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# Trunk module - FB-ET/E - 2316050

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Trunk module for Foundation Fieldbus and PROFIBUS PA modular device couplers with terminator

## Product Description

The FB-ET/E connects the trunk of a fieldbus segment to modular device couplers using the tbus connector system. Pre-installed terminator in the trunk-out connector for easy installation.



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 000923

## 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

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## Technical data

### General

	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	444 g
Color	green
Conformance	CE-compliant, additionally EN 61326
Fieldbus Foundation	FF-846

### Power supply

Supply voltage range	10.5 V DC ... 32 V DC (input on trunk line side)
Max. current consumption	2 mA (with terminator)

### 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 <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
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 <sub>i</sub>	17.5 V (FNICO/FISCO ic)
Input current I <sub>i</sub>	1 A (max. T-BUS load current)
Max. output voltage U <sub>o</sub>	= U <sub>i</sub>
ATEX	Sira 14ATEX4017X; II 3G; Ex nA IIC T4 Gc; Ex ic IIC T4, FISCO ic
IECEX	IECEX SIR 14.0010X; Ex nA IIC T4 Gc; Ex ic IIC T4 Gc, FISCO ic
CSA, USA/Canada	Class I, Div. 2, Groups A, B, C, D; Ex nA IIC T4 Gc; Ex nL IIC T4, FNICO; Ex ic IIC T4 Gc, FISCO ic Class I, Zone 2; AEx nA IIC T4 Gc; AEx nL IIC T4, FNICO; AEx ic IIC T4 Gc, FISCO ic

### 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

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#### Standards and Regulations

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### Classifications

#### eCl@ss

eCl@ss 5.1	27259205
eCl@ss 6.0	27259090
eCl@ss 8.0	27242608

#### ETIM

ETIM 4.0	EC001600
ETIM 5.0	EC001604

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