

Datasheet

AI Extension

Part No: 100381



About the product

The AI Extension has 4 additional analog inputs on two division units – perfect for sensors and probes.

- 4 analog inputs (0-10V) or 4 digital inputs
- save space with 2 division units
- developed specially for the Loxone Smart Home
- CE certified and tested

Technical data

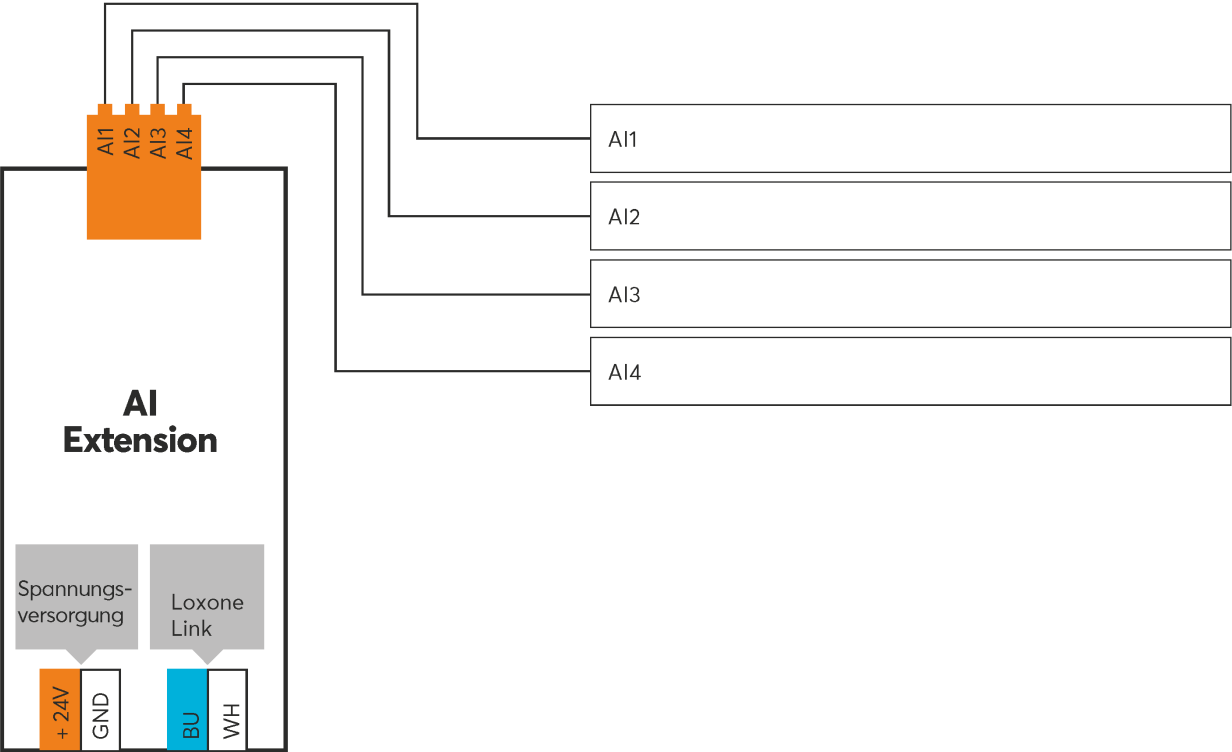
Power supply	9 ... 28VDC
Power consumption	typ. 72mW
Inputs	4 analogue inputs 0 ... 10VDC, resolution: 0.05V or 4 digital inputs logic 0: 0 ... 1.0V undefined: 1.1 ... 1.9V logic 1: 2 ... 28VDC (Ri=10kOhm)
Interfaces	Loxone Link: connection with Miniserver
Power loss	max. 392mW
Ambient temperature	-40 ... 70°C / -40 ... 158°F
Humidity	max. 95% r.H. (non condensing)

