

Datasheet 1-Wire Extension

Part No: 100014



About the product

The 1-Wire Extension allows you to use 1-Wire sensors as part of your Loxone system. Using 1-Wire sensors is very cost-effective, especially in installations with large numbers of sensors.

- Reliable and accurate
- Low cost
- Can be mounted very discretely
- Connect up to 20 sensors to the 1-Wire Extension

Technical data

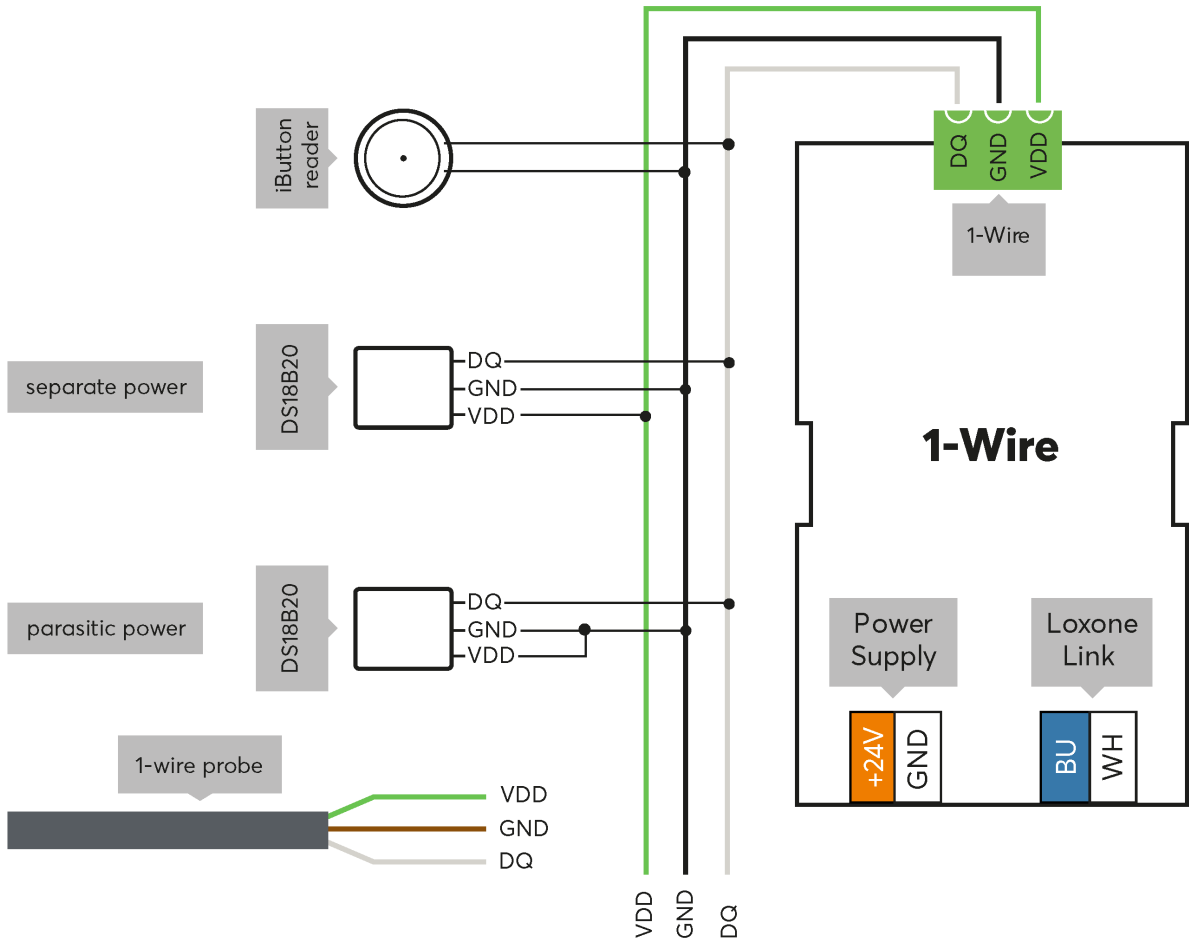
Power supply	9 ... 28VDC
Power consumption	max. 110mW
Interfaces	1-Wire: max. 20 sensors, max. 50mA or one iButton key reader max. wire length depending on wiring topology: 100 ... 300m Loxone Link: connection with Miniserver
Power loss at max. load	310mW
Ambient temperature	-40 ... 70°C / -40 ... 158°F
Humidity	max. 95% r.H. (non condensing)

