

Datasheet DALI Extension

Part No: 100200



About the product

The DALI Extension enables the flexible and intelligent control of DALI fittings and drivers.

- Seamless integration of DALI fittings and fixtures into your Loxone system
- Control up to 64 DALI devices
- Supports up to 16 DALI groups
- Easy and quick configuration with Loxone Config

Technical data

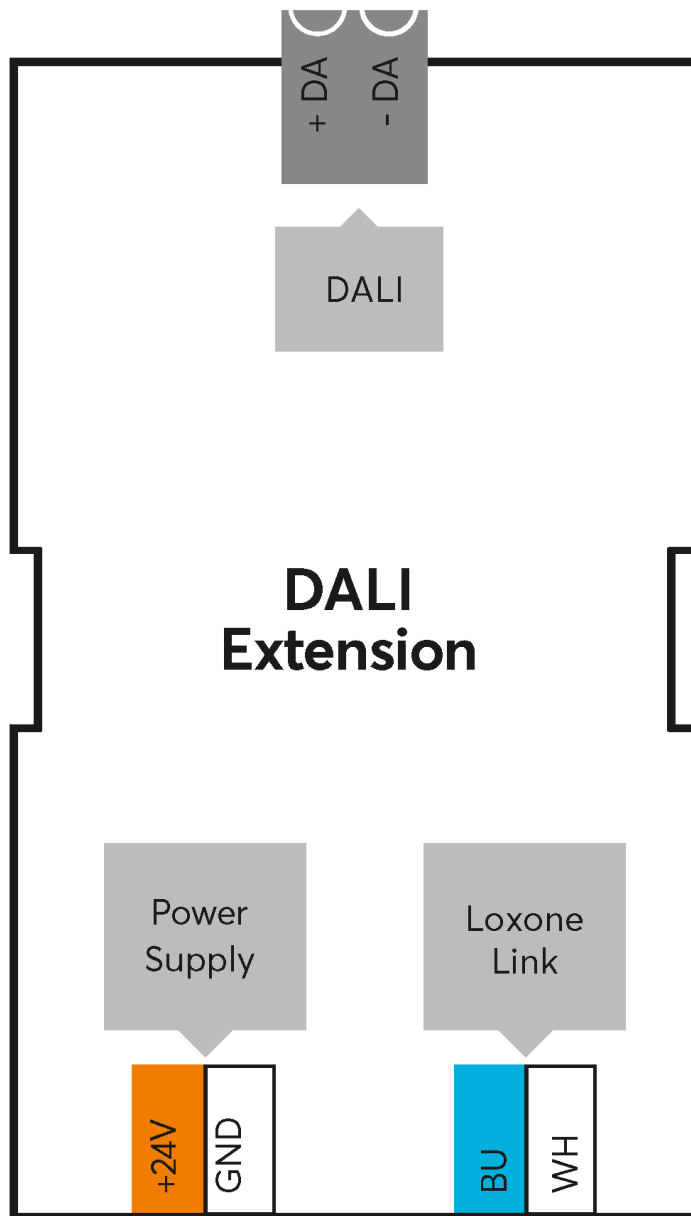
Power supply	12 ... 28VDC
Power consumption	max. 3.2W at 64 devices
Interfaces	DALI: up to 64 devices / 16 groups supported DALI device types: 0-8 wire length: max. 300m at 1.5mm² DALI power supply: 16VDC, switchable Loxone Link: connection with Miniserver
Power loss at max. load	3.2W
Ambient temperature	-40 ... 55°C / -40 ... 131°F
Humidity	max. 95% r.H. (non condensing)

Connections

	DALI Connection	Power supply &Loxone Link
Wire cross-section	0.05 ... 2.5mm ² / AWG30 ... 12	0.25 ... 0.8mm ² / AWG23 ... 18
Stripping length	6 ... 7.5mm / 0.24 ... 0.30"	5mm / 0.2"
Torque of terminal blocks	0.5 ... 0.6Nm / 0.37 ... 0.44 lbf ft	-
Temperature resistance	min. 80°C / 176°F for IEC,min. 75°C / 167°F for UL	-40 ... 105°C / -40 ... 221°F

