

Datasheet

Nano DI Tree

Part No: 100242



About the product

The Loxone Nano DI Tree features 6 digital inputs in one compact module.

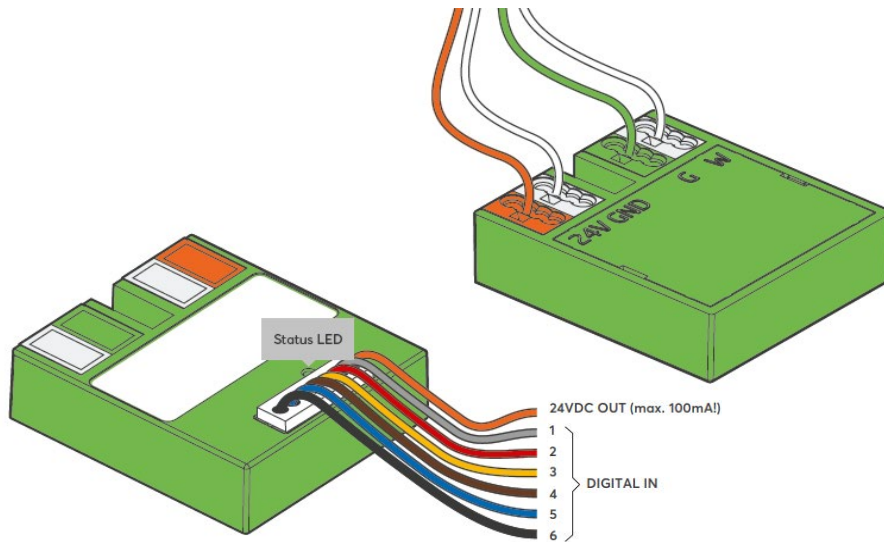
Electrical Data

| | |
|-------------------------|---|
| Power supply | 9 ... 28VDC |
| Power consumption | max. 108mW |
| Inputs | <p>6 digital inputs logic 0: 0 ... 7.2V undefined: 7.2 ... 9.8V logic 1: 9.8 ... 24V Ri=67 kOhm 24V Output: max. 100mA! usable as frequency counter: max. frequency: 500Hz min. pulse width: 1ms accuracy: + - 1Hz</p> |
| Power loss at max. load | 108mW |
| Interfaces | Loxone Tree: connection with Miniserver / Tree Extension |
| Ambient temperature | -40 ... 70°C / -40 ... 158°F |
| Humidity | max. 95% r.H. (non condensing) |

Connections

| | Power supply & Loxone Tree | Connection Cables |
|---------------------------------------|--|------------------------------|
| Wire cross-section | 0.25 ... 0.8mm ² / AWG23 ... 18 | 0.2mm ² / AWG24 |
| Stripping length | 5mm / 0.2" | 8mm / 0.3" |
| Temperature resistance | -40 ... 105°C / -40 ... 221°F | 80 ... 105°C / 176 ... 221°F |
| Cable length | - | 250mm / 9.84" |
| Orange / White | + 24VDC / GND | - |
| Green / White | Loxone Tree | - |
| Orange | - | +24VDC out |
| Grey, red, yellow, brown, blue, black | - | digital inputs |

Connection Diagram

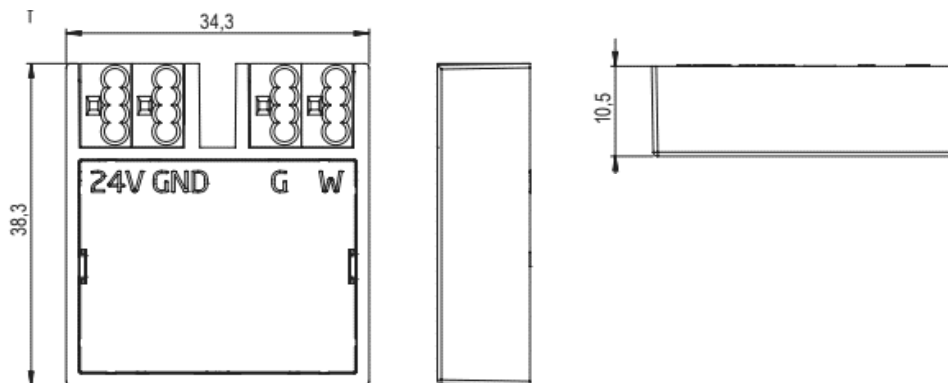


Product Characteristics

| | |
|---------|---------------|
| Colours | Green RAL6018 |
| Finish | Matte |

Weight & Dimensions

| | |
|--------------------|--|
| Net weight | 54g |
| Total weight | 74g |
| Product dimensions | 38.3x34.3x10.5mm / 1.50x1.35x0.41" (LxWxH) |



| | |
|-----------|--------------------------------------|
| Pack size | 79x79x41mm / 3.11x3.11x1.61" (LxWxH) |
|-----------|--------------------------------------|

Certifications & Standards

Safety rating

IP20

Certifications



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

Published by
Loxone Electronics GmbH

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Datenblatt

Nano DI Tree

Art. Nr. 100242



Information zum Produkt

Die Loxone Nano DI Tree stellt 6 Digitaleingänge in einem kompakten Modul zur Verfügung.

