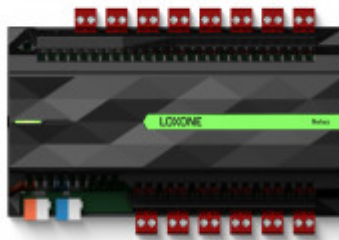


Datasheet Relay Extension

Part No: 100038



About the product

The Loxone Relay Extension is a true powerhouse and with its fourteen 16A rated relays, it will switch even the heaviest loads with ease.

- to control blinds, lights, heating and more
- 14 digital outputs (relays) max. 250VAC; 16A
- DIN rail mounting

Technical data

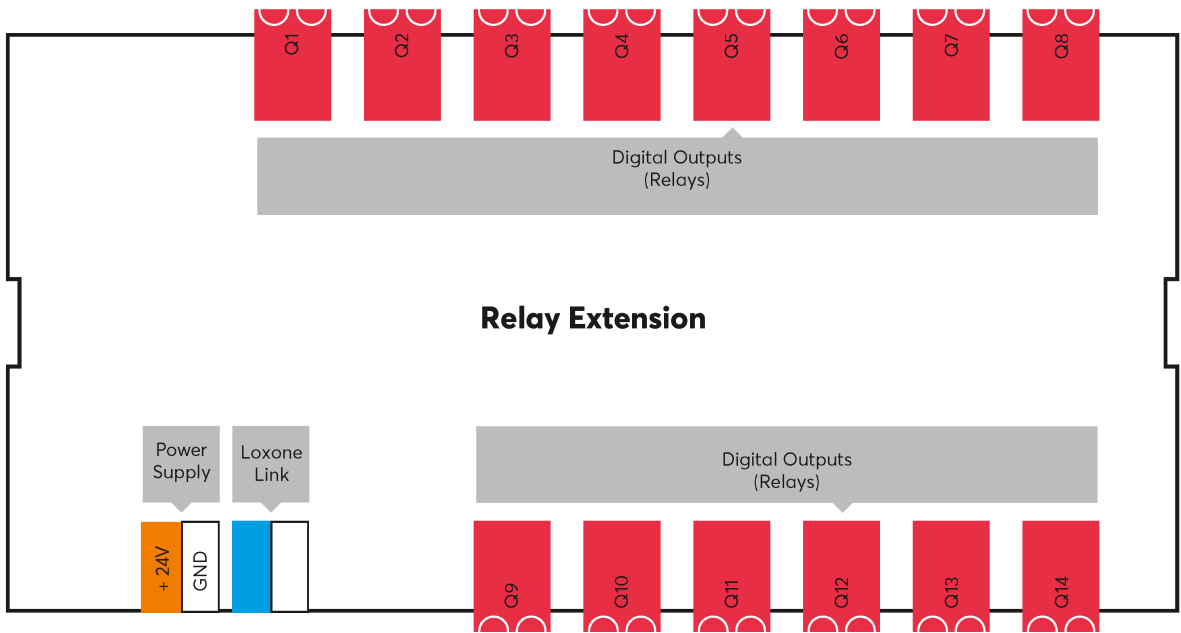
Power supply	18 ... 28VDC
Power consumption	typ. 0.7W (all Relays off), max. 3.8W (all Relays on)
Outputs	14 digital outputs (Relays), dry contact 250VAC 16A at $\cos\phi = 1$ (IEC) total load whole Extension max. 48A (IEC) 250VAC 15A at $\cos\phi = 1$ (UL) total load whole Extension max. 45A (UL) max. 30VDC 16A
Interfaces	Loxone Link: connection with Miniserver
Power loss at max. load	11W
Ambient temperature	-40 ... 40°C / -40 ... 104°F
Humidity	max. 95% r.H. (non condensing)

Connections

	Power supply & Loxone Link	Relay Connection
Wire cross-section	0.25 ... 0.8mm² / AWG23 ...18	0.05 ... 2.5mm² / AWG30 ... 12 Load >12A: min. 2.5mm² / min. AWG12
Stripping length	5mm / 0.2"	6 ... 7.5mm / 0.24 ... 0.30"
Torque of terminal blocks	-	0.5 ... 0.6Nm / 0.37 ... 0.44 lbf ft
Temperature resistance	-40 ... 105°C / -40 ... 221°F	min. 80°C / 176°F for IEC,min. 75°C / 167°F for UL

