

# FB-MUX/HS/DAIO/PA - Multiplexer



1005329

<https://www.phoenixcontact.com/us/products/1005329>

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The FB-MUX/HS/DAIO/PA head station can be used with up to three, 6-channel Digital-Analog-Input-Output modules (RAD-DAIO6-IFS). This configuration can be used as a combination digital and analog I/O solution.

## Product description

The fieldbus PA multiplexer headstation allows the integration of standard Radioline I/O modules to a Profibus PA network. The FB-MUX/HS/PA has five profile software versions for different IO configurations.

## Your advantages

- Connection of all I/O field signals with standard PROFIBUS PA cable
- Easy integration into host system with an EDD-, GSD-, or DTM-data file
- Scalable according to application needs
- UL listed
- Five application-specific head stations allow simple implementation in the field
- Suitable for ATEX Zone 2
- No software needed thanks to a pre-configured head station
- IECEx CoC

## Commercial data

Item number	1005329
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC135
GTIN	4055626475028
Weight per piece (including packing)	182.4 g
Weight per piece (excluding packing)	182.4 g
Customs tariff number	85176200
Country of origin	US

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## Technical data

### Notes

#### Utilization restriction

CCCx note	Use in potentially explosive areas is not permitted in China.
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### Product properties

Product type	Interface converter
Insulation characteristics	
Overvoltage category	II
Degree of pollution	2

### Connection data

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 14
Tightening torque	0.5 Nm ... 0.6 Nm

### Interfaces

#### Data: PROFIBUS PA

Number of connections	1
Connection method	Terminal block

### Dimensions

Width	17.5 mm
Height	114.5 mm
Depth	99 mm

### Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94	V0
Housing material	PA 6.6-FR

### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	< 2000 m

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Permissible humidity (operation)	20 % ... 95 % (non-condensing)
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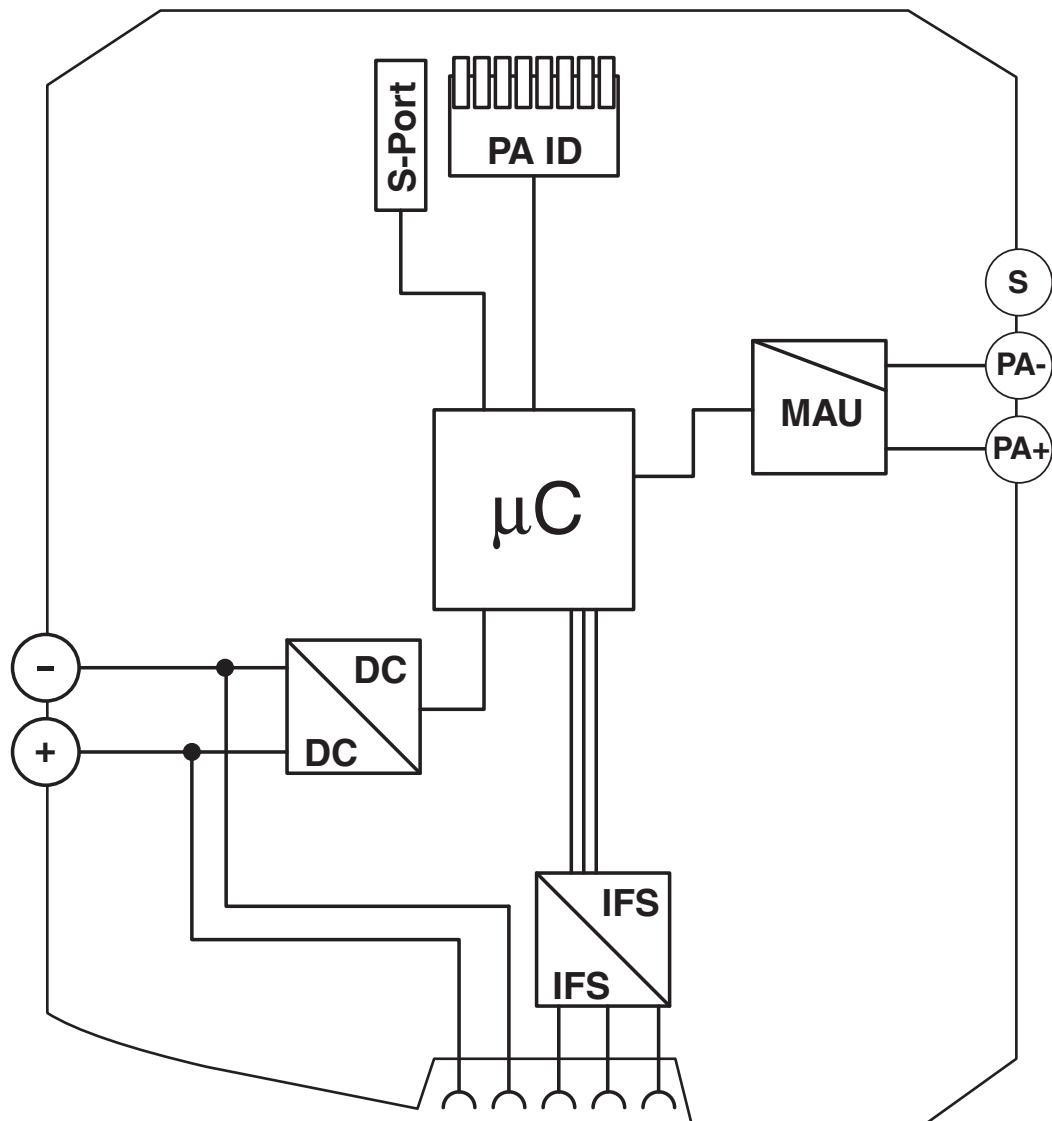


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## Drawings

Block diagram



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## Classifications

### ECLASS

ECLASS-13.0	27242208
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### ETIM

ETIM 8.0	EC002608
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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	6f58960d-606b-425a-8107-73266d51f353

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