Connections

Connections		
	Digital & analogue Inputs	Power Supply & Loxone Link
Wire cross-section	0.14 ... 0.5mm ² / AWG26 ... 20	0.25 ... 0.8mm ² / AWG23 ... 18
Stripping length	7mm / 0.28"	5mm / 0.2"
Temperature resistance	-40 ... 70 °C / -40 ... 158°F	-40 ... 105°C / -40 ... 221°F

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

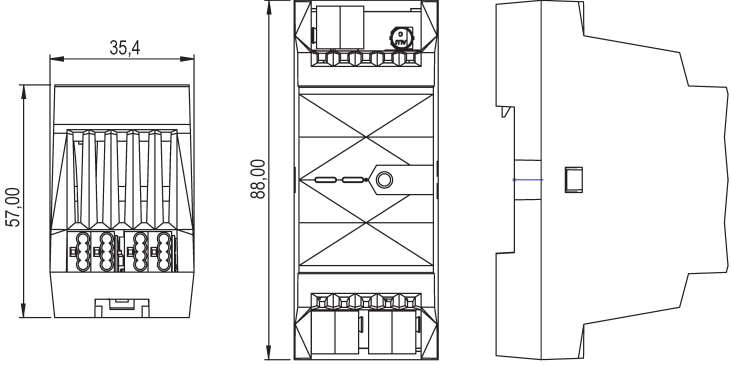
Connection diagram



Product features

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

Weight & dimensions

Net weight	338g
Total weight	412g
Product dimensions	35.5x88x57mm / 1.4x3.46x2.24" (LxWxH), 2 division units
	 The image contains three technical line drawings of a small electronic device. The leftmost drawing is a front view showing a rectangular face with a width dimension of 35,4 and a height dimension of 57,00. It features a central array of vertical elements. The middle drawing is a side view showing the device's profile with a total height dimension of 88,00. It shows internal structural details and a small circular feature. The rightmost drawing is a top-down view showing 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.

Datasheet

AI Extension Gen. 1

Artikel Nr.: 100381



Über das Produkt

Die AI Extension bringt 4 weitere analoge Eingänge auf nur zwei Teilungseinheiten mit sich – perfekt für Sensoren und Fühler.

- 4 analoge Eingänge (0-10V) bzw. 4 digitale Eingänge
- platzsparend dank nur 2 Teilungseinheiten
- für den Einsatz im Loxone Smart Home entwickelt
- CE zertifiziert und geprüft

