

Repeater - FB-DP-RPTR/SC - 2316374

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PROFIBUS DP interface/repeater module with oscilloscope functionality

Product Description

PROFIBUS DP repeater expansion module for the PROFIBUS DP/PA coupler system

Your advantages

- Oscilloscope and bar graph functionality
- Automatic detection of baud rate up to 12 Mbps
- Integrated switchable terminator
- Supported protocols: DP-V0, V1, V2, FDL, MPI, FMS and Profisafe
- No bus addressing of device required

Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626021508 |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 25 mm |
| Height | 100 mm |
| Depth | 132 mm |

Ambient conditions

| | |
|--|-------------------------------|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 60 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |
| Degree of protection | IP20 |

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Technical data

General

| | |
|-----------------------|--|
| Mounting position | On horizontal DIN rail NS 35 in acc. with EN 60715 |
| Assembly instructions | on standard DIN rail NS 35 in accordance with EN 60715 |
| Net weight | 281 g |
| Color | green |
| UL, USA/Canada | UL 508 Listed |
| UL, Canada | CSA C22.2 No. 142 |

Power supply

| | |
|---------------------------------------|----------------------|
| Max. current consumption | 555 mA |
| Typical current consumption | 400 mA |
| Connection method | Bus base module |
| Conductor cross section flexible max. | 2.50 mm ² |
| Conductor cross section flexible min. | 0.20 mm ² |
| Conductor cross section solid max. | 2.50 mm ² |
| Conductor cross section solid min. | 0.20 mm ² |
| Conductor cross section AWG max. | 12 |
| Conductor cross section AWG min. | 24 |

Interfaces

| | |
|----------------------|------------------------------------|
| Interface 1 | PROFIBUS DP |
| Termination resistor | 390 Ω - 220 Ω - 390 Ω (switchable) |

Standards and Regulations

| | |
|-----------------------|--|
| Designation | Standards/regulations |
| Standards/regulations | Ring wave noise immunity in acc. with IEC 61000-4-12 |
| Designation | Standards/regulations |
| Standards/regulations | Dry heat in acc. with IEC 61131-2 |
| Designation | Standards/regulations |
| Standards/regulations | Damp heat in acc. with IEC 61131-2 |
| Designation | Standards/regulations |
| Standards/regulations | Shock and vibration in acc. with EN 61131-2 and EN 50178 |
| Designation | PROFIBUS standardization |
| Standards/regulations | IEC 61158-2 |
| UL, USA/Canada | UL 508 Listed |
| UL, Canada | CSA C22.2 No. 142 |

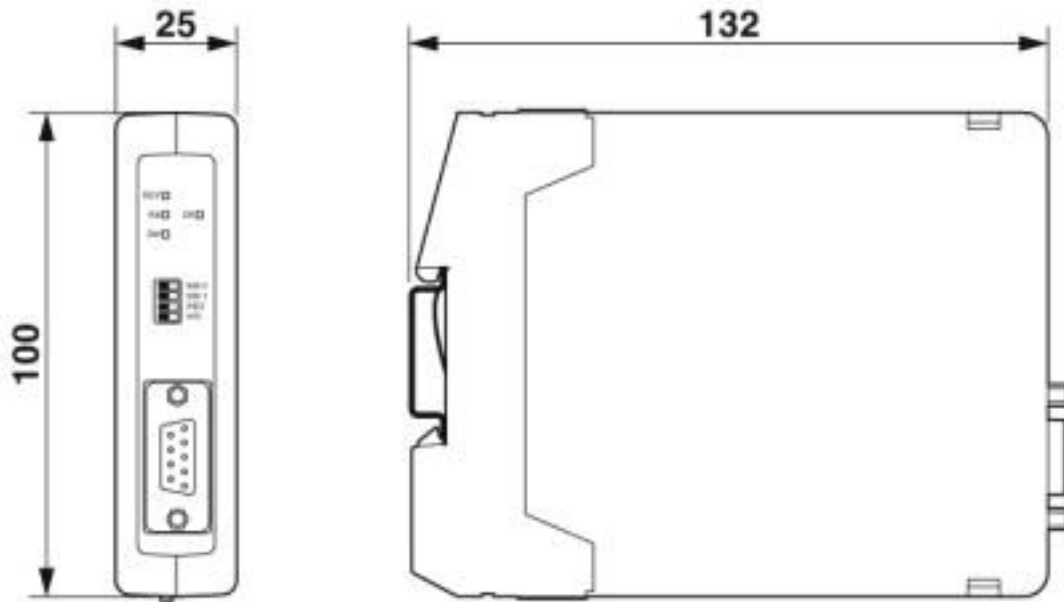
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Repeater - FB-DP-RPTR/SC - 2316374

Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242608 |
| eCl@ss 5.0 | 27242200 |
| eCl@ss 5.1 | 27242200 |
| eCl@ss 6.0 | 27242600 |
| eCl@ss 7.0 | 27242608 |
| eCl@ss 8.0 | 27242608 |
| eCl@ss 9.0 | 27242608 |

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC001604 |
| ETIM 6.0 | EC001604 |
| ETIM 7.0 | EC001604 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 32151602 |
| UNSPSC 18.0 | 32151602 |
| UNSPSC 19.0 | 32151602 |
| UNSPSC 20.0 | 32151602 |
| UNSPSC 21.0 | 32151602 |

Approvals

Approvals

Repeater - FB-DP-RPTR/SC - 2316374




Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

| | | | |
|--------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| cULus Listed |  | | |

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