

Device coupler - FB-ISO - 2316064

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Device coupler for Foundation Fieldbus and PROFIBUS PA. Provides intrinsically safe FISCO connection to a single end device.

Your advantages

✓ Field barrier



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 466141
GTIN	4046356466141

Technical data

Note

Utilization restriction	1
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Dimensions

Width	17.5 mm
Height	89.7 mm
Depth	70.4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Degree of protection	IP20

General

Electrical isolation	500 V AC (between input and output, routine test)
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715

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Technical data

General

Net weight	132.1 g
Color	green
Conformance	CE-compliant, additionally EN 61326

Power supply

Supply voltage range	17 V DC ... 32 V DC (input on trunk line side)
Typical current consumption	10 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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Output nominal voltage	≥ 10 V (each spur)
Output current	15 mA (each spur, adjustable via selector switch)
	25 mA (each spur, adjustable via selector switch)
	35 mA (each spur, adjustable via selector switch)
Maximum output current	22 mA (each spur, adjustable via selector switch)
	33 mA (each spur, adjustable via selector switch)
	45 mA (each spur, adjustable via selector switch)
Inductance Li	10 µH

Safety data

Input voltage U _i	32 V
Group	IIC
Max. external capacity C _o	0.36 µF
Group	IIB
Max. external capacity C _o	2.11 µF
Group	IIB
Max. external inductivity L _o	660 µH
Group	IIC
Max. external inductivity L _o	220 µH
ATEX	II 3(3) G Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur)
	II 3(1) GD Ex nA [ja Ga Da] IIC T4 Gc, FISCO power supply (spur)
IECEX	Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur)
	Ex nA [ja Ga Da] IIC T4 Gc, FISCO power supply (spur)
CSA, USA/Canada	Ex nA [ja] IIC T4

Standards and Regulations

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Technical data

Standards and Regulations

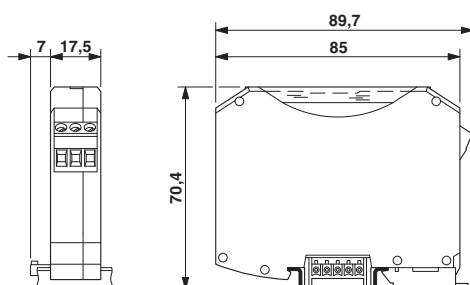
Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Standards/regulations	IEC 60529, IEC 61158-2
	NE21
	EN 61326, EN 60068-2-27, EN 60068-2-6
	VI-7-2 category C, EMC1
Electrical isolation	500 V AC (between input and output, routine test)
Shock	15g, 11 ms
Vibration (operation)	1g, 10 Hz ... 150 Hz
Conformance	CE-compliant, additionally EN 61326
Group	IIC
	IIB
	IIB
	IIC
ATEX	II 3(3) G Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur)
	II 3(1) GD Ex nA [ia Ga Da] IIC T4 Gc, FISCO power supply (spur)
IECEX	Ex nA [nL Gc] IIC T4 Gc, FNICO power supply (spur)
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CSA, USA/Canada	Ex nA [ia] IIC T4

Environmental Product Compliance

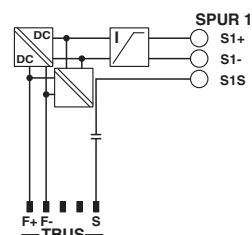
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Circuit diagram



Connection diagram: FB-ISO

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