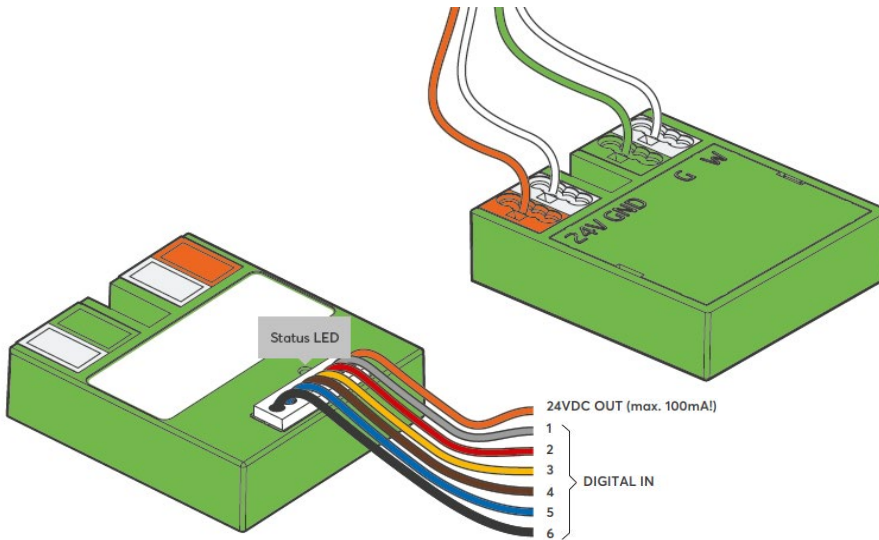
Elektrische Daten

| | |
|-------------------------------|--|
| Spannungsversorgung | 9 ... 28VDC |
| Leistungsaufnahme | max. 108mW |
| Eingänge | 6 digitale Eingänge logisch 0: 0 ... 7,2V undefiniert: 7,2 ... 9,8V logisch 1: 9,8 ... 24V Ri=67 kOhm 24V Ausgang: max. 100mA! als Frequenzzähler verwendbar: max. Frequenz: 500Hz minimale Impulsbreite: 1ms Genauigkeit + - 1Hz |
| Verlustleistung bei max. Last | max. 108mW |
| Schnittstellen | Loxone Tree: connection with Miniserver / Tree Extension |
| Umgebungstemperatur | -40 ... 70°C / -40 ... 158°F |
| Luftfeuchtigkeit | max. 95% r.H. (nicht kondensierend) |

Anschlüsse

| | Spannungsversorgung & Loxone Tree | Anschlusskabel |
|---------------------------------------|--|------------------------------|
| Leiterquerschnitt | 0,25 ... 0,8mm ² / AWG23 ... 18 | 0,2mm ² / AWG24 |
| Abisolierlänge | 5mm / 0,2" | 8mm / 0,3" |
| Temperaturbeständigkeit | -40 ... 105°C / -40 ... 221°F | 80 ... 105°C / 176 ... 221°F |
| Kabellänge | - | 250mm / 9,84" |
| Orange / Weiß | + 24VDC / GND | - |
| Grün / Weiß | Loxone Tree | - |
| Orange | - | +24VDC Out |
| Grau, rot, gelb, braun, blau, schwarz | - | digitale Eingänge |

Anschlussplan

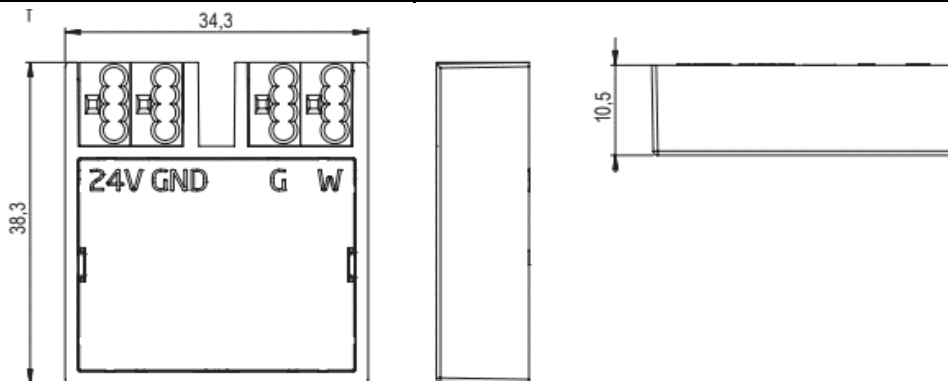


Produkteigenschaften

| | |
|-----------|--------------|
| Farbe | Grün RAL6018 |
| Glanzgrad | Matt |

Gewicht & Abmessungen

| | |
|---------------|--|
| Nettogewicht | 54g |
| Bruttogewicht | 74g |
| Produktmaße | 38,3x34,3x10,5mm / 1,50x1,35x0,41" (LxBxH) |



| | |
|---------|--------------------------------------|
| Packmaß | 79x79x41mm / 3,11x3,11x1,61" (LxBxH) |
|---------|--------------------------------------|

Zertifizierungen & Standards

Schutzart

IP20

Zertifizierungen



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

Veröffentlicht von
Loxone Electronics GmbH

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