Lime Knx Switch Actuators

Purely Ohmic Load

DESCRIPTION

- The Netra - series standard Load switching actuators are especially suited for high loads, the load for each channel is 16A at 250V AC, each channel can be assigned its own mains phase.
- Each channel is connected to a screw terminal
- Each channel has a button for manual operating and a LED for the switching status.
- 3, 5 and 9 channels

TECHNICAL DATA:

Power supply	24V DC via KNX
Auxiliary power supply	Not necessary
Protection class:	IP 20
Installation:	35mm DIN rail
Max. group addresses	96
Rated load per contact	16A I 250V 50...60Hz
Mechanical life-cycle	106 switching operations
Operating temperature	45 °C

DIMENSIONS

- A3F16S-L 53 x 90 x 60 (3 RU)
- A5F16S-L 71x 90 x 60 (4 RU)
- A9F16S-L 106 x 90 x 60 (6 RU)

CAPACITIVE LOAD

- A3F16S-L 140µF
- A5F16S-L 140µF
- A9F16S-L 140µF

The total load must not cause overheating of the device!

PRODUCTION IN GERMANY, CERTIFIED ACCORDING TO ISO 9001
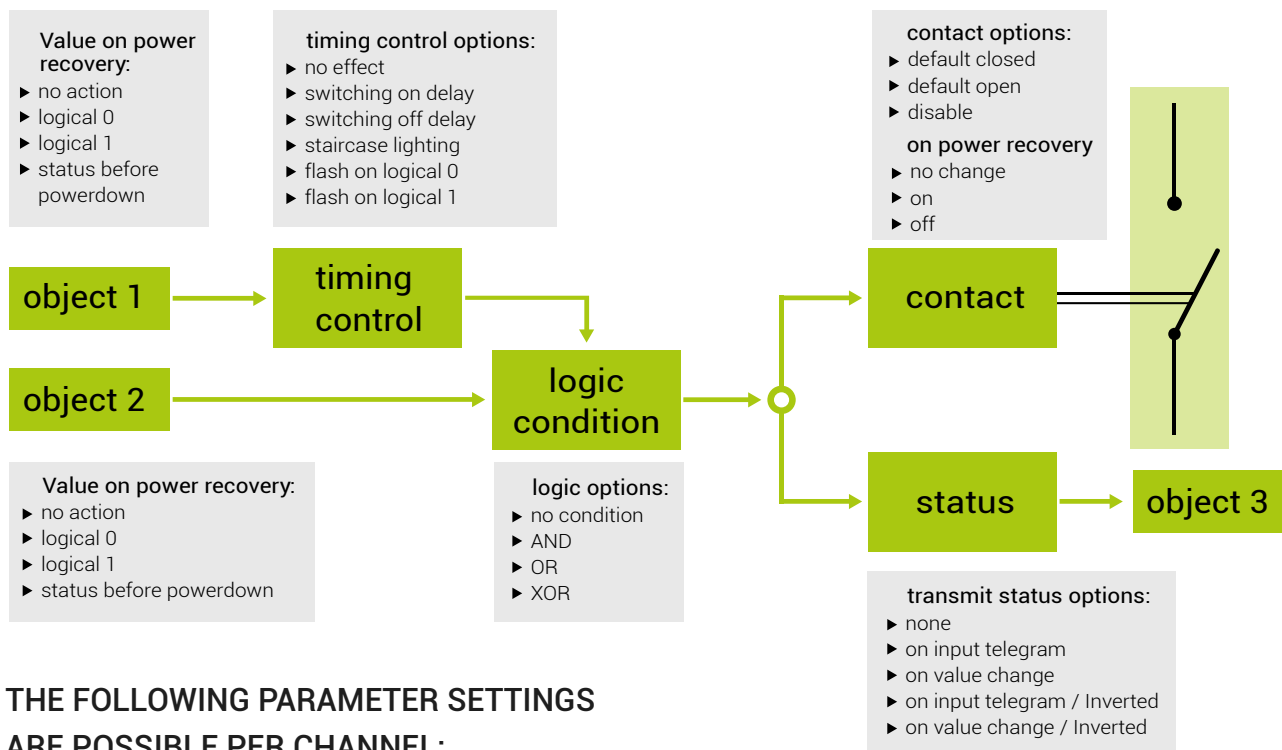
PRODUCT AND FUNCTIONAL DESCRIPTION

- The switching actuators should be suited for capacitive loads
- The load for each channel is 16A at 250V AC, each channel can be assigned its own mains phase.
- Each channel has a button for manual operating and a LED for the switching status.

APPLICATION PROGRAM:

