

Parameters

Electrical Parameters :	
HDL Buspro input voltage	DC15~30V
HDL Buspro input current	5mA/DC24V
KNX/EIB input voltage	DC21~30V
KND/EIB input current	<6mA
Communication	HDL Buspro, KNX/EIB
Software programming	HDL Buspro Setup Tool
Environmental Conditions :	
Working temperature	0°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Product Information :	
Dimensions	72×90×66 (mm)
Weight	174(g)
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Installation Position	Distribution box (DB)
Protection degree	IP20

HDL Buspro Definition for Cable

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/ Orange	DC24V	Red
Brown white/ Orange white	COM	Black
Blue white/ Green white	DATA-	White
Blue/ Green	DATA+	Yellow

Overview



SB-DN-EIB is a gateway between HDL Buspro and KNX/EIB

Functions

- Support various Data Point.
- Two-way communication for HDL Buspro and KNX/EIB.
- Controls up to 254 targets.

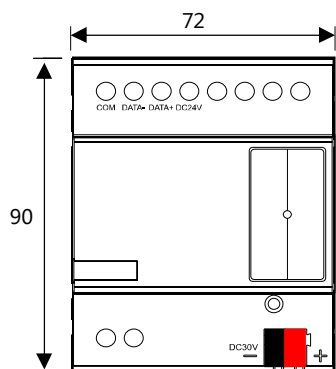
Installation Step

- 35mm DIN rail Installation, inside DB box.
- Connect HDL Buspro cable, EIB cable.
- Check the HDL Buspro and EIB connection, avoid any mistakes.

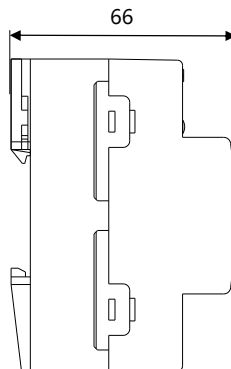
Important Notes

- Buspro cable – CAT5E or HDL Bus/KNX cable
- HDL Buspro Connection–Series connection (hand-in-hand)
- Configuration – Only by HDL Buspro Setup tool
- Connect checking–Check all connection after installation

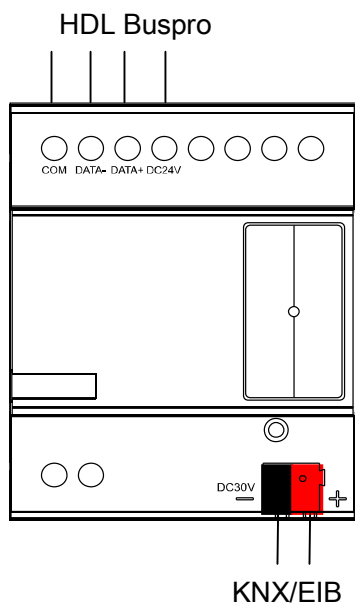
Dimensions and Wiring



Front View



Side view



Supported Data Point type as following:

- Scene switch (1byte[1...99])
- Scene dimming (4bits)
- Sequence switch (1byte [1...99])
- Switch (1bit)
- Channel switch (1bit)
- Channel dimming (4bits)
- Broadcast scene (1byte[1..99])
- Broadcast Channel switch (1bit)
- Broadcast Channel dimming (4bits)
- Curtain open:1bit (1-ON;0-FF)
- Curtain close:1bit (1-ON;0-FF)
- Message:1byte (1...20)
- String:14 bytes (14bytes)
- Absolute dimming (1byte)
- Actual temperature (2bytes)
- 1bit response (1bit)
- 1byte response (1byte)

Safety precaution



- The screw down strength should not exceed 0.4Nm
- Do not make wrong connection on Bus interface, it will damage the Bus interface of this module
- Do not let liquids get into the module, it will damage this devices
- Do not get AC power into Bus wire , it will damage all devices in the system
- Avoid contact with liquids and aggressive gases

Packing list

- SB-DN-EIB*1
- Datasheet*1

