

## Distributed I/O device - FLX ASI DIO 4/4 M8-1A - 2773416

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AS-i digital input/output module, 4 digital inputs, 24 V DC, 2, 3-wire connection method, 4 digital outputs, 24 V DC, 0.5 A, 2-wire connection method, IP67 protection

### Product Description

The digital Fieldline Extension AS-Interface M8 input modules with IP67 housing protection make it possible to connect digital sensors to the AS-i using M8 connectors.


The modules are connected to AS-i with an M12 connector using the SPEEDCON connection method.

### Your advantages

- Optimized for 30 mm mounting profile
- M12 connection technology with SPEEDCON fast locking system for the AS-Interface connection
- M8 connection technology for the I/Os



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 156592
GTIN	4046356156592
Weight per Piece (excluding packing)	125.000 g
Custom tariff number	85176200
Country of origin	Singapore
Note	Made to Order (non-returnable)

### Technical data

#### Note

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

Width	30 mm
Height	26 mm
Depth	143 mm

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## Technical data

### Dimensions

Drill hole spacing	133 mm
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Degree of protection	IP65/IP67

### Interfaces

Designation	AS-Interface
Connection method	M12 connector, (A-coded)
Designation connection point	AS-i
Transmission speed	167 kbps
Number of positions	2

### AS-Interface

Slave type	Single slave
AS-i specification	2.0
IO code	7
ID code (hex)	0
ID code (dec.)	0
AS-i profile	S-7.0
Required master specification	>= 2.0

### Digital inputs

Input name	Digital inputs
Description of the input	IEC 61131-2 Type 2
Connection method	M8 connector
Connection technology	2, 3-wire
Number of inputs	4

### Digital outputs

Output name	Digital outputs
Connection method	M8 connector
Connection technology	2-wire
Number of outputs	4
Maximum output current per channel	1 A
Maximum output current per module / terminal block	4 A

### General

Mounting type	Wall mounting
Color	black
Net weight	125 g
Mounting type	direct screw connection
Mounting position	any

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## Technical data

### Standards and Regulations

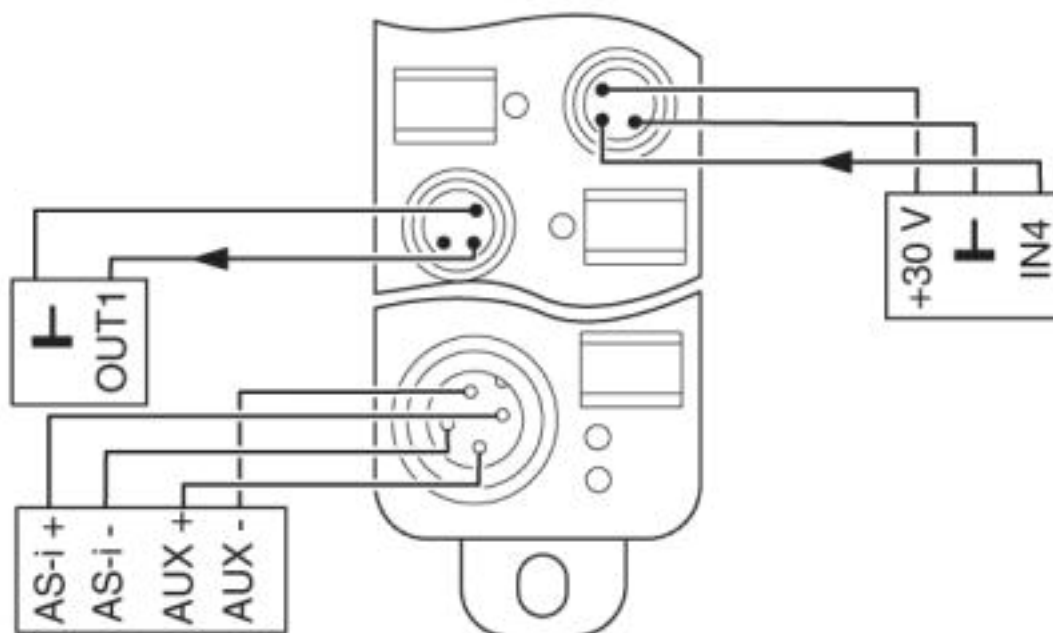
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Connection diagram



## Classifications

### eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

### ETIM

ETIM 2.0	EC001430
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## Classifications

### ETIM

ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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ASI-Interface		80801/ 06.11.07
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### Approvals

cULus Listed



### Accessories

#### Accessories

##### Adapter

Connection element - ASI CC DIST FCAB 5M12 - 2741477



Passive signal distributor, connection element, from flat-ribbon cable to 5 x M12 plug, e.g., for connecting up to 5 FLX AS-i M8 devices or 5 AS-i S-Line devices to the AS-i flat-ribbon cable

### Addressing device

Manual addressing device - ASI CC ADR - 2741338



Manual addressing device, for AS-i modules

### Data cable by the meter

Flat-ribbon conductor - VS-ASI-FC-PUR-YE 100M - 1404883



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

Flat-ribbon conductor - VS-ASI-FC-PUR-BK 100M - 1404896



AS-Interface PUR flat conductor in black, for additional power supply, 2 x 1.5 mm<sup>2</sup>, 100 m ring

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### Accessories

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-BK 100M - 1404919



AS-Interface PVC flat conductor with UL in black, for additional power supply, 2 x 1.5 mm<sup>2</sup>, 100 m ring

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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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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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### Accessories

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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### Network distributor box

Distributor - VS-ASI-J-Y-B-M12FS - 1404427



AS-Interface distributor with IP65/IP67/IP69k degree of protection for 2 flat-ribbon conductors, with a straight, A-coded, 4-pos. M12 socket

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Distributor - VS-ASI-J-Y-B-FFKDS - 1404498



AS-Interface distributor with IP20 degree of protection for two flat-ribbon conductors, with spring-cage terminal blocks for four litz wires up to 1.5 mm<sup>2</sup>

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### Accessories

Distributor - VS-ASI-J-Y-B-PUR-1,0-M12FS SCO - 1404456



AS-Interface distributor with IP67 protection for two flat-ribbon conductors, with 2.0 m PUR round conductor and a molded, straight, A-coded, 4-pos. M12 SPEEDCON socket

Distributor - VS-ASI-J-Y-B-PUR-1,0-M12FR SCO - 1404469



AS-Interface distributor with IP67 protection for two flat-ribbon conductors, with 2.0 m PUR round conductor and a molded, angled, A-coded, 4-pos. M12 SPEEDCON socket

Distributor - VS-ASI-J-Y-B-PUR-2,0-M12FS SCO - 1404472



AS-Interface distributor with IP67 protection for two flat-ribbon conductors, with 2.0 m PUR round conductor and a molded, straight, A-coded, 4-pos. M12 SPEEDCON socket

Distributor - VS-ASI-J-Y-B-PUR-2,0-M12FR SCO - 1404485



AS-Interface distributor with IP67 protection for two flat-ribbon conductors, with 2.0 m PUR round conductor and a molded, angled, A-coded, 4-pos. M12 SPEEDCON socket

### Plug for cable screw gland

Screw plug - PROT-M8 - 1682540



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

### Sensor/actuator cable



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### Accessories

Sensor/actuator cable - SAC-4P-M12MS/ 0,6-PUR/M12FS - 1668360



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 0.6 m

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### Terminal marking

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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Connection element - ASI CC DIST FCAB M12 - 2741309



Connecting element for AS-i devices

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Connection element - ASI CC DIST FCAB RCAB - 2741312



Connection element, flat-ribbon cable to M12 connector, for AS-i modules