The switching actuator has the application program which can be loaded with ETS.
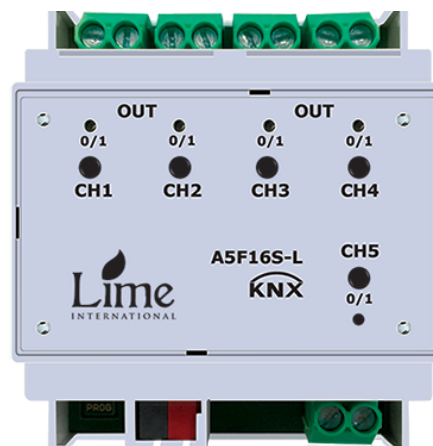
In bus mode a communication object for switching, for status check and for logic operation can be available per channel.
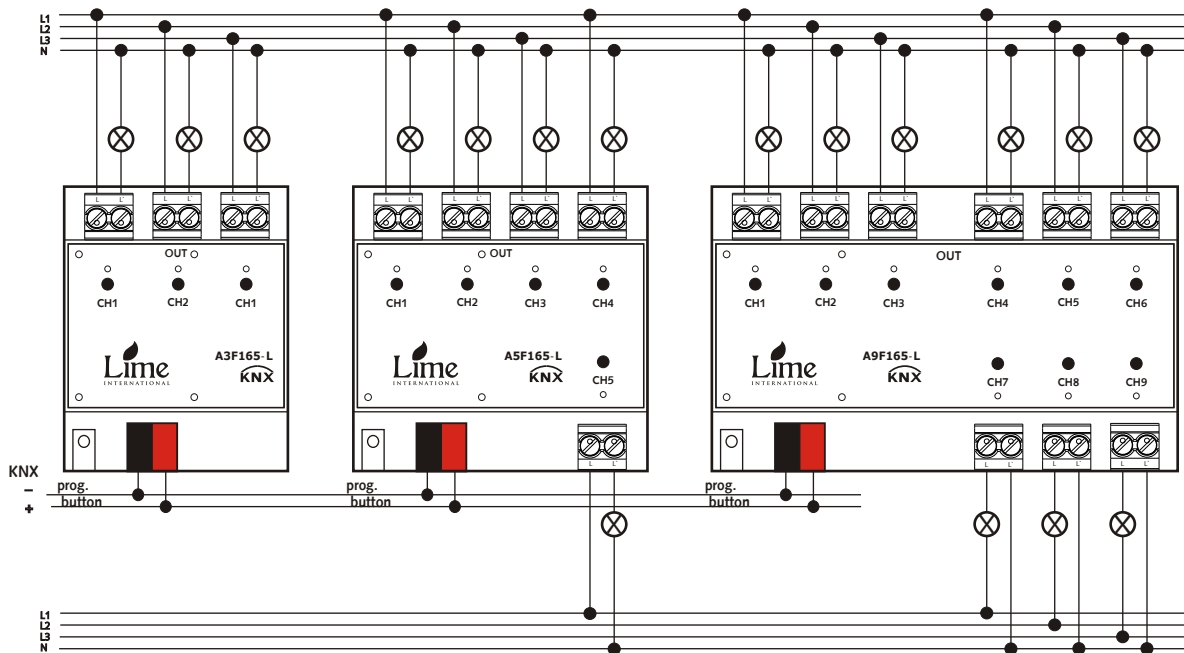
In addition, you can choose whether all channels shall be configured jointly and hence identically or each channel separately and individually.

Value on power recovery:
- ▶ no action
- ▶ logical 0
- ▶ logical 1
- ▶ status before powerdown

timing control options:
- ▶ no effect
- ▶ switching on delay
- ▶ switching off delay
- ▶ staircase lighting
- ▶ flash on logical 0
- ▶ flash on logical 1

contact options:
- ▶ default closed
- ▶ default open
- ▶ disable

on power recovery
- ▶ no change
- ▶ on
- ▶ off

object 1 → timing control

object 2 → logic condition

timing control → logic condition

logic condition → contact / status

contact

status → object 3

Value on power recovery:
- ▶ no action
- ▶ logical 0
- ▶ logical 1
- ▶ status before powerdown

logic options:
- ▶ no condition
- ▶ AND
- ▶ OR
- ▶ XOR

transmit status options:
- ▶ none
- ▶ on input telegram
- ▶ on value change
- ▶ on input telegram / Inverted
- ▶ on value change / Inverted

THE FOLLOWING PARAMETER SETTINGS ARE POSSIBLE PER CHANNEL:

- Operating mode (normal / time switch mode)
- 32 scenes per channel
- Relay mode (normally open contact / normally closed contact)
- Logic operation functions, (none, AND, OR, XOR)
- Time functions (ON delay / OFF delay)
  - ★ Status functions
  - ★ Announce function,
  - ★ inhibit function,
  - ★ hour meter
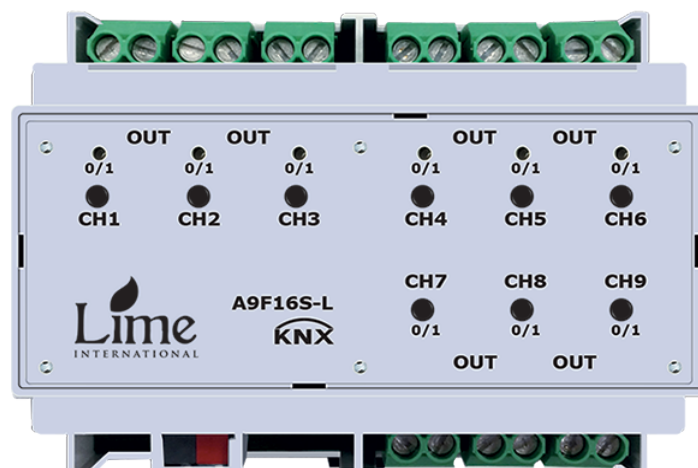- Switching state after mains voltage recovery.

TERMINALS

Conductors permitted:

- ★ Single core — 0,2 - 6mm²
- ★ Fine wired with end sleeves — 0,2 - 4mm²

MOUNTING

The device is mounted on DIN rail, DIN EN 60715 TH35

CONFIGURATION

Programming the device is provided via the ETS Software and the corresponding product data base.
The actual version is available at:

www.lime-smart.com   in the service area

WARNINGS

The device must only be installed and configured by a qualified professional.

If the 230V outputs are connected to different phases, witch are not protected by the same protector unit, a clearly safety note has to be attached to the device! Health and safty regulations have to be compiled with!

A faulty device must be returned immediatly to Lime international.

Legal Notice

KNX

This device is complies with the KNX guidelines. Detailed knowledge of KNX and KNX training are a pre-condition for understanding and proper installation.
Planning, installation and commissioning of the device are done withe KNX-certified software.