

Device coupler - FB-2SP - 2316051

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Device coupler for Foundation Fieldbus and PROFIBUS PA expansions with terminal connections for 2 spurs connected to fieldbus end devices



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	101.6 GRM
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	17.5 mm
Height	89.7 mm
Depth	70.4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (depending on set rated current)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

General

Standards/regulations	IEC 60529, IEC 61158-2
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Technical data

General

	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6
	FF-846
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	64 g
Color	green
Conformance	CE-compliant, additionally EN 61326
ATEX	# II 3(3) G Ex nA [nL Gc] IIB T4 Gc, FNICO spurs
	# II 3(3) G Ex nA [ic Gc] IIB T4 Gc, FISCO ic spurs
IECEX	Ex nA [nL Gc] IIB T4 Gc, FNICO spurs
	Ex nA [ic Gc] IIB T4 Gc, FISCO ic spurs
Fieldbus Foundation	FF-846

Power supply

Supply voltage range	10.3 V DC ... 32 V DC (input on trunk line side)
Typical current consumption	6 mA

Serial interface

Interface 1	Foundation Fieldbus and PROFIBUS PA Segment
Connection method	Pluggable COMBICON screw connection for each spur
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Output nominal voltage	≤ 32 V (each spur)
Output current	15 mA (each spur, adjustable via selector switch, -40 ... 85°C)
Maximum output current	22 mA (each spur, adjustable via selector switch, -40 ... 85°C)

Safety data

Max. inductance L _i	4 μH
Max. capacitance C _i	0 μF
Group	IIB
Max. external inductivity L _o	325 μH
Max. external capacity C _o	0.1 μF

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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	27259090
eCl@ss 7.0	27259090
eCl@ss 8.0	27230206

ETIM

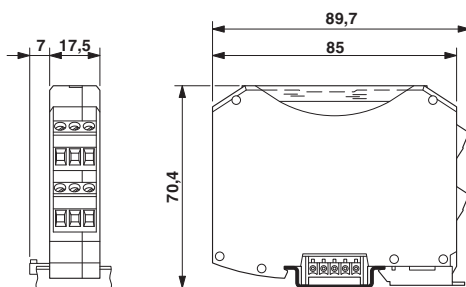
ETIM 2.0	EC001423
ETIM 3.0	EC001600
ETIM 4.0	EC001600
ETIM 5.0	EC001600

UNSPSC

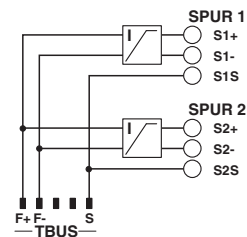
UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

Drawings

Dimensioned drawing



Circuit diagram



Connection diagram: FB-2SP