Orange / White	-	+24VDC / GND
Blue / White	-	Loxone Link

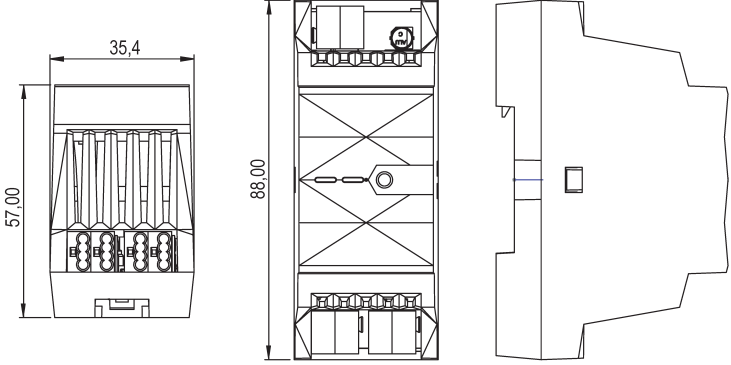
Connection diagram



Product features

Mounting type	DIN rail according to EN50022, 35mm
Colours	Black: RAL 9005
Finish	Matte

Weight & dimensions

Net weight	68g
Total weight	87g
Product dimensions	35.4x88x57mm / 1.4x3.46x2.24" (LxWxH), 2 division units
	 The image contains three technical drawings of a small electronic device. The front view on the left shows a rectangular device with a width of 35.4 mm and a height of 57.00 mm. It features a series of vertical lines in the center and four circular components at the bottom. The side view in the middle shows the device's profile with a total height of 88.00 mm, including two internal dividers. The top view on the right shows the irregular shape of the device's top surface.
Pack size	121x38x62mm / 4.76x1.50x2.44" (LxWxH)

Certifications & Standards

Safety rating	IP20
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Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

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Über das Produkt

Die DALI Extension ermöglicht Ihnen eine flexible und intelligente Ansteuerung von DALI Leuchten und Leuchtmittel.

- vollständige Integration von DALI Leuchten in das intelligente Gebäude
- bis zu 64 DALI Leuchten flexibel ansteuern
- Unterstützung für bis zu 16 DALI Gruppen
- integrierte schaltbare Spannungsversorgung
- einfache und vollständige Konfiguration in Loxone Config

Technische Daten

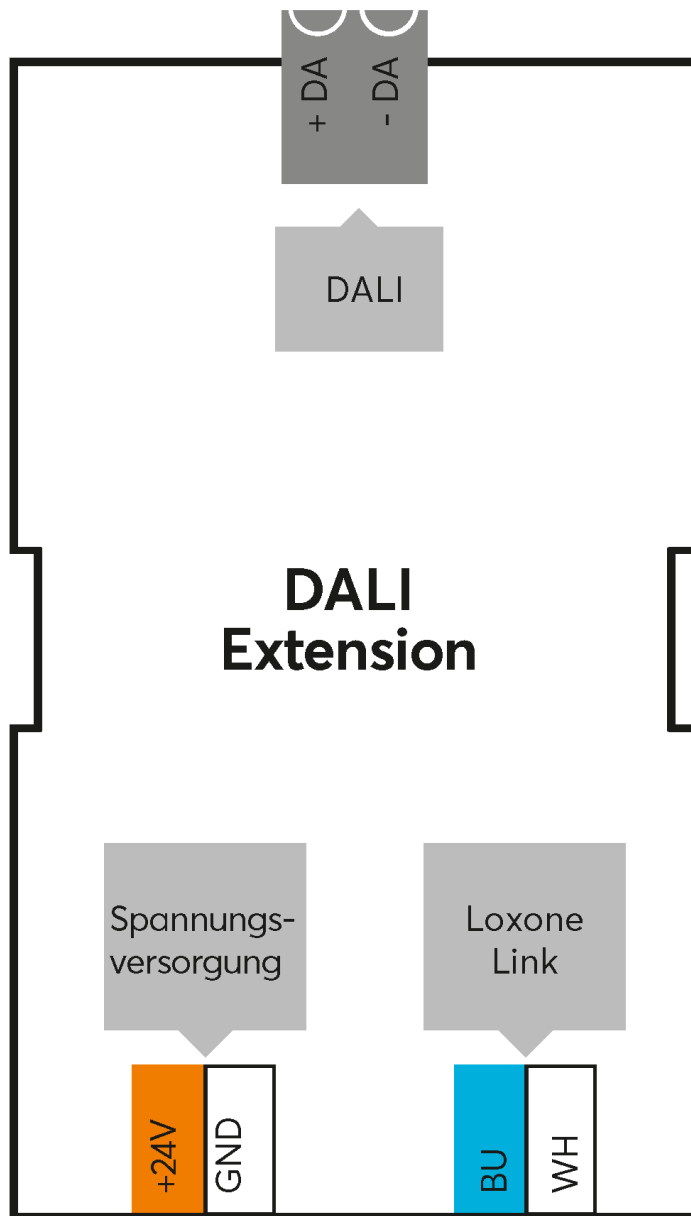
Spannungsversorgung	12 ... 28VDC
Leistungsaufnahme	max. 3,2W bei 64 Geräten
Schnittstellen	DALI: bis zu 64 Geräte / 16 Gruppenunterstützte DALI Gerätetypen: 0-8 Leitungslänge: max. 300m bei 1,5 mm² DALI Spannungsversorgung: 16VDC, abschaltbar Loxone Link: Verbindung mit Miniserver
Verlustleistung bei max. Last	3,2W
Umgebungstemperatur	-40 ... 55°C / -40 ... 131°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)

