# 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

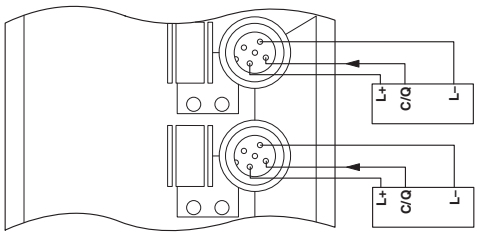
| | |
|---|---|
| ETIM 2.0 | EC001430 |
| ETIM 3.0 | EC001599 |
| ETIM 4.0 | EC001599 |
| ETIM 5.0 | EC001599 |

### 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