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

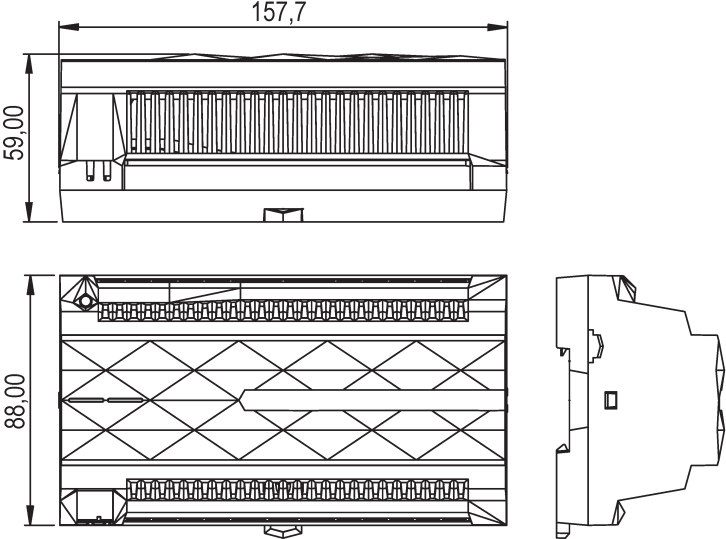
Connection diagram



Product features

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

Weight & dimensions

Net weight	445g
Total weight	501g
Product dimensions	158x88x59mm / 6.22x3.46x2.32" (LxWxH)
	 Technical drawings of the product showing top, front, and side views with dimensions. The top view shows a length of 157,7 mm. The front view shows a height of 59,00 mm. The side view shows a width of 88,00 mm. A small detail drawing of the side profile is also shown.
Pack size	180x110x65mm / 7.08x4.33x2.56" (LxWxH)

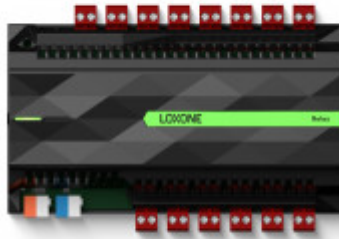
Certifications & Standards

Safety rating	IP20
Operation	Type 1 (UL60730-1, CSA E60730-1)
Rated impulse voltage for digital output	2.5kV (UL60730-1, max. Altitude 2000m)
Degree of pollution	2
Software class	A
Certifications	UL60730-1 IEC60730-1 RECOGNIZED COMPONENT  Intertek

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

Datasheet Relay Extension

Artikel Nr.: 100038



Über das Produkt

Die Loxone Relay Extension ist mit 14 potenzialfreien Relais ausgestattet. Dank der leistungsstarken Relais (16A, max. 250VAC) ist die Extension bestens für Schaltaufgaben aller Art geeignet.

- 14 digitale Ausgänge (Relais) max. 250VAC; 16A
- Hutschiene montage
- 9 TE (Abmessungen: 155 x 85 x 49mm)
- Spannungsversorgung 24VDC

Technische Daten

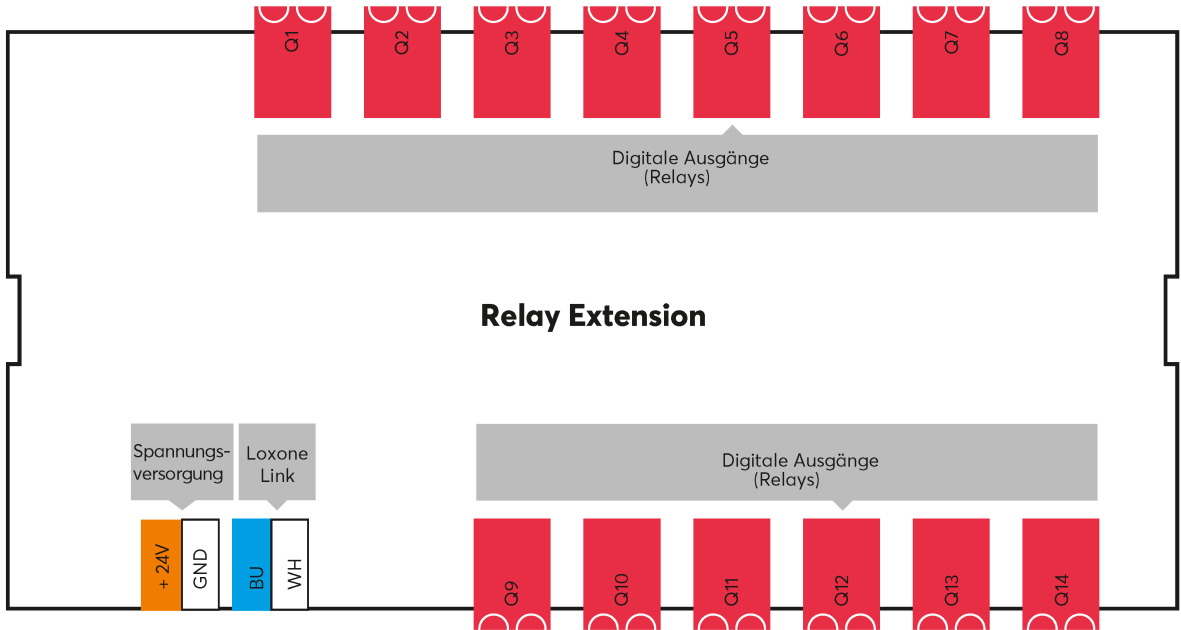
Spannungsversorgung	18 ... 28VDC
Leistungsaufnahme	typ. 0,7W (alle Relais aus), max. 3,8W (alle Relais ein)
Ausgänge	14 digitale Ausgänge (Relais), potentialfrei 250VAC 16A bei $\cos\phi = 1$ (IEC) Gesamtlast Extension max. 48A (IEC) 250VAC 15A bei $\cos\phi = 1$ (UL) Gesamtlast Extension max. 45A (UL) max. 30VDC 16A
Schnittstellen	Loxone Link: Verbindung mit Miniserver
Verlustleistung bei max. Last	11W
Umgebungstemperatur	-40 ... 40°C / -40 ... 104°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)

