

# IB IL 24 FLM-PAC - Communication module



2736903

<https://www.phoenixcontact.com/us/products/2736903>

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Inline, Branch terminal, for extending the Inline local bus to Inline or Fieldline Modular, transmission speed in the local bus: 500 kbps / 2 Mbps, degree of protection: IP20, including Inline connector and labeling field

## Your advantages

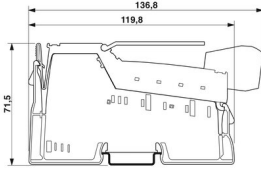
- Connection of Fieldline Modular M8 to Fieldline Modular M12
- Connection of Fieldline Modular M8 or M12 to Inline Modular

## Commercial Data

Item number	2736903
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DR01
Product Key	DRI152
Catalog Page	Page 147 (C-6-2019)
GTIN	4046356079204
Weight per Piece (including packing)	93 g
Weight per Piece (excluding packing)	43 g
Customs tariff number	85389099
Country of origin	DE

## Technical Data

### Dimensions

Dimensional drawing	
Width	12.2 mm
Height	136.8 mm
Depth	71.5 mm

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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#### Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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### Material specifications

Color	green
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### Interfaces

#### Inline local bus

Number of interfaces	1 (incoming local bus)
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps (Can be used in Inline stations with these transmission speeds)

#### Inline local bus

No. of channels	outgoing local bus
Connection method	Inline shield connector
Note on the connection method	Standard INTERBUS cable
Transmission speed	500 kbps / 2 Mbps

### System properties

#### Module

ID code (dec.)	none
ID code (hex)	none
Input address area	0 Byte
Output address area	0 Byte

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Register length	0 Byte
Required parameter data	0 Byte
Required configuration data	0 Byte

## Product properties

Type	modular
Product type	I/O component
Product family	Inline
Scope of delivery	including Inline connector and labeling field

## Electrical properties

### Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	110 mA

### Potentials

Supply voltage	24 V DC
Current draw	max. 6 A (Fieldline Modular M8 local bus, with both-side supply; maximum 3 A for go and return line each)
	max. 55 mA (internal)

## Connection data

### Connection technology

Connection name	Inline connector
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### Conductor connection

Connection method	Spring-cage connection
Conductor cross section rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

### Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)

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Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % (On average, 85 % occasionally)
Permissible humidity (storage/transport)	75 % (On average, 85 % occasionally)

## Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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## Mounting

