

Repeater IP67 MR (rough conditions)

Function

The **Repeater IP67** enables an expansion of a PROFIBUS network to a maximum of 126 nodes and a speeddependent cable length. Per segment are maximum 32 users (31 + repeater) permitted. By using repeaters, the voltage signal is regenerated into two directions and is raised into a PROFIBUS standard level.

Instructions for use

With the **Repeater IP67** it is possible to build up two galvanically separated segments. For diagnostic measurements should be noted that a measuring point should exist at the beginning and end of the segment as possible. The Repeater provides a glass-fiber reinforced housing according to protection class IP67 for rough conditions.

Busanschluss und Terminierung

The PROFIBUS DP is connected via B-coded M12 plug connection (according to PROFIBUS guideline). If the segment ends or begins directly at the connections of the repeater, the unused PROFIBUS connections must be terminated by a M12 terminating resistor.




Technical data

- Supply voltage: 24 VDC \pm 25%
- Power supply: < 60 mA
- Connection: 1 x 7/8" (Power)
4 x M12 B coded (PROFIBUS)
- Transmission rate: 9,6 kBit/s to 12 MBit/s

General data

- Installation: 3 mounting holes \varnothing 5,4 mm
- Dimensions (H x W x D): 148,1 x 60,4 x 27 mm
- Industrial protection: IP67
- Operating temperature: 0 °C to +55 °C
- Storage temperature: -25 °C to +70 °C
- PROFIBUS types: DP, DP-V1, FMS, MPI

Status LED

- LED BUS  yellow on PROFIBUS online
 red on PROFIBUS offline
off no communication
- LED PWR  green flashing baud rate detection active
on ready

Ordering details

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Art. No.

110030001

Accessories

Power supply connector 7/8 IP67 repeater

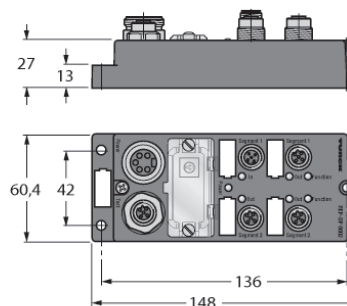
110120010

M12 terminating resistor (B coded) IP67

110100000



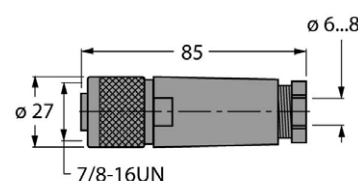
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Engineering drawing



Power supply connector 7/8 IP67 repeater



Engineering drawing