

FB-DIAG/FF/NC - Device coupler



2316297

<https://www.phoenixcontact.com/pc/products/2316297>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Field diagnostic module, includes TBUS connector

Commercial data

Item number	2316297
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC1Z1
Catalog page	Page 457 (C-6-2019)
GTIN	4046356783231
Weight per piece (including packing)	113 g
Weight per piece (excluding packing)	97.1 g
Customs tariff number	85389099
Country of origin	US

FB-DIAG/FF/NC - Device coupler

2316297

<https://www.phoenixcontact.com/pc/products/2316297>



Technical data

Notes

Utilization restriction	
CCCex note	Use in potentially explosive areas is not permitted in China.

Product properties

Product type	Device coupler
--------------	----------------

Electrical properties

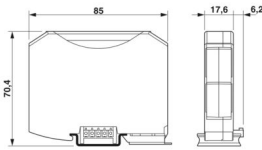
Supply	
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	27 mA
Max. current consumption	29 mA

Interfaces

Signal	PROFIBUS
	FOUNDATION Fieldbus

Data: FOUNDATION Fieldbus	
Connection method	TBUS
Output nominal voltage	≤ 32 V
Output current	29 mA
Maximum output current	29 mA

Dimensions

Dimensional drawing	
Width	17.7 mm
Height	85 mm
Depth	70.4 mm

Material specifications

Color	green
Flammability rating according to UL 94	V0

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20

FB-DIAG/FF/NC - Device coupler



2316297

<https://www.phoenixcontact.com/pc/products/2316297>

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 13ATEX4148X; Ⓢ II 3G Ex nA IIC T4 Gc
IECEX	IECEX SIR 13.0059X; Ex nA IIC T4 Gc
CSA, USA/Canada	Class I, Div. 2, Groups A,B,C,D; Ex nA IIC T4_Gc Class I, Zone 2, AEx nA IIC T4_Gc

Standards and regulations

Standards/regulations

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

Standards/regulations

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

Standards/regulations

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

Standards/regulations

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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com