Switch Actuator AKS Standard 16 A flush mounted [AKS-0xUP.03]

High switching capacity in a compact housing, the MDT standard switch actuator for installation in the switch box. The switch actuator with one or two channels is equipped with bistable relays for currents up to 16 A and high C-loads up to 140 µF. AKS standard switch actuators are characterised by their wide range of functions.

AKS-01UP.03

Threshold function

Channels can be switched, for example, when a temperature, brightness or humidity is reached. Different actions can be set for exceeding/falling below a threshold value.
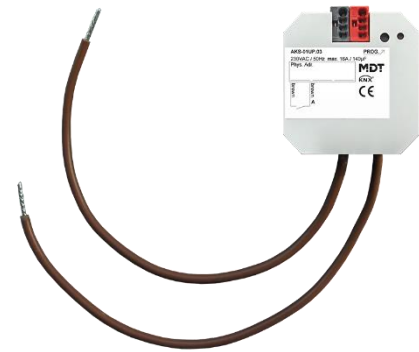
Pulse function

Switching pulses from 300ms to 30s can be generated. For example, to switch the garage door or activate the bell.
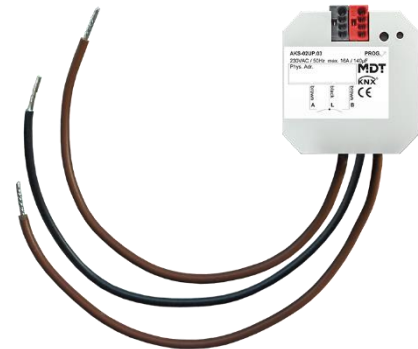
Advanced staircase lighting function

With the normal staircase lighting function, the staircase lighting is switched on for a set time after pressing the light push-button. The extended staircase lighting function allows the time to be added up by pressing the light push-button several times. Furthermore, the time for the staircase light can be optimised and set separately for each floor. By means of a 1-byte value stored in the push-button, the light can be switched on different floors with different durations. The prewarning can flash the push-button LEDs via an object. The channel with staircase lighting function can be used in parallel as a switching channel by means of an additional switch object that can be activated. Suitable for air functions, for example.

AKS-02UP.03

Extended logic function

The switching object of each channel can be linked with up to 2 external objects (AND/OR/XOR/gate function). The inputs can be inverted as required and set to a specific value after bus power return. This prevents undesired behaviour during a reset.

Lock function, priority/forced guidance

In addition to the usual lock function, each channel has a priority/forced guidance. With the priority/forced guidance, a switching channel can be permanently switched ON or OFF via a 1- or 2-bit object. A fallback time can be set for the priority function. The behaviour after bus voltage recovery, locking and unlocking or priority can be set differently.

Operating hours meter

The actuator includes an operating hours meter for each channel, which can be reset via a 1-bit object. Alternatively, a service counter can be activated for each channel, which sends a service message - e.g., filter change - after a defined number of operating hours.

Extended scene function

In addition to switching a channel on or off, the extended scene function can also lock or unlock it. Furthermore, saved scenes can be retained when the application is reprogrammed.

Central function

Can be activated per channel. The function enables simple programming of central switching functions. If the communication object of the central function is addressed, all channels with activated central function are switched.

Status objects

Status objects with adjustable transmission conditions and cyclical transmission behaviour are available for the AKS switch actuators. An inverted status object can be activated and can be used for visualisations or logics, for example.

Synchronous switching (AKS-02UP.03 only)

If required, the second channel can be switched synchronously to channel 1 without further configuration and linking.

Long Frame Support

The MDT switch actuator AKS supports "long frames" (longer telegrams). These contain more user data per telegram, which significantly reduces the programming time with the ETS.