Anschlüsse

	DALI Anschluss	Spannungsversorgung & Loxone Link
Leiterquerschnitt	0,05 ... 2,5mm ² / AWG30 ... 12	0,25 ... 0,8mm ² / AWG23 ... 18
Abisolierlänge	6 ... 7,5mm / 0,24 ... 0,30"	5mm / 0,2"
Drehmoment der Klemmen	0,5 ... 0,6Nm / 0,37 ... 0,44 lbf ft	-
Temperaturbeständigkeit	min. 80°C / 176°F für IEC, min. 75°C / 167°F für UL	-40 ... 105°C / -40 ... 221°F

Orange / Weiß	-	+24VDC / GND
Blau / Weiß	-	Loxone Link

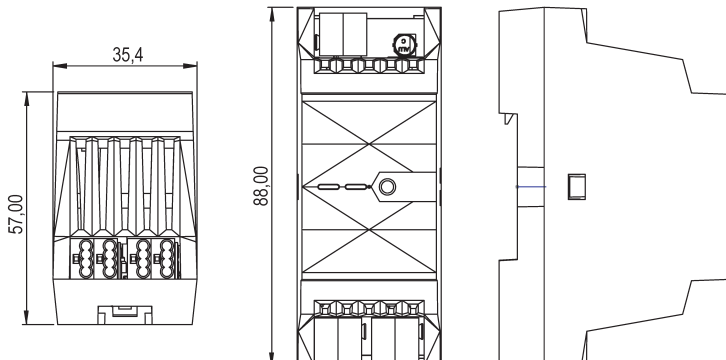
Anschlussplan



Produkteigenschaften

Montageart	Hutschiene nach EN50022, 35mm
Farbe	Schwarz: RAL 9005
Glanzgrad	Matt

Gewicht & Abmessungen

Nettogewicht	68g
Bruttogewicht	87g
Produktmaße	35,4x88x57mm / 1,4x3,46x2,24" (LxBxH), 2 Teilungseinheiten
	 The image contains three technical drawings of a small electronic device. The front view on the left shows a rectangular device with a width of 35,4 mm and a height of 57,00 mm. It features a series of vertical lines and a small circular component at the bottom. The side view in the middle shows the device's profile with a total height of 88,00 mm, including two internal compartments. The top view on the right shows the device's irregular top shape and a small rectangular feature.
Packmaß	121x38x62mm / 4,76x1,50x2,44" (LxBxH)

Zertifizierungen & Standards

Schutzart	IP20
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Die Installation muss nach den einschlägigen Vorschriften durch eine Elektrofachkraft erfolgen.