FB2-S1-12SP-S-0-16-00-0-0 - Junction box

2316433

https://www.phoenixcontact.com/us/products/2316433

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.



Stainless steel field junction box with 16 ports for use in hazardous locations. Includes 12-spur block device coupler (FB-12SP) for Foundation Fieldbus or PROFIBUS PA, trunk cable (+, -, S) is connected to a Plugtrab surge base (PT 4+F-BE).

Product description

FF/PA - 12-spur block junction box

Your advantages

- Single-sided plug configuration eliminates cable bend radius issues
- Provides current limiting short-circuit protection per spur
- Terminator preinstalled
- Connect up to 12 Foundation Fieldbus or PROFIBUS PA field devices

Commercial data

Item number	2316433
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4055626301761
Weight per piece (including packing)	6,895 g
Weight per piece (excluding packing)	6,600 g
Customs tariff number	85371098
Country of origin	US

Technical data

Notes

Note on application

Note on application	Only for industrial use

Utilization restriction

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

Product properties

Product type	Control box

Electrical properties

Supply

Max. current consumption	6.5 mA (No-load)
	680 mA (trunk)

Ex data

Safety data

Input voltage U_i	32 V (IIB (C/D))
	24 V (IIC (A/B))
	17.5 V (FISCO)
Inductance Li	4 µH
Capacitance Ci	0 µF
Max. output voltage U_o	U_{in} (Branch line)
Max. output current I_o	56 mA (Branch line)
Max. output power P_o	1.792 W
Safety-related maximum voltage U_m	17.5 V
IIC/IIB (per spur): Max. external inductivity L_o / Max. external capacitance C_o	/ 80 nF
	0.26 mH

Interfaces

Signal	FOUNDATION Fieldbus
	PROFIBUS

Dimensions

Width	355.6 mm
Height	304.8 mm
Depth	127 mm

Material specifications

Color	gray
Housing material	Stainless steel, 316L, electropolished

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Max. permissible relative humidity (operation)	< 95 % (non-condensing)

Approvals

ATEX

Identification	Ⓔx II 3G Ex nA [ic] IIC T4 Gc
	Ex nA nC [ic] IIC T4 Gc
	Ex ic IIC T4 Gc, FISCO ic spurs
	Ⓔx II 3 D Ex tc IIIC T135 Dc IP66
Certificate	DEMKO 16ATEX1704X

IECEx

Identification	Ex nA [ic] IIC T4 Gc
	Ex nA nC [ic] IIC T4 Gc
	Ex ic IIC T4 Gc, FISCO ic spurs
	Ⓔx II 3 D Ex tc IIIC T135 Dc IP66
Certificate	IECEx UL 16.0079X

UL, USA

Identification	Class I, Zone 2, AEx nA [ic] IIC T4
	Ex nA [ic] IIC T4 Gc X Entity/FISCO spurs
	Class I, Div. 2, Groups A, B, C, D T4
	Zone 22, AEx tc IIIB T135°C
	Ex tc IIIB T135°C Dc X IP66

UKCA Ex (UKEX)

Identification	Ⓔx II 3G Ex nA [ic] IIC T4 Gc
	Ex nA [ic] IIC T4 Gc
	Ex nA nC [ic] IIC T4 Gc
	Ex ic IIC T4 Gc, FISCO ic spurs
	Ⓔx II 3 D Ex tc IIIC T135 Dc IP66
Certificate	PxCAI22UKEx2316417X

Standards and regulations

Standards

Standards/regulations	EN 61326-1
	EN 60079-0
	EN 60079-11
	EN 60079-15

Mounting

Mounting type	Panel mounting

Classifications

ECLASS

ECLASS-13.0	27180101

ETIM

ETIM 9.0	EC000261

UNSPSC

UNSPSC 21.0	31261500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 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.)	Lead(CAS: 7439-92-1)
SCIP	bd66f8a1-881e-4b59-b718-75a8e3ed80bb

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com