

Device coupler - FB-ISO - 2316064

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Device coupler for Foundation Fieldbus and PROFIBUS PA. Provides intrinsically safe FISCO connection to a single end device.

Product Features

- Field barrier



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 134.2 g |
| Custom tariff number | 85389099 |
| Country of origin | United States |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|---------|
| Width | 17.5 mm |
| Height | 89.7 mm |
| Depth | 70.4 mm |

Ambient conditions

| | |
|---|--------------------------------|
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Degree of protection | IP20 |

Device coupler - FB-ISO - 2316064

Technical data

General

| | |
|-----------------------|--|
| Electrical isolation | 500 V AC (between input and output, routine test) |
| Standards/regulations | IEC 60529, IEC 61158-2 |
| | NE21 |
| | EN 61326, EN 60068-2-27, EN 60068-2-6 |
| | VI-7-2 category C, EMC1 |
| Mounting position | On horizontal DIN rail NS 35 in acc. with EN 60715 |
| Net weight | 129.7 g |
| Color | green |
| Conformance | CE-compliant, additionally EN 61326 |

Power supply

| | |
|-----------------------------|--|
| Supply voltage range | 17 V DC ... 32 V DC (input on trunk line side) |
| Typical current consumption | 10 mA |

Serial interface

| | |
|---------------------------------------|---|
| Interface 1 | Foundation Fieldbus and PROFIBUS PA Segment |
| Connection method | Pluggable COMBICON screw connection for each spur |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| Output nominal voltage | ≥ 10 V (each spur) |
| Output current | 15 mA (each spur, adjustable via selector switch) |
| Maximum output current | 22 mA (each spur, adjustable via selector switch) |

Safety data

| | |
|---------------------------------|--|
| Input voltage U_i | 32 V |
| Group | IIC |
| Max. external capacity C_o | 0.36 μ F |
| Group | IIB |
| Max. external capacity C_o | 2.11 μ F |
| Group | IIB |
| Max. external inductivity L_o | 660 μ H |
| Group | IIC |
| Max. external inductivity L_o | 220 μ H |
| ATEX | II 3(3) G Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur) |
| | II 3(1) GD Ex nA [ia Ga Da] IIC T4 Gc, FISCO power supply (spur) |

Device coupler - FB-ISO - 2316064

Technical data

Safety data

| | |
|-------|---|
| IECEX | Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur) |
| | Ex nA [ja Ga Da] IIC T4 Gc, FISCO power supply (spur) |

Standards and Regulations

| | |
|-----------------------|--|
| Shock | 15g, 11 ms |
| Standards/regulations | IEC 60529, IEC 61158-2 |
| | NE21 |
| | EN 61326, EN 60068-2-27, EN 60068-2-6 |
| | VI-7-2 category C, EMC1 |
| Electrical isolation | 500 V AC (between input and output, routine test) |
| Vibration (operation) | 1g, 10 Hz - 150 Hz |
| Conformance | CE-compliant, additionally EN 61326 |
| Group | IIC |
| | IIB |
| | IIB |
| | IIC |
| ATEX | II 3(3) G Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur) |
| | II 3(1) GD Ex nA [ja Ga Da] IIC T4 Gc, FISCO power supply (spur) |
| IECEX | Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur) |
| | Ex nA [ja Ga Da] IIC T4 Gc, FISCO power supply (spur) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250203 |
| eCl@ss 4.1 | 27250203 |
| eCl@ss 5.0 | 27250203 |
| eCl@ss 5.1 | 27259205 |
| eCl@ss 6.0 | 27259090 |
| eCl@ss 7.0 | 27259090 |
| eCl@ss 8.0 | 27242610 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001423 |
| ETIM 3.0 | EC001600 |
| ETIM 4.0 | EC001600 |
| ETIM 5.0 | EC001600 |

Device coupler - FB-ISO - 2316064

Classifications

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211506 |
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11 | 39121008 |
| UNSPSC 12.01 | 39121008 |
| UNSPSC 13.2 | 43201553 |

Accessories

Accessories

Base element

Surge protection base element - PT 1X2+F-BE - 2856126



Base element for protective plug PT with protective circuit for a 2-core floating signal circuit. Integrated gas arrester as coarse protection between GND and PE. Mounting on NS 35/7.5 und NS 35/15, housing width: 17.5 mm.

Power supply

Power supply - FB-PS-25/0.36A - 2316035



Isolated Foundation Fieldbus Power Supply with integrated Terminator. Multiple single channel modules can be installed using Phoenix Contacts TBUS connector system reducing wiring and installation costs.

Surge protection for measurement and control technology

Surge protection plug - PT 1X2-24AC-ST - 2856058



PT protective connector with protective circuit for a 2-wire floating signal circuit. HART-compatible.

Device coupler - FB-ISO - 2316064

Accessories

Control cabinet - FB- 8-ENCL - 2316093



Enclosure for Foundation Fieldbus and PROFIBUS PA. 8 ports with glands.

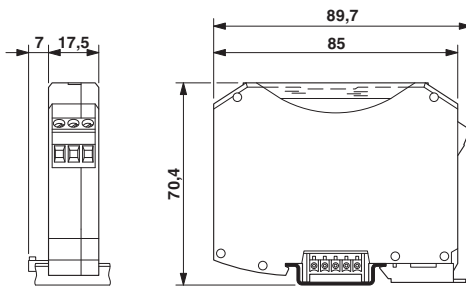
Control cabinet - FB-13-ENCL - 2316103



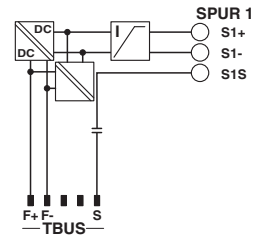
Enclosure for Foundation Fieldbus and PROFIBUS PA. 11 ports with glands and 2 plugged ports.

Drawings

Dimensional drawing



Circuit diagram



Connection diagram: FB-ISO



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.