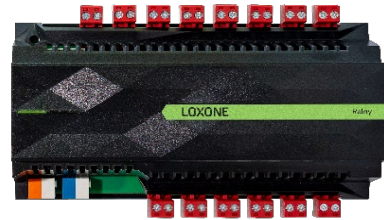


## Datasheet

### Relay Extension

Part No: 100038



### About the product

The Loxone Relay Extension features 14 dry contact relay outputs.

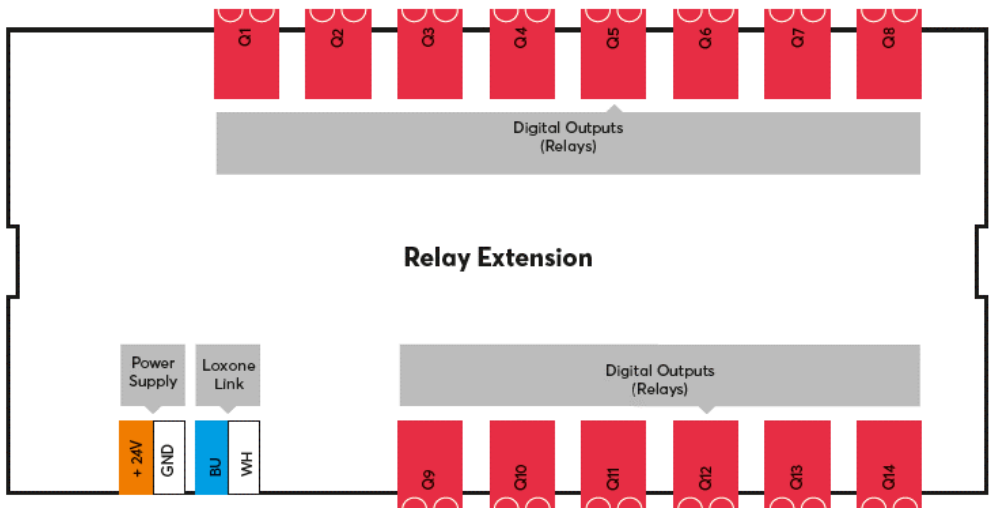
### Electrical Data

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply            | 18 ... 28VDC                                                                                                                                                                                                                                        |
| Power consumption       | typ. 0.7W (all Relays off), max. 3.8W (all Relays on)                                                                                                                                                                                               |
| Outputs                 | <p>14 digital outputs (Relays), dry contact</p> <p>250VAC 16A at <math>\cos\phi = 1</math> (IEC) total load<br/>whole Extension max. 48A (IEC)</p> <p>250VAC 15A at <math>\cos\phi = 1</math> (UL) total load<br/>whole Extension max. 45A (UL)</p> |
| Interfaces              | Loxone Link:<br>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 ... 0.8mm <sup>2</sup> / AWG23 ... 18 | 0.05 ... 2.5mm <sup>2</sup> / AWG30 ... 12<br>Load >12A: min. 2.5mm <sup>2</sup> /<br>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,<br>min. 75°C / 167°F for UL                                           |
| Orange / White            | +24VDC / GND                               | -                                                                                                |
| Blue / White              | Loxone Link                                | -                                                                                                |

## Connection Diagram

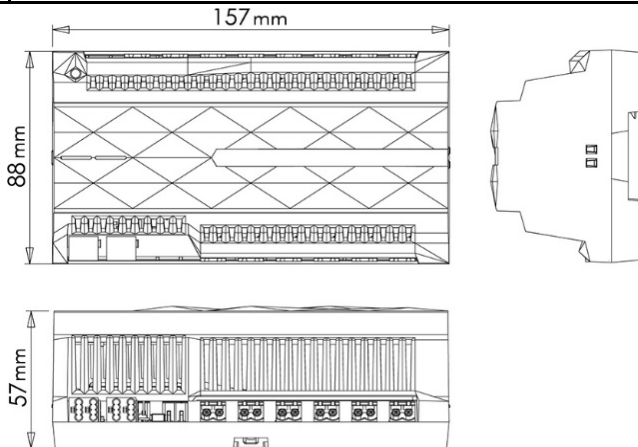


## Product Characteristics

|               |                                     |
|---------------|-------------------------------------|
| 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) |



|           |                                        |
|-----------|----------------------------------------|
| 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                           | <div> <div> UL60730-1<br/>IEC60730-1 </div> <div> RECOGNIZED<br/>COMPONENT<br/> <br/> C LISTED US<br/> Intertek </div> </div> |

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

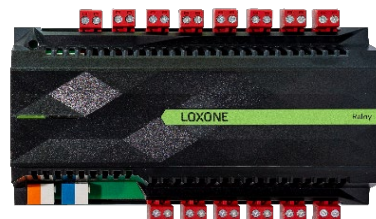
## Published by Loxone Electronics GmbH

Smart Home 1  
4154 Kollerschlag  
Austria  
Tel: +43 7287 7070-0  
loxone.com

## Datenblatt

### Relay Extension

Art. Nr. 100038



### Information zum Produkt

Die Loxone Relay Extension stellt 14 Ausgänge mit potentialfreien Relais zur Verfügung.