Connections

	1-wire interface	Power Supply & Loxone Link
Wire cross-section	0.14 ... 0.5mm² / AWG26 ... 20	0.25 ... 0.8mm² / 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

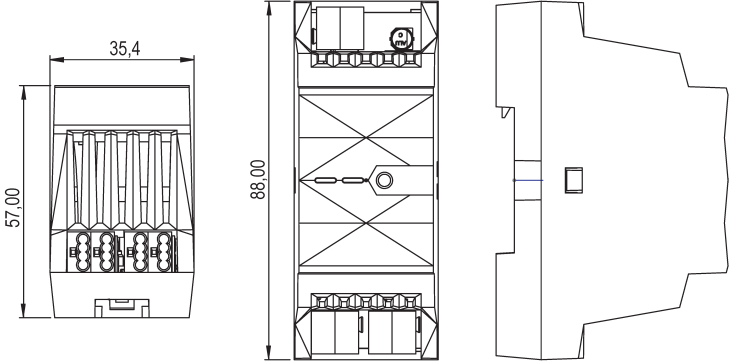
Connection diagram



Product features

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

Weight & dimensions

Net weight	65g
Total weight	85g
Product dimensions	35.4x88x57mm / 1.4x3.46x2.24" (LxWxH), 2 division units
	
Pack size	121x38x62mm / 4.76x1.50x2.44" (LxWxH)

Certifications & Standards

Safety rating	IP20
Certifications	UL 62368-1  CSA C22.2#62368-1 Intertek

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

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Über das Produkt

Die 1-Wire Extension ermöglicht das Einbinden von günstigen Temperatursensoren und dem iButton-Zutrittssystem an Ihr Loxone System. An den Miniserver angeschlossen, zeichnet sich die 1-Wire Extension durch folgende Vorteile aus:

- 1-Wire Schnittstelle (5V Ausgang max. 50mA)
- Anschluss von bis zu 20 Sensoren oder ein iButton Leser
- Übertragungsgeschwindigkeit 16,3 kbit/s
- Unbegrenzte Anzahl an iButton
- Spannungsversorgung 24VDC
- Anschluss an Loxone Link
- Hutschienenmontage
- Abmessungen: 35,5 x 88 x 57 mm (2 TE)

