

## 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 <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
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 <sub>i</sub>	4 μH
Max. capacitance C <sub>i</sub>	0 μF
Group	IIB
Max. external inductivity L <sub>o</sub>	325 μH
Max. external capacity C <sub>o</sub>	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

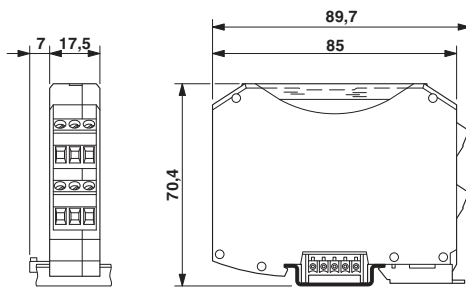
ETIM 2.0	EC001423
ETIM 3.0	EC001600
ETIM 4.0	EC001600
ETIM 5.0	EC001600

## UNSPSC

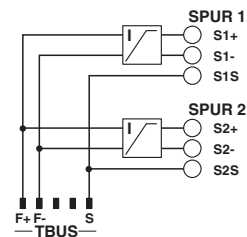
UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

## Drawings

Dimensioned drawing



Circuit diagram



Connection diagram: FB-2SP