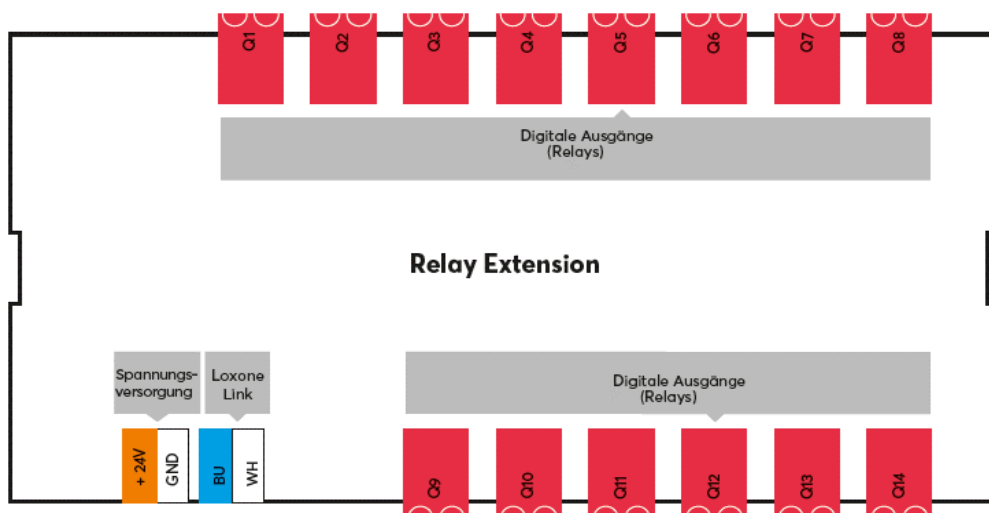
### Elektrische Daten

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

### Anschlüsse

|                         | Spannungsversorgung &<br>Loxone Link       | Relay Anschlüsse                                                                                 |
|-------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------|
| Leiterquerschnitt       | 0,25 ... 0,8mm <sup>2</sup> / AWG23 ... 18 | 0,05 ... 2,5mm <sup>2</sup> / AWG30 ... 12<br>Load >12A: min. 2,5mm <sup>2</sup> /<br>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,<br>min. 75°C / 167°F for UL                                           |
| Orange / Weiß           | +24VDC / GND                               | -                                                                                                |
| Blau / Weiß             | Loxone Link                                | -                                                                                                |

## Anschlussplan

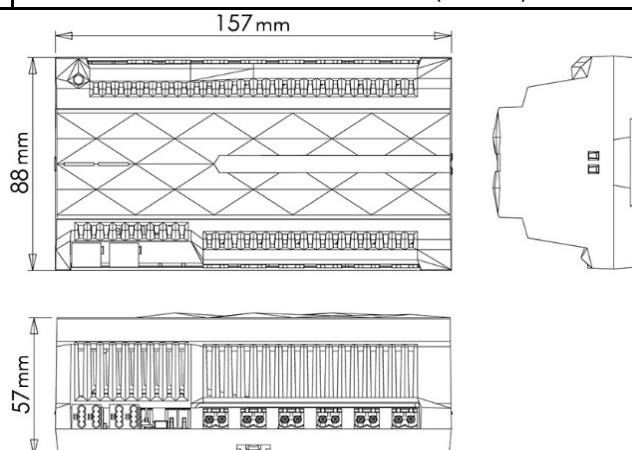


## Produkteigenschaften

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

## Gewicht & Abmessungen

|               |                                       |
|---------------|---------------------------------------|
| Nettogewicht  | 445g                                  |
| Bruttogewicht | 501g                                  |
| Produktmaße   | 158x88x59mm / 6,22x3,46x2,32" (LxBxH) |



|         |                                        |
|---------|----------------------------------------|
| 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                          | <div> <div> UL60730-1<br/>IEC60730-1 </div> <div>   </div> <div> Intertek </div> </div> |

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

### Veröffentlicht von Loxone Electronics GmbH

Smart Home 1  
4154 Kollerschlag  
Austria  
Tel: +43 7287 7070-0  
loxone.com