85421700

DALI/DSI control insert, electronics

Technical characteristics

Architecture

Type of control unit	Push button

Functions

Function	automatic detection of DALI/DSI devices ; Remote control with KNX radio hand-held/wall-transmitters in combination with KNX radio buttons
Switching	for switching and controlling electr. ballasts and Tronic transformer with DALI/DSI interface
Operating mode	automatic selection of operating mode (active/passive)

Controls and indicators

Control	supplies the system voltage for additional DALI users when connected to mains voltage

Main electrical features

Frequency	50/60 Hz

Voltage

Operating voltage	230 V AC
DALI voltage	16 V DC

Electric current

Control current	40 mA
Output current	max. 40 mA

Fuse

Fuse	with electronic short-circuit and overload protection

Dimensions

Insertion depth	32 mm
Installation depth, flush-mounted boxes	32 mm
Claw guidance installation depth	32 mm
Housing installation depth	22 mm

Power

Power consumption (standby)	< 0.4 W

Measurement

Extension unit input	with extension unit input for push-button (NO contact)

Materials

Colour	white
Material / surface	no conductive connection between supporting ring and spreading claws

Connection

Screw terminals (max.)	2 x 1,5/1 x 2,5 mm²
Quantity of DALI devices	max. 20
Type of connection	with screw terminals
Number of substations	unlimited

Cable

DALI cable length at 1.5 mm²	max. 300 m
Cable length, extensions	max. 100 m

Equipment

Substation input	Yes
Number of DALI/DSI devices, passive operation	max. 64
Brightness	switch-on brightness level can be stored safe after power failure
DALI	Bus communication in Broadcast mode according to IEC 62386-102

Safety

REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

Operating temperature	-5...45 °C
Storage/transport temperature	-20...60 °C
Energy-saving	low intrinsic energy requirement
Relative humidity (without condensation)	0...65 % (without condensation)

Identification

Application, usage	Light control ; KNX radio- operating systems
Main design line	Electronics platform