Technische Daten

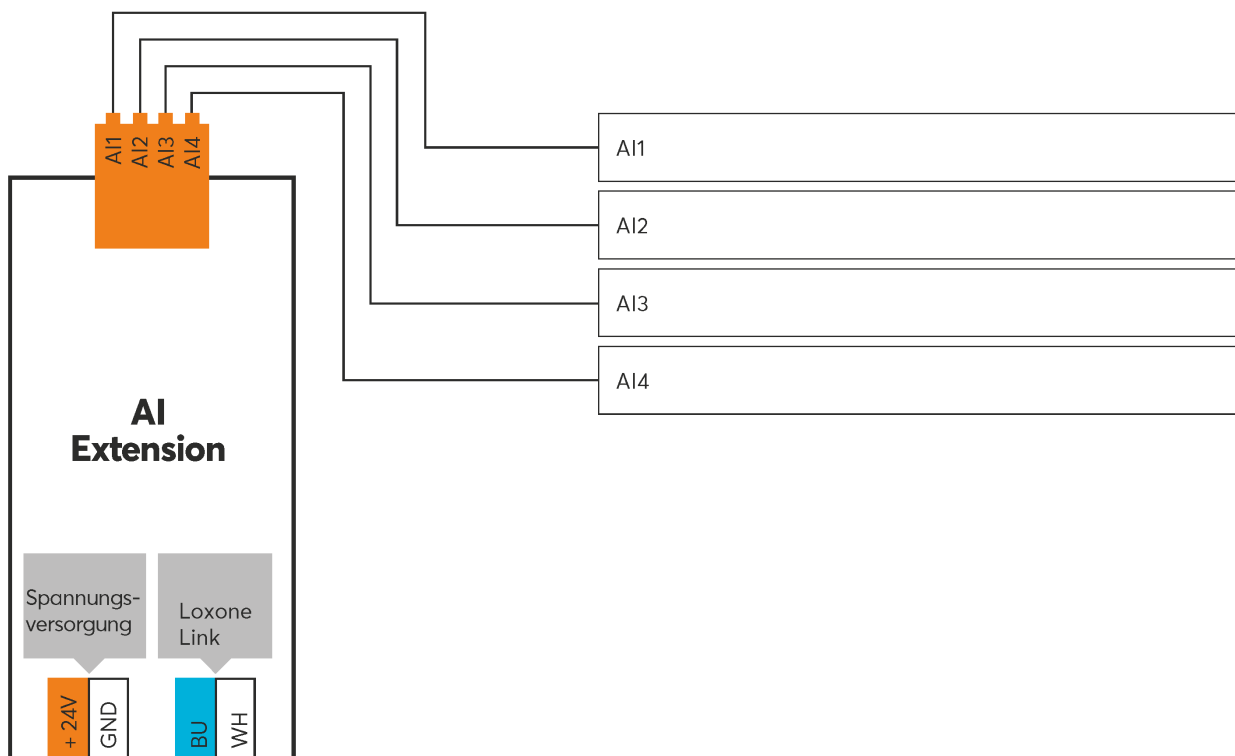
Spannungsversorgung	9 ... 28VDC
Leistungsaufnahme	typ. 72mW
Eingänge	4 analoge Eingänge 0 ... 10VDC, Auflösung 0,05V oder 4 digitale Eingänge logisch 0: 0 ... 1,0V undefiniert: 1,1 ... 1,9V logisch 1: 2 ... 28VDC (Ri=10kOhm)
Schnittstellen	Loxone Link: Verbindung mit Miniserver
Verlustleistung	max. 392mW
Umgebungstemperatur	-40 ... 70°C / -40 ... 158°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)

Anschlüsse

	Digitale & Analoge Eingänge	Spannungsversorgung & Loxone Link
Leiterquerschnitt	0,14 ... 0,5mm ² / AWG26 ... 20	0,25 ... 0,8mm ² / AWG23 ... 18
Abisolierlänge	7mm / 0,28"	5mm / 0,2"
Temperaturbeständigkeit	-40 ... 70 °C / -40 ... 158°F	-40 ... 105°C / -40 ... 221°F

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

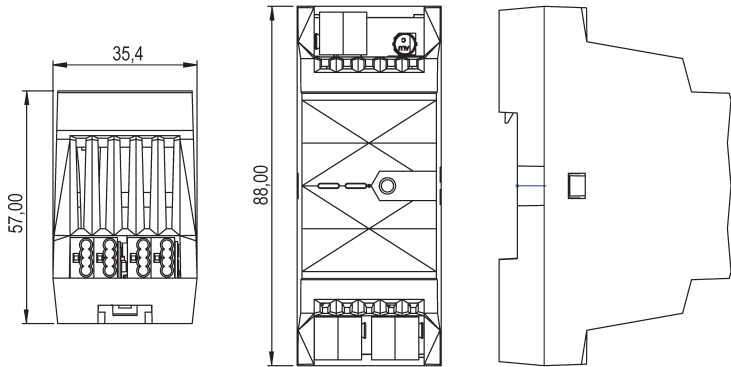
Anschlussplan



Produkteigenschaften

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

Gewicht & Abmessungen

Nettogewicht	338g
Bruttogewicht	412g
Produktmaße	35,5x88x57mm / 1,40x3,46x2,24" (LxBxH), 2 Teilungseinheiten
	 The technical drawings show three views of the device. The front view on the left indicates a width of 35,4 mm and a height of 57,00 mm. The side view in the middle shows a total height of 88,00 mm. The top view on the right shows the device's profile. The device has a rectangular body with a slightly irregular top edge and a small rectangular feature on the side.
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.