

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 STK
GTIN	 4 046356 466165
GTIN	4046356466165

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

Standards/regulations	IEC 60529, IEC 61158-2
	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6

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General

	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

Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Standards/regulations	IEC 60529, IEC 61158-2
	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6
	FF-846
Shock	15g, 11 ms

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Standards and Regulations

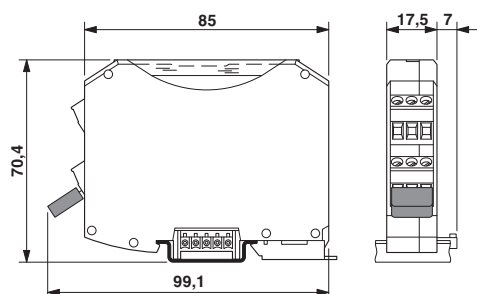
Vibration (operation)	1g, 10 Hz ... 150 Hz
Conformance	CE-compliant, additionally EN 61326
Fieldbus Foundation	FF-846
ATEX	Sira 08ATEX4302X; II 3G Ex nA IIC T4 Gc II 3G Ex ic IIC T4 Gc, FISCO ic II 3G Ex nL IIC T4 Gc, FNICO
IECEX	IECEX SIR 08.0109X; Ex nA IIC T4 Gc; Ex ic IIC T4 Gc, FISCO ic; Ex nL IIC 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

Environmental Product Compliance

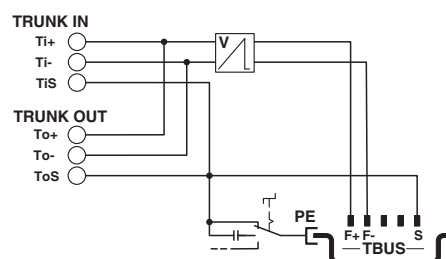
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Circuit diagram



Connection diagram: FB-ET

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