

FB-DIAG/FF/LI - Device coupler



2316284

<https://www.phoenixcontact.com/us/products/2316284>

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Field diagnostics module, legacy installation, includes pluggable side connector



Commercial data

Item number	2316284
Packing unit	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4046356783248
Weight per piece (including packing)	114.3 g
Weight per piece (excluding packing)	114.3 g
Customs tariff number	85389099
Country of origin	US

Technical data

Notes

Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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Product properties

Product type	Device coupler
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Electrical properties

Supply

Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	27 mA
Max. current consumption	29 mA

Ex data

Safety data

Input voltage U_i	32 V DC
Input current I_i	274 mA (IIC)
	570 mA (IIB)
Inductance L_i	10 μ H
Capacitance C_i	0 μ F

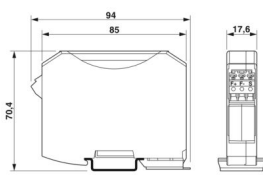
Interfaces

Signal	PROFIBUS
	FOUNDATION Fieldbus

Data: FOUNDATION Fieldbus

Connection method	Pluggable screw connection with test points
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

Dimensional drawing	
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Width	17.7 mm
Height	93.9 mm
Depth	70.4 mm

Material specifications

Color	green
Flammability rating according to UL 94	V0

Mechanical tests

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	: 30g, 11 ms half-sine shock pulse
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: 5g, 10 ... 150 Hz
Corrosive resistance in accordance with ANSI-ISA 71.04-1985 - Severity level G3	:

Environmental and real-life conditions

Ambient conditions

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

Approvals

Conformity/Approvals

Conformance	IEC 61158-2
Fieldbus Foundation	FF-830
EN	EN 61326, EN 60068-2-27, EN 60068-2-6
NE	NE21

Ex data

ATEX	Sira 13ATEX4149X; Ⓢ II 3G Ex nA [ic] IIC T4 Gc
IECEX	IECEX SIR 13.0060X; Ex nA [ic] IIC T4 Gc
CSA, USA/Canada	Class I, Div. 2, Groups A,B,C,D; Ex nA nL IIC T4 Gc Class I, Zone 2, AEx nA nC IIC T4 Gc

Standards and regulations

Standards/regulations

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

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

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

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Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
Standards/regulations	IEC 61158-2

Mounting

Mounting type	DIN rail mounting
Mounting position	Any orientation on DIN rail, NS 35, in acc. with EN 60715

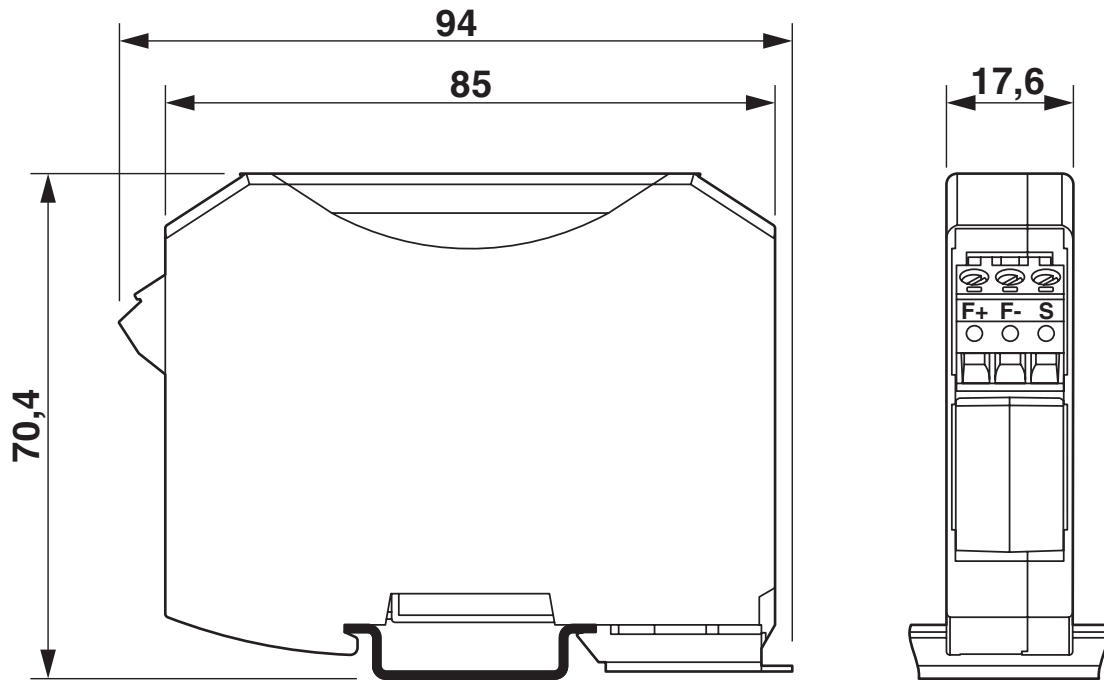
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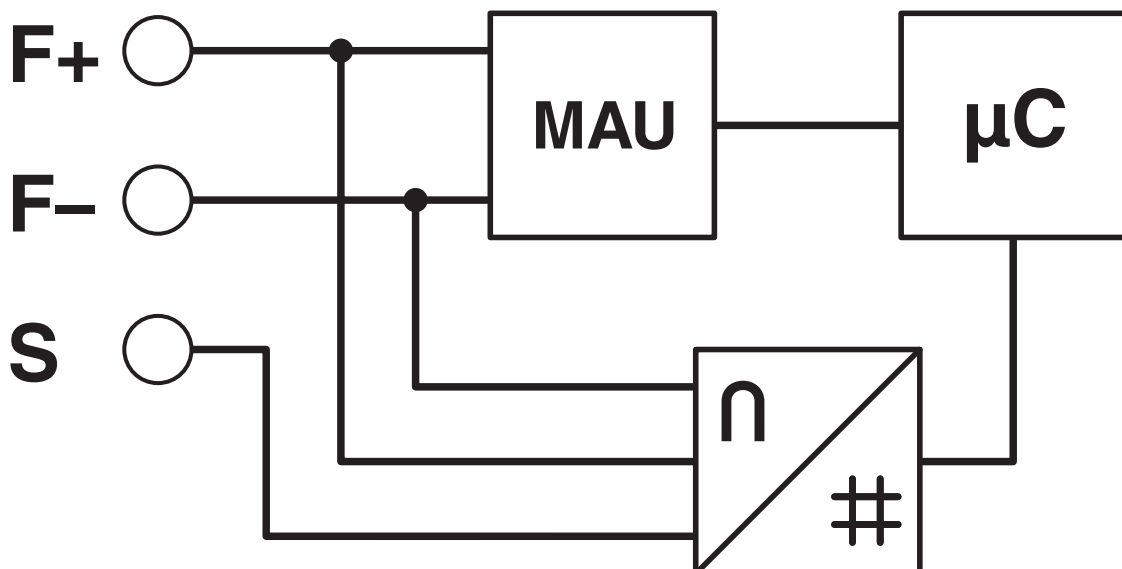
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Drawings

Dimensional drawing



Block diagram



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Approvals

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IECEx

Approval ID: IECEx SIR 13.0060X



ATEX

Approval ID: Sira 13ATEX4149X

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Classifications

UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

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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