

# Terminal box - FB2-S1-12SP-S-0-16-00-0-0 - 2316433

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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 Plugrab surge base (PT 4+F-BE).



## Product Description


FF/PA - 12-spur block junction box

### Why buy this product

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



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 301761
GTIN	4055626301761

## Technical data

### Dimensions

Width	355.6 mm
Height	304.8 mm
Depth	127 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Degree of protection	IP66

### General

Standards/regulations	EN 61326-1
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## Technical data

### General

	EN 60079-0
	EN 60079-11
	EN 60079-15
Net weight	6.6 g
Housing material	Stainless steel, 316L, electropolished
Color	gray
Conformance	CE-compliant, additionally EN 61326-1

### Power supply

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

### Serial interface

Inductance $L_i$	4 $\mu$ H
Max. output voltage $U_o$	$U_{in}$ (spur)

### Safety data

Input voltage $U_i$	32 V (IIB (C/D))
Max. output voltage $U_o$	$U_{in}$ (spur)
Max. output current $I_o$	56 mA (per spur)
Max. output power $P_o$	1.792 W
Group	IIC/IIB
Max. external capacity $C_o$	80 nF
Additional text	per spur
Group	IIC/IIB
Max. external inductivity $L_o$	0.26 mH
Additional text	per spur
ATEX	DEMKO 16ATEX1704X II 3 G D Ex nA [ic] IIC T4 Gc, Ex nA nC [ic] IIC T4 Gc Ex ic IIC T4 Gc, FISCO ic spurs Ex tc IIIC T135 Dc IP66
IECEX	IECEX UL 16.0079X Ex nA [ic] IIC T4 Gc, Ex nA nC [ic] IIC T4 Gc Ex ic IIC T4 Gc, FISCO ic spurs Ex tc IIIC T135 Dc IP66
Safety-related maximum voltage $U_m$	17.5 V

### Standards and Regulations

Standards/regulations	EN 61326-1
	EN 60079-0
	EN 60079-11
	EN 60079-15
Conformance	CE-compliant, additionally EN 61326-1
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UL, USA/Canada	Class I, Zone 2, AEx nA [ic] IIC T4 Gc, AEx nA nC [ic] IIC T4 Gc Entity/ FISCO spurs Class I, Div. 2, Groups A, B, C, D, T4 Class I, Zone 22, AEx tc IIIC T135 Dc IP66

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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