Sales Information

ABB i-bus® EIB

Electronic Switch Actuator
ES/S 4.1.1

Intelligent Installation Systems
Even with today’s modern buildings, large amounts of energy are consumed unnecessarily when heating. There is considerable potential for saving energy when heating rooms both in the residential sector and office buildings. For example, households consume on average about three quarters of their total energy requirement for heating. In addition to using modern heating systems, further savings can be achieved by using of a bus system such as the ABB i-bus® EIB:

− individual room control allows the temperature to be adapted according to the room usage, e.g., a pleasant 23 °C in the bathroom, however, 19 °C in the kitchen/hallway.

− by controlling the room temperature according to the usage profile, e.g., raising the temperature in the bathroom and children’s room to 22 °C at 07:00 and lowering it again at 08:30, or increasing the temperature in the lounge when watching the television.

− by reducing the temperature in all the rooms during periods of absence, e.g., when you are leaving the house or when no presence is detected in an office over a longer period, the temperature can be lowered by up to 5 °C.

Electronic Switch Actuator ES/S 4.1.1

The electronic switch actuator is a DIN rail mounted device for the static switching of resistive loads. It is primarily used to control heating systems and cooling ceilings via electro-thermal valve drives.

The electronic switch actuator is intended for installation onto a mounting rail in electrical distribution boards or in panel boards for heating systems. The device is supplied with direct or alternating voltage 24 V ... 230 V AC/DC and has 4 non-isolated outputs available that switch both noise-free and with a low rate of wear than mechanical systems.

Supply voltage via ABB i-bus® EIB
Rated voltage 24 V ... 230 V AC/DC
Outputs 4, non-isolated
Rated current 0.7 A resistive load at T_u 45 °C
0.4 A resistive load at T_u 60 °C
Starting current Max. 1 A, 10 s at T_u 60 °C
Type of protection IP 20 in accordance with EN 60 529

Operating and display elements:
① LED and push button For entering the physical address
② Yellow LED Status display, Output ON (1 per output)
③ Green "ON" LED Supply voltage and bus OK
④ Red LED Fault (short circuit/overload)
⑤ Label For identifying the device
⑧ Line protection

Selection table

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Your EIB-Partner