

Device coupler - FB-DIAG/FF/LI - 2316284

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Field diagnostics module, legacy installation, includes pluggable side connector



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 783248
GTIN	4046356783248
Weight per Piece (excluding packing)	100.000 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	17.7 mm
Height	93.9 mm
Depth	70.4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

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Technical data

General

Standards/regulations	IEC 60529, IEC 61158-2
Mounting position	Any orientation on DIN rail, NS 35, in acc. with EN 60715
Net weight	114.3 g
Color	green
Conformance	IEC 61158-2
Fieldbus Foundation	FF-830

Power supply

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

Serial interface

Interface 1	FOUNDATION Fieldbus
Connection method	Pluggable screw connection with test points
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
Inductance Li	10 µH

Safety data

Input voltage U _i	32 V DC
Input current I _i	274 mA (IIC)
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

Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	30g, 11 ms half-sine shock pulse
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 10 ... 150 Hz
Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Standards/regulations	IEC 60529, IEC 61158-2
Flammability rating according to UL 94	V0
Conformance	IEC 61158-2

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Technical data

Standards and Regulations

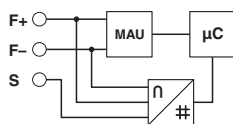
Fieldbus Foundation	FF-830
ATEX	Sira 13ATEX4149X; # II 3G Ex nA [ic] IIC T4 Gc
IECEX	IECEX SIR 13.0060X; Ex nA [ic] IIC T4 Gc
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Mounting position	Any orientation on DIN rail, NS 35, in acc. with EN 60715

Environmental Product Compliance

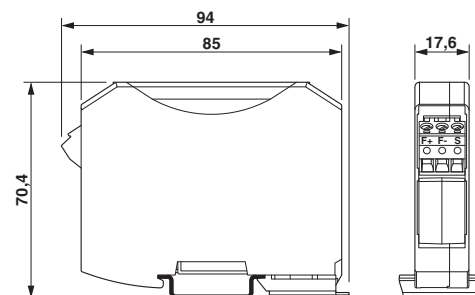
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Block diagram



Dimensional drawing



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	27242610
eCl@ss 7.0	27242610
eCl@ss 8.0	27242610
eCl@ss 9.0	27242610

ETIM

ETIM 3.0	EC001600
ETIM 4.0	EC000261
ETIM 5.0	EC001600

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Classifications

ETIM

ETIM 6.0	EC001600
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UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	32151602

Accessories

Accessories

Device coupler

Device coupler - FB-6SP - 2316307



Device coupler for Foundation Fieldbus and PROFIBUS PA with terminal connections for six spurs connected to fieldbus end devices.

Device coupler - FB-12SP - 2316310



Device coupler for Foundation Fieldbus and PROFIBUS PA with terminal connections for 12 spurs connected to fieldbus end devices.