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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Distributed I/O device - FLS PB M12 IOL 4 M12 - 2736987

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The local bus device has 4 IO-Link ports of 200 mA. Functions: parallel processing of service and process data, 500 kbaud/2 Mbaud selection, short-circuit and overload protection, 800 mA nominal current, M12 fast connection technology.

### Product description

The device serves to connect IO-Link devices.

### Product Features

- Flexible power supply concept
- Short-circuit and overload protection
- Diagnostic and status indicators
- Directly accessible address encoding switch
- Consistent connection via M12 connectors



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	333.0 GRM
Custom tariff number	85389099
Country of origin	Germany

### Technical data

#### Dimensions

Width	70 mm
Height	178 mm
Depth	49.3 mm
Drill hole spacing	168 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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### Technical data

#### Ambient conditions

Permissible humidity (storage/transport)	95 %
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Degree of protection	IP65/IP67

#### General

Weight	280 g
Mounting type	Wall mounting
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 Load 30g, half sine wave, positive and negative per direction
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g in each space direction

#### Interfaces

Fieldbus system	PROFIBUS DP
Designation	PROFIBUS DP
Connection method	M12 connector, B-coded
Designation connection point	Copper cable
Transmission speed	9,6 kBit/s ... 12 MBit/s (Automatic baud rate detection)
Transmission physics	PROFIBUS-DP-compliant copper cable
Address area assignment	1 ... 126, adjustable
Number of positions	5

#### Power supply for module electronics

Connection method	M12 connector
Designation	$U_L$
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC (including ripple)

#### Fieldline potentials

Voltage supply $U_L$	24 V DC
Power supply at $U_L$	max. 4 A
Current consumption from $U_L$	typ. 75 mA (At 500 kBaud)
	max. 100 mA (At 500 kBaud)
Voltage supply $U_S$	24 V DC
Power supply at $U_S$	max. 4 A
Current consumption from $U_S$	typ. 25 mA (plus power supply for sensors)
	max. 825 mA

#### Digital inputs

Connection method	3-conductor
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### Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242608

ETIM

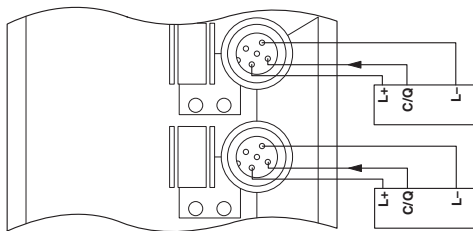
ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

### Drawings

Connection diagram



Dimensioned drawing