Technische Daten

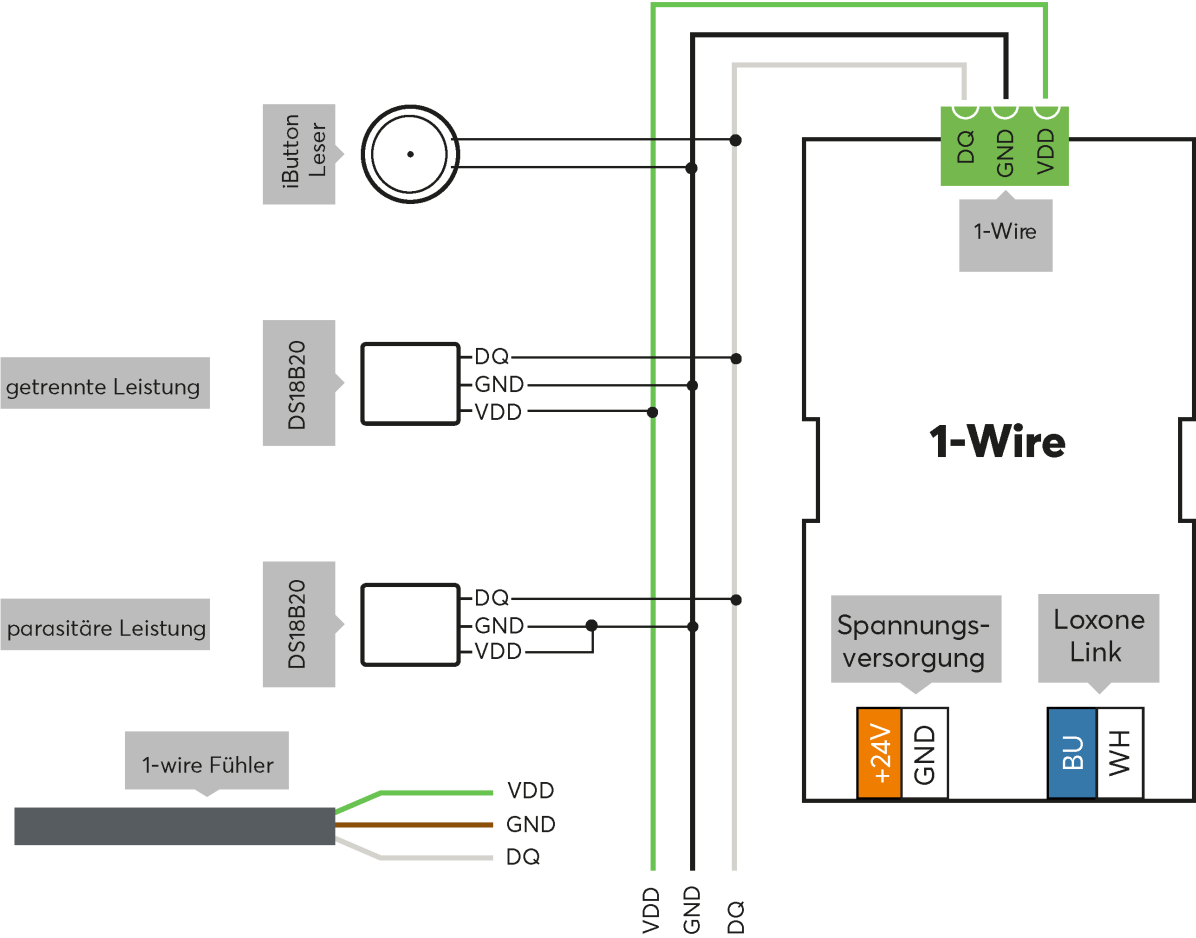
Spannungsversorgung	9 ... 28VDC
Leistungsaufnahme	max. 110mW
Schnittstellen	1-Wire Schnittstelle: max. 20 Sensoren, max. 50mA oder ein iButton Schlüsselleser max. Leitungslänge abhängig von Verdrahtungstopologie: 100 ... 300m Loxone Link: Verbindung mit Miniserver
Verlustleistung bei max. Last	310mW
Umgebungstemperatur	-40 ... 70°C / -40 ... 158°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)

Anschlüsse

	1-Wire Schnittstelle	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

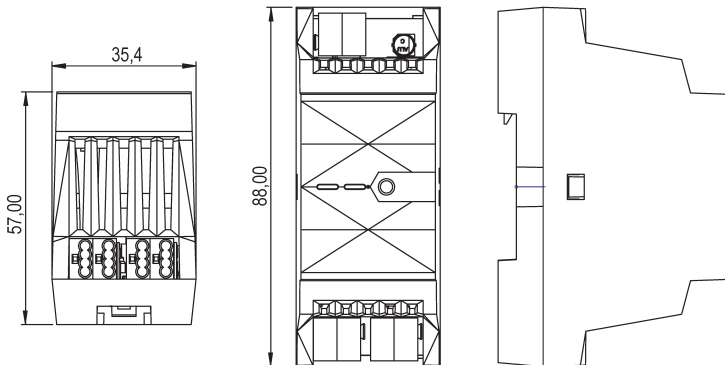
Anschlussplan



Produkteigenschaften

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

Gewicht & Abmessungen

Nettogewicht	65g
Bruttogewicht	85g
Produktmaße	35,4x88x57mm / 1,4x3,46x2,24" (LxBxH), 2 Teilungseinheiten
	 The technical drawings show the device from three perspectives: front, side, and top. The front view shows a width of 35,4 mm and a height of 57,00 mm. The side view shows a depth of 88,00 mm. The top view shows the device's profile. The device is a small, rectangular component with a complex internal structure visible in the front view.
Packmaß	121x38x62mm / 4,76x1,50x2,44" (LxBxH)

Zertifizierungen & Standards

Schutzart	IP20
Zertifizierungen	UL 62368-1 RECOGNIZED COMPONENT  CSA C22.2#62368-1 Intertek