Anschlüsse

	Spannungsversorgung & Loxone Link	Relay Anschlüsse
Leiterquerschnitt	0,25 ... 0,8mm² / AWG23 ...18	0,05 ... 2,5mm² / AWG30 ... 12 Load >12A: min. 2,5mm² / min. AWG12
Abisolierlänge	5mm / 0,2"	6 ... 7,5mm / 0,24 ... 0,30"
Drehmoment der Klemmen	-	0,5 ... 0,6Nm / 0,37 ... 0,44 lbf ft
Temperaturbeständigkeit	-40 ... 105°C / -40 ... 221°F	min. 80°C / 176°F for IEC,min. 75°C / 167°F for UL

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

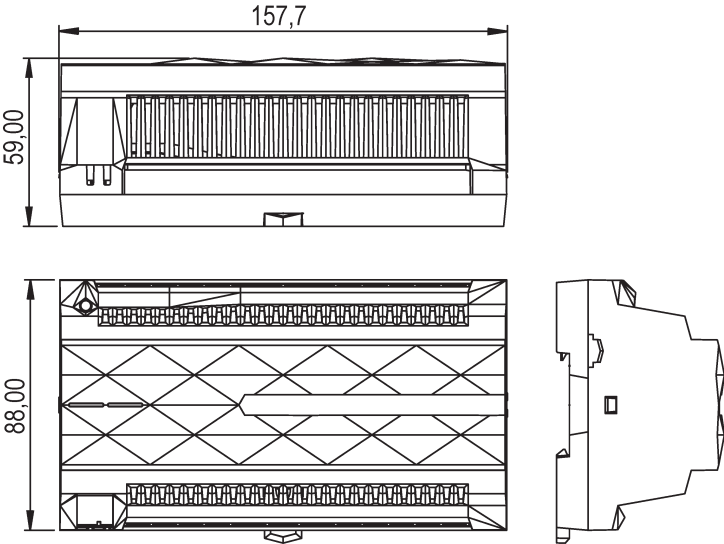
Anschlussplan



Produkteigenschaften

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

Gewicht & Abmessungen

Nettogewicht	445g
Bruttogewicht	501g
Produktmaße	158x88x59mm / 6,22x3,46x2,32" (LxBxH)
	 The technical drawings illustrate the product's dimensions and structure. The top view shows a rectangular profile with a length of 157,7 mm. The side view shows a height of 59,00 mm. The front view shows a width of 88,00 mm. A detailed side view on the right shows the internal structure and mounting points.
Packmaß	180x110x65mm / 7,08x4,33x2,56" (LxBxH)

Zertifizierungen & Standards

Schutzart	IP20
Einsatzgebiet	Type 1 (UL60730-1, CSA E60730-1)
Bemessungsspannung der digitalen Ausgänge	2.5kV (UL60730-1, max. Höhe 2000m)
Verschmutzungsgrad	2
Software Klasse	A
Zertifizierungen	UL60730-1 IEC60730-1 RECOGNIZED COMPONENT  Intertek

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