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VMBDALI datasheet

Velbus-dali gateway

Velbus-DALI Gateway with built-in DALI power supply.

Protocol manuals for developers: available for download at https://github.com/velbus

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Features

- DALI power supply integrated (disabled by default) with thermal & short circuit protection

- Controls DALI devices through Velbus actions
  - 64 devices
  - 16 DALI groups
  - 16 DALI scenes
  - Broadcast to all devices

- Configuration of DALI device settings in VELBUSLINK configuration software
  - Min. level
  - Max. level
  - Power on level
  - System fail level
  - Fade time
  - Fade rate
  - Group membership
  - Scene settings

- Adressing of DALI devices in VELBUSLINK configuration software
  - Completely new installation (all devices)
  - Existing installation (unaddressed devices only)

- LED indications
  - Velbus Power supply (PS)
  - Velbus Receive (Rx)
  - Velbus Transmit (Tx)
  - DALI power supply enabled (D1)
  - DALI receive (D2)
  - DALI transmit (D3)
  - DALI and Velbus status and error indication

- DALI bus length
  - up to 100 m for wires of 0.5 mm²
  - up to 150 m for wires of 0.75 mm²
  - up to 300 m for wires of 1.5 mm²

- Firmware upgradable in VELBUSLINK configuration software

- Compatible with DALI and DALI-2

- Manual push button on board for identifying the module in Velbus

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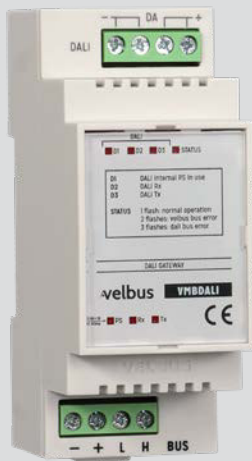
Specifications

DIN width	2 modules
Dimensions	36x90x58mm (WxLxH)
Connections	Velbus bus
	DALI bus
Supply voltage	15±3VDC
Max. current consumption (internal DALI power supply enabled)	300 mA
Max. current consumption (internal DALI power supply disabled)	50 mA
DALI power supply output voltage	15 VDC
Max. output current	250mA
Thermal protection of internal Dali power supply	60°C
Short circuit protection of internal Dali power supply	yes

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