

Trunk module - FB-ET - 2316048

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Trunk module for Foundation Fieldbus and PROFIBUS PA expansions with terminator



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	103.6 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
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Dimensions

Width	17.5 mm
Height	99.1 mm
Depth	70.4 mm

Ambient conditions

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

General

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Technical data

General

Standards/regulations	IEC 60529, IEC 61158-2
	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6
	FF-846
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	102.7 g
Color	green
Conformance	CE-compliant, additionally EN 61326
Fieldbus Foundation	FF-846

Power supply

Nominal supply voltage	24 V DC (IIC)
	32 V DC (IIB)
Supply voltage range	24 V DC ... 32 V DC
Max. current consumption	12 mA (with terminator)
Typical current consumption	8 mA (without termination resistor)

Serial interface

Interface 1	Foundation Fieldbus and PROFIBUS PA Segment
Connection method	Pluggable COMBICON screw connection for each spur
Termination resistor	100 Ω , external removable plug included
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
Surge protection	Active if voltage exceeds 39 V (typ.) or 41 V (max.)
Voltage drop trunk line / outputs	≤ 0.2 V

Safety data

Input voltage U_i	17.5 V (for FB-2SP in a FNICO/FISCO ic system)
ATEX	Sira 08ATEX4302X; II 3G Ex nA IIC T4 Gc II 3G Ex ic IIC T4 Gc, FISCO ic II 3G Ex nL IIC T4 Gc, FNICO
IECEX	IECEX SIR 08.0109X; Ex nA IIC T4 Gc; Ex ic IIC T4 Gc, FISCO ic; Ex nL IIC T4 Gc, FNICO
CSA, USA/Canada	Class I, Division 2, Groups A,B,C,D; Ex nA IIC T4 Class I, Zone 2, AEx nA IIC T4

Standards and Regulations

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Technical data

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
	FF-846
Vibration (operation)	1g, 10 Hz - 150 Hz
Conformance	CE-compliant, additionally EN 61326
Fieldbus Foundation	FF-846
ATEX	Sira 08ATEX4302X; II 3G Ex nA IIC T4 Gc II 3G Ex ic IIC T4 Gc, FISCO ic II 3G Ex nL IIC T4 Gc, FNICO
IECEX	IECEX SIR 08.0109X; Ex nA IIC T4 Gc; Ex ic IIC T4 Gc, FISCO ic; Ex nL IIC T4 Gc, FNICO
CSA, USA/Canada	Class I, Division 2, Groups A,B,C,D; Ex nA IIC T4 Class I, Zone 2, AEx nA IIC T4

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

UNSPSC

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

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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.

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.

Control cabinet - FB- 8-ENCL - 2316093



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

Control cabinet - FB-13-ENCL - 2316103

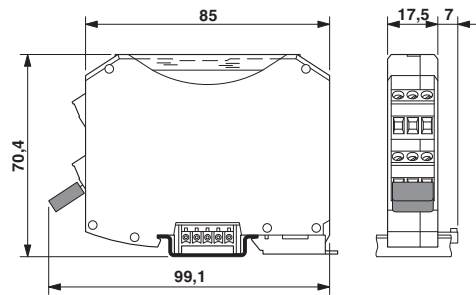


Enclosure for Foundation Fieldbus and PROFIBUS PA. 11 ports with glands and 2 plugged ports.

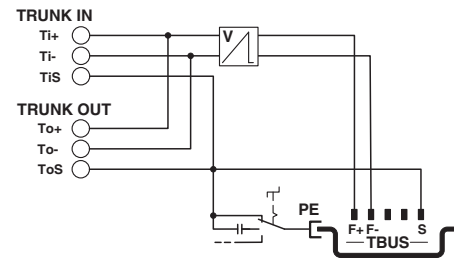
Drawings

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Dimensional drawing



Circuit diagram



Connection diagram: FB-ET