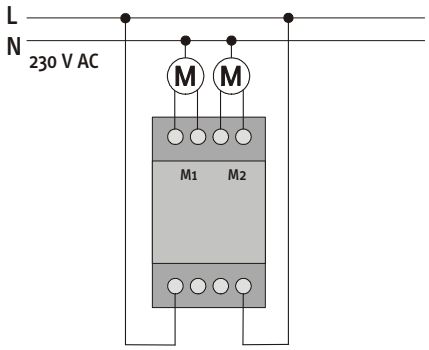
For configuration purposes, an easy LNS plug-in is available for the controller.

Terminal diagram

Connection to controller



Input/output connections



spega Order information

Order number	Description
120 202	*ombra BA2* Double sunblind actuator
120 203	*ombra BA2* Double sunblind actuator with manual control level
121 100 C	*R series controller* Controller for R series modules

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Double sunblind actuator
Order no.: 120 202 / 120 203

Assembly instructions

1 Install on a DIN EN50022 rail, width 2 TE.

2 The connection interface is located on the left-hand side of the housing. The actuator must only be operated with a spega e.control controller. Please note the maximum space available on the DIN rail.

3 Note: When switching off inductive loads at the actuators (e.g. motors), high-frequency disturbing pulses may occur which could affect the operability of the bus device. Please refer to the manufacturer's instructions for details.

Electrical devices must be assembled and installed by trained personnel only.

Please observe local standards, guidelines and regulations when planning and installing electrical devices.

The device specifications given in this document must be adhered to.

Operation

ombra BA2:

No control or display elements

ombra BA2-b:

Each motor can be switched on or off manually using a rotary switch installed on the front. The third switch position is used for enabling the channel for activation via the controller.

Each channel has an LED which indicates the direction of travel of the motor.

Technical data

Power supply	
Operating voltage	24V DC (18...27V DC) via spega controller
Current input	max. 40mA (960mW)
Inputs/outputs	
Actuator interface	r-series- or sistema MC16-controller compatible
Motoroutputs	2 x 2 relay outputs, electrically locked nominal voltage max. 250V switching capacity 250W (AC-3 type load)
Output load vs. number of switching cycles	250 W bei > $5*10^4$ cycles 130 W bei > $2*10^5$ cycles 80 W bei > $5*10^5$ cycles
Connections	
Actuator interface	integrated 14-pin socket
Switch outputs	6 x 1pin screw terminal Ø up to 4mm²
Control elements	
Service pushbutton	---
Other	ombra BA2-b: 3-step rotary switch for each channel with „Up, „Bus“ and „Down” positions
Display elements	
Service LED	---
Other	ombra BA2-b: Driving direction-LED: „Up“ and „Down“
Housing	
Type of protection	IP 20 (DIN 40050 / IEC 144)
Dimensions	85 (45) x 52,5 x 60 (H x W x D) – corresponds to 3 modular spacings
Type/location of installation	Standard distribution, 35mm mounting rail
Ambient conditions	
Operating temperature	-5℃ ... +45℃
Storage temperature	-25℃ ... +55℃
Transportation temperature	-25℃ ... +70℃
Rel. humidity	5% ...93% (without condensation)
Installation height	up to 2000 m above sea level
Safety	
Electrical isolation	SELV (EN 60 950)
Class of protection	I (IEC 536 / VDE 106 part 1)
Standards/guidelines	
Device safety	acc. to EN 50 090-2-2
Immunity	acc. to EN 50 090-2-2
Certification	CE