

## MX KNX - DALI GATEWAY

### MX-DA110 KNX - DALI GATEWAY



## General Features

- MX-DA110 KNX-DALI Gateway operates as an interface device between KNX bus and DALI bus (According to DALI Standard-IEC 62386). DALI line power supply is integrated in the device.
- Maximum 64 DALI devices (e.g. electronic ballast, transformer, LED driver) can be connected to DALI output.
- MX-DA110 enables to control 64 DALI devices individually and can store 16 different lighting scenes.
- Addressing and test operations of DALI devices is made via Windows based PC software. (EAE DALI Tool)
- DALI devices fault information can be monitored by device based via different communication objects on the KNX.
- MX-DA110 has internal DALI power supply which is enough to energize up to 64 DALI devices.

\* Supported DALI sensor device: Tridonic - MSensor02, Art. No: 86459303



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### Technical Data

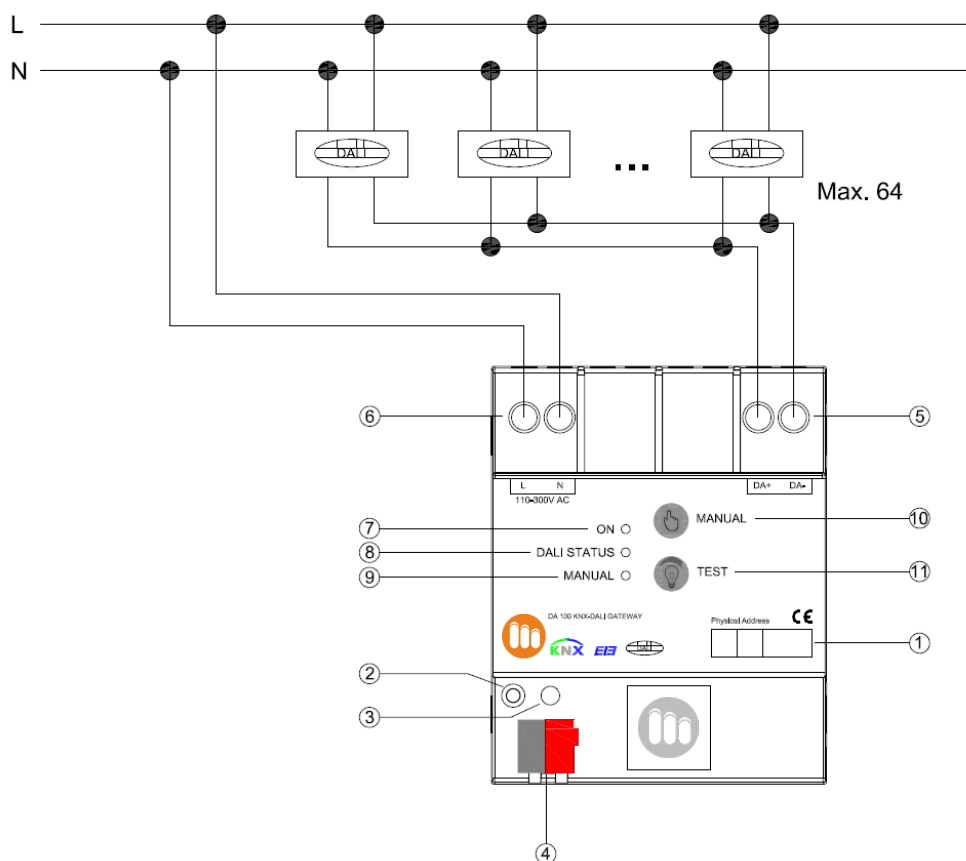
<b>Protection Grade</b>	IP 20	EN 60529
<b>Safety Class</b>	II	EN 61140
<b>KNX Supply (4)</b>	Voltage Current consumption	21 - 30V DC, SELV < 10mA
<b>Mains Supply (6)</b>	Voltage Power consumption Current consumption	85 - 300V AC @ 50-60Hz Max. 8W 100mA @ 85V AC
<b>DALI Supply (5)</b>	Voltage Current	16V DC typical Max. 200mA
<b>Connections</b>	Screw terminals  Max tightening torque KNX terminal	0,05 - 2,5mm <sup>2</sup> solid wire 0,03 - 1,5mm <sup>2</sup> stranded wire 0.5Nm Red - grey bus connect terminal
<b>Output</b>	Number of DALI devices Cable lengths	"Max. 64 (include max. 8 sensor) 1.5 mm <sup>2</sup> Max. 300 m 0.75 mm <sup>2</sup> Max. 150 m 0.5 mm <sup>2</sup> Max. 100 m"
<b>Installation</b>	35mm mounting rail	EN 60715
<b>Operating Elements</b>	"Programming LED and button <sup>(2) (3)</sup> Green LED <sup>(7)</sup> Yellow LED <sup>(8)</sup> " Red LED <sup>(9)</sup> Manual button(10) Test button(11)	"Physical address localization KNX power OK Initialization active (fast blink)" A DALI device fault present (slow blink) "Mains power failure (constant on) Manual operation active" "Activate the manual test Switch-dim DALI output (on manual mode)"
<b>Temperature Range</b>	Ambient Storage Transport	-5°C +45°C -25°C +55°C -25°C +70°C
<b>Humidity</b>	Max. air humidity	95% no moisture condensation
<b>Dimensions</b>	70 x W x 91mm	
<b>Width W in mm</b>	69mm	
<b>Width W in units</b>	4 modules (18mm modules)	
<b>Weight</b>	0.15 kg	
<b>Material</b>	Plastic, polycarbonate, colour grey	"-5° C + 45° C -25° C + 55° C"
<b>CE</b>	In accordance with the EMC guideline and low voltage directive	



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### Connections



### Technical Drawings

