

FB-HSB-DP-SC/PA - Converter



2316381

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PROFIBUS DP to PROFIBUS PA coupler system for integration and diagnostics of PROFIBUS PA in PROFIBUS DP. Includes the one-network head station unit (FB-HSB), PROFIBUS DP repeater with oscilloscope (FB-DP-RPTR/SC), and PROFIBUS PA interface module with oscilloscope.

Product description

PROFIBUS coupler/link products transparently convert PROFIBUS DP to PROFIBUS PA, while providing detailed network diagnostics and an oscilloscope feature for PROFIBUS PA and PROFIBUS DP

Your advantages

- Powerful, embedded web server for configuration and access to network diagnostics
- Manage and configure PROFIBUS field devices using FDT/DTM
- Auto detect any baud rate up to 12 Mbps transparently
- One communication interface module can drive up to ten individual PROFIBUS DP or PROFIBUS PA modules

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2316381 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DN11 |
| Product key | DNC135 |
| GTIN | 4055626287966 |
| Weight per piece (including packing) | 887 g |
| Weight per piece (excluding packing) | 887 g |
| Customs tariff number | 85176200 |
| Country of origin | NL |

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Set consists of

FB-DP-RPTR/SC - Repeater

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PROFIBUS DP interface/repeater module with oscilloscope functionality

FB-PA/SC - Repeater

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PROFIBUS PA interface module with oscilloscope

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FB-HSB - Converter

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Head station for monitoring one PROFIBUS network

Technical data

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Product properties

| | |
|--------------|----------------|
| Product type | Device coupler |
|--------------|----------------|

Electrical properties

Supply

| | |
|--------------------------|-------------------------|
| Supply voltage range | 10.8 V DC ... 26.4 V DC |
| Max. current consumption | 800 mA |

Connection data

Supply

| | |
|-----------------------------------|---|
| Conductor cross-section, flexible | 0.20 mm ² ... 2.50 mm ² |
| Conductor cross-section, rigid | 0.20 mm ² ... 2.50 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Interfaces

Data: Ethernet

| | |
|---------------------------------------|---------------------|
| Connection method | RJ45 |
| No. of channels | 1 |
| Conductor cross-section flexible max. | 2.5 mm ² |
| Conductor cross-section flexible min. | 0.2 mm ² |
| Conductor cross-section, rigid max. | 2.5 mm ² |
| Conductor cross-section, rigid min. | 0.2 mm ² |
| Conductor cross-section AWG max. | 12 |
| Conductor cross-section AWG min. | 24 |

Dimensions

| | |
|--------|--------|
| Width | 75 mm |
| Height | 100 mm |
| Depth | 132 mm |

Material specifications

| | |
|-------|-------|
| Color | green |
|-------|-------|

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP20 |
|----------------------|------|

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

Approvals

Conformity/Approvals

| | |
|------------------|-------------------|
| UL, USA / Canada | UL 508 Listed |
| UL, Canada | CSA C22.2 No. 142 |

Standards and regulations

Standards/regulations

| | |
|-----------------------|--|
| Standards/regulations | Ring wave noise immunity in acc. with IEC 61000-4-12 |
|-----------------------|--|

Standards/regulations

| | |
|-----------------------|-----------------------------------|
| Standards/regulations | Dry heat in acc. with IEC 61131-2 |
|-----------------------|-----------------------------------|

Standards/regulations

| | |
|-----------------------|------------------------------------|
| Standards/regulations | Damp heat in acc. with IEC 61131-2 |
|-----------------------|------------------------------------|

Standards/regulations

| | |
|-----------------------|--|
| Standards/regulations | Shock and vibration in acc. with EN 61131-2 and EN 50178 |
|-----------------------|--|

PROFIBUS standardization

| | |
|-----------------------|-------------|
| Standards/regulations | IEC 61158-2 |
|-----------------------|-------------|

Mounting

| | |
|-------------------|--|
| Mounting type | DIN rail: 35 mm |
| Mounting position | on horizontal DIN rail NS 35 in acc. with EN 60715 |

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Classifications

ECLASS

ECLASS-13.0

27242608

ETIM

ETIM 9.0

EC001604

UNSPSC

UNSPSC 21.0

32151600

Environmental product compliance

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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