Mounting type	DIN rail mounting
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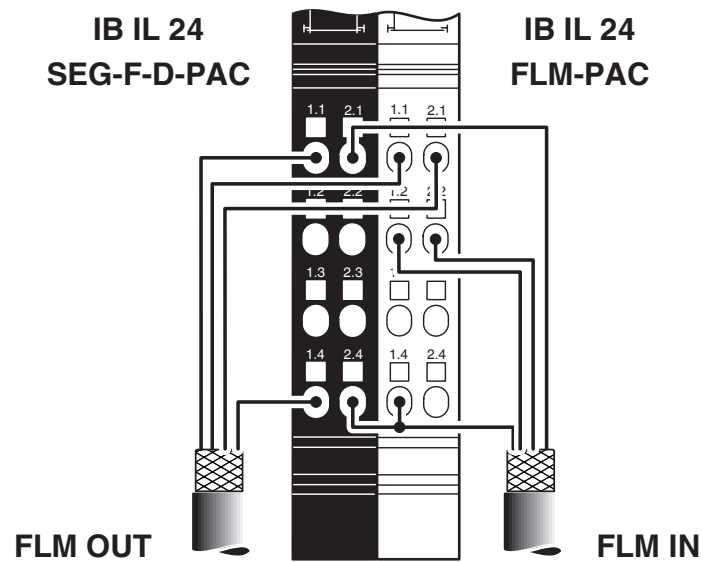
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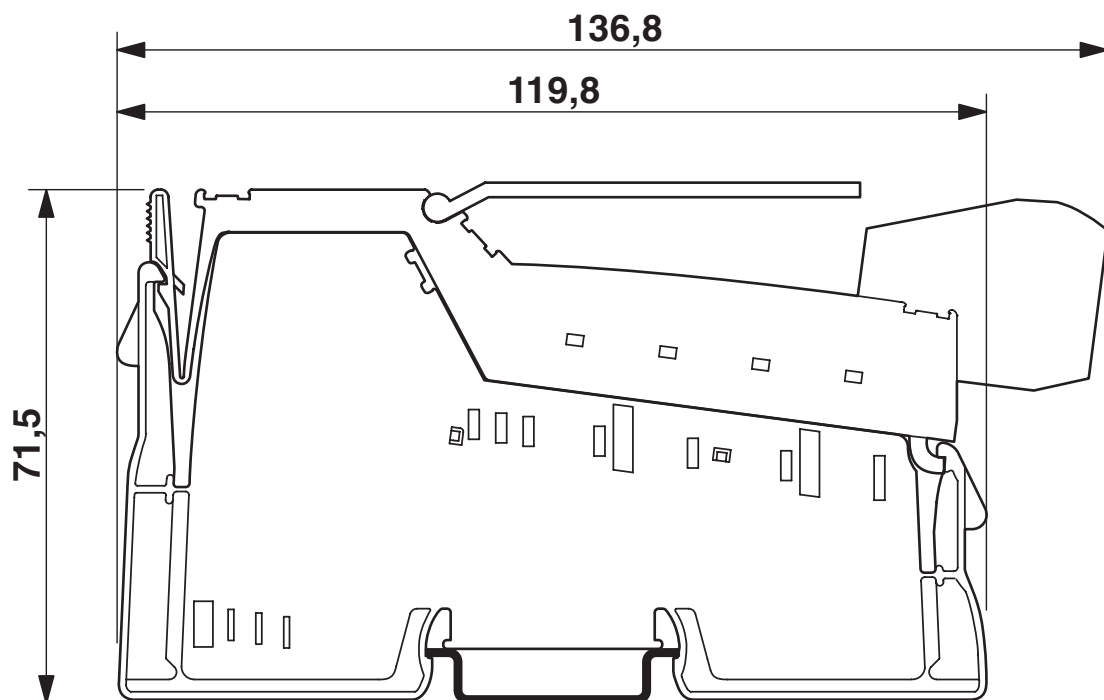
<https://www.phoenixcontact.com/us/products/2736903>

## Drawings

Connection diagram



Dimensional drawing



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## Approvals



**cUL Recognized**

Approval ID: FILE E 140324



**UL Recognized**

Approval ID: FILE E 140324



**EAC**

Approval ID: TR\_TS\_D\_01831-19



**cUL Listed**

Approval ID: FILE E 199827



**UL Listed**

Approval ID: FILE E 199827

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## Classifications

### ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

### ETIM

ETIM 8.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental Product Compliance

REACH SVHC

Lead 7439-92-1



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## Accessories

### IB IL SCN-6 SHIELD - Inline shield connector

2726353

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Inline shield connector

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### IB IL 24 SEG/F-D-PAC - Segmentation module

2861904

<https://www.phoenixcontact.com/us/products/2861904>



Inline segment terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse and diagnostics

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## IBS RBC METER/F-T - Remote bus cable

2723123

<https://www.phoenixcontact.com/us/products/2723123>



By the meter, Remote bus cable, INTERBUS, shielded, PUR halogen-free, may green RAL 6017, 6-wire (3 x 2 x 0.22 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, flexible installation

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## IBS RBC METER-T - Remote bus cable

2806286

<https://www.phoenixcontact.com/us/products/2806286>



By the meter, Remote bus cable, INTERBUS, shielded, PVC, may green RAL 6017, 6-wire (3 x 2 x 0.22 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, fixed installation

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