

## Distributed I/O device - FLX ASI DI 4 M12 - 2773429

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AS-i digital input module, AB slave, 4 digital inputs, 24 V DC, 2, 3 and 4-conductor connection method, IP67 protection

### Product description

The digital Fieldline M12 AS-Interface input modules with IP67 housing protection make it possible to connect digital sensors to the AS-i using M12 plugs using the SPEEDCON connection method.


The modules are connected to AS-i using the flat-ribbon cable cable penetration technique.

### Why buy this product

- Tool-free connection to AS-Interface using penetration technique
- M12 connection technology with SPEEDCON fast locking system for the I/Os
- Optimized for direct mounting and DIN rail mounting



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 156608
Weight per Piece (excluding packing)	229.7 g
Custom tariff number	85176200
Country of origin	Singapore

### Technical data

#### Note:

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

Width	58 mm
Height	118 mm
Depth	35 mm
Drill hole spacing	108 mm

#### Ambient conditions

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### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Degree of protection	IP65/67

#### Interfaces

Fieldbus system	AS-i
Name	AS-Interface
Connection method	Flat-ribbon cable penetration technique
Designation connection point	AS-i
Transmission speed	167 kBit/s
Number of positions	2

#### AS-Interface

Slave type	A/B slave
AS-i specification	2.1
IO code	0
ID1 code	7
ID2 code	2
ID code (hex)	A
ID code (dec.)	10
AS-i profile	S-0.A.2
Required master specification	>= 2.0

#### Digital inputs

Input name	Digital inputs
Connection method	M12 connector
	2, 3-wire
Number of inputs	4
Input characteristic curve	IEC 61131-2 type 2
Delay at signal change from 0 to 1	2 ms
Delay at signal change from 1 to 0	2 ms

#### Power supply for module electronics

Current consumption	≤ 40 mA (Without sensors)
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#### General

Weight	195 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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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	27242604

#### 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

### Approvals

#### Approvals

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#### Approvals

UL Listed / cUL Listed / ASI-Interface / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

UL Listed
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## Distributed I/O device - FLX ASI DI 4 M12 - 2773429

### Approvals

cUL Listed 

ASI-Interface

cULus Listed 

### Accessories

#### Accessories

#### Addressing device

Manual addressing device - ASI CC ADR - 2741338



Manual addressing device, for AS-i modules

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#### Data cable by the meter

Flat-ribbon conductor - VS-ASI-FC-EPDM-YE 100M - 1432402



AS-Interface EPDM flat conductor in yellow, 2 x 1.5 mm<sup>2</sup>, 100 m ring

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Flat-ribbon conductor - VS-ASI-FC-EPDM-YE 1000M - 1434646



AS-Interface EPDM flat conductor in yellow, 2 x 1.5 mm<sup>2</sup>, 1000 m on a disposable drum

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### Accessories

Flat-ribbon conductor - VS-ASI-FC-TPE-UL-YE 100M - 1404922



AS-Interface TPE flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 100 m ring

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Flat-ribbon conductor - VS-ASI-FC-TPE-UL-YE 1000M - 1434662



AS-Interface TPE flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 1000 m on disposable drum

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Flat-ribbon conductor - VS-ASI-FC-PVC-UL-YE 100M - 1404906



AS-Interface PVC flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 100 m ring

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Flat-ribbon conductor - VS-ASI-FC-PVC-UL-YE/1000 - 1404867



AS-Interface PVC flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 1000 m on an one-way drum

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### Device marking

Label sheet, DIN A4 - BMKL 64X16 WH - 0821807



Label sheet, DIN A4, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Mounting type: Adhesive, Lettering field: 64 x 16 mm

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### Programming cable

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### Accessories

Cable for programming - ASI CC ADR CAB CINCH - 2741341



Cinch connecting cable, for addressing FLX ASI M12 devices

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### Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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### Safety locking

Safety latch - FLX ASI M12 FS - 2773539



Protection against accidentally unlocking the FLX ASI M12 devices

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### Drawings

Connection diagram

