☐ CE RoHS

DSI-EIB
Converter for EIB into DSI signals for separate installation

Product description

- Converter for converting EIB signals into DSI signals
- For connecting digital DSI devices in EIB systems
- 1 EIB input
- 1 DSI output for a maximum of 50 DSI devices
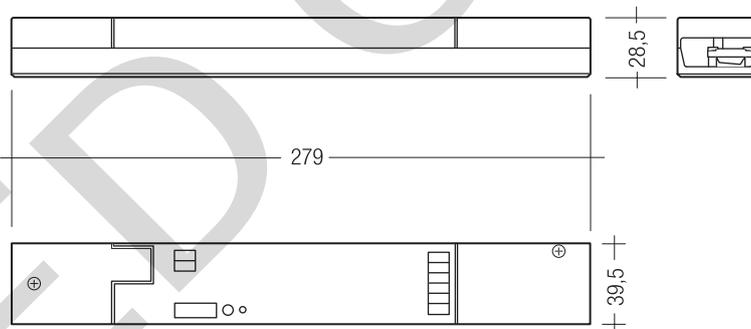- Surface-mounted casing

Note

- EIBP – Product database for DSI EIB / DSI EIBS.

  Download at www.tridonic.com

  (on product page of DSI-EIB in the „Downloads" tab)

Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	2.6 W
Ambient temperature ta	-5 … +45 °C
Type of protection	IP20

279

28,5

39,5

Ordering data

Type	Article number
DSI-EIB	20827097

Packaging: 1 pieces/carton, 10 pieces/carton

Specific technical data

Type	Inputs	Outputs		
	Dimming / Switching / Reporting	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm^2
DSI-EIB	KNX (EIB)	1	50	100 m

Functional description

The following configurations can be carried out by means of the product database EIBP 3.0 and the EIBA tool software ETS from Version 1.36:

Communication objects:
• Switch on/off = Object 0
• Dimming brighter/darker/stop = Object 1
• Absolute brightness value = Object 2
• Error indication = Object 3
• Master object (switch on/off) = Object 4

Parameters:
• Soft start yes/no
• Soft stop yes/no
• Brightness value is dimmed to/jumped to
• Dim out yes/no
• On-On = maximum value yes/no
• Switch-on brightness
• Lower dimming limit
• Upper dimming limit
• Soft start speed
• Soft stop speed
• Dim-to speed
• Dimming speed

Number of storable group addresses and of assignments for communication over the EIB:
• max. 10 in each case

If the master object is set to "0" with the On/Off switching function of the actuator the objects "Brightness value ..." and "Dim ..." are not evaluated: this function is used in facilities with daylight processors in order to prevent the daylight sensor switching on an actuator that was switched off manually. Although this does not comply with the EIBA agreement for EIS2 objects, it is very practical. As supplied, the master object is set to "1", i.e. the EIS2 functionality conforms to the EIBA agreement.

The product database EIBP 3.1 is available for larger EIB facilities and as a means of solving problems in the case of more demanding requirements:
• Communication objects as above, but without master object
• Parameters as above and additionally: Master function on/off
• Number of storable group addresses and assignments: 13 in each case

The parameter "Master function" always switches the device to the Off state if the manipulated variable reaches the value "0". A change from the Off state is then possible only through the object "Switch on/off". This means that the objects "Dim ..." and "Brightness value ..." do not react in the "Off" state of the dimming actuator. The EIS2 functionality in accordance with the EIB manual V2.21 is provided when the master function ins switched off.

Wiring diagram