

Image



Product description

The ombra BA4 sunblind actuator is designed for connection to the R-Series controller (order no.: 121 100C). 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.

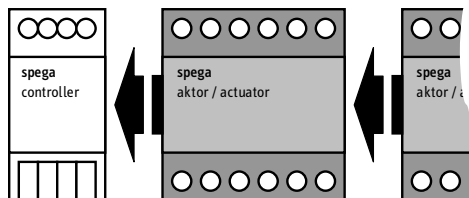
The sunblind actuator can be operated in conjunction with other e.control actuators for lighting or sunblinds, up to a total of 16 channels, together on one controller.

In the BA4-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.

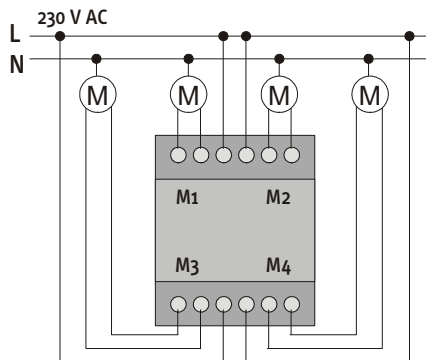
For configuration purposes, an easy LNS plug-in is available for the controller.

Terminal diagram

Connection to controller



Input/output connections:




spega Order information

Order number	Description
120 204	<i>ombra BA4</i> Quadruple sunblind actuator
120 205	<i>ombra BA4-b</i> Quadruple sunblind actuator with manual control level
121 100 C	<i>R-Series controller for operating the actuator at the LON network, max. 16 channels</i>

Assembly instructions

- 1 Install on a DIN EN50022 rail, width 4 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 BA4:

No control or display elements

ombra BA4-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
 max. 80mA (1920mW)

Current input

Actuator interface

R-Series controller interface compatible

Motor outputs

4 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 > 2*10⁵ cycles
 130 W bei > 5*10⁵ cycles
 80 W bei > 1*10⁶ cycles

Connections

Actuator interface

integrated 14-pin socket

Switch outputs

12 x 1 pin screw terminal
 Ø up to 4mm²

Control elements

Service pushbutton
 Other

ombra BA4-b:
 3-step rotary switch for each channel with „Up“, „Bus“ and „Down“ positions

Display elements

Service LED
 Other

ombra BA4-b:
 driving direction LED: „Up“ and „Down“

Housing

Type of protection

IP 20 (DIN 40050 / IEC 144)

Dimensions

85 (45) x 70 x 60 (H x W x D) –
 corresponds to 4 modular spacings

Type/location of installation

Standard distribution, 35mm mounting rail

Ambient conditions

Operating temperature
 Storage temperature
 Transportation temperature
 Rel. humidity
 Installation height

-5°C ... +45°C
 -25°C ... +55°C
 -25°C ... +70°C
 5% ...93% (without condensation)
 up to 2000 m above sea level

Safety

Electrical isolation
 Class of protection

SELV (EN 60 950)
 I (IEC 536 / VDE 106 part 1)

Standards/guidelines

Device safety
 Immunity
 Certification

acc. to EN 50 090-2-2
 acc. to EN 50 090-2-2
 CE