

MVP12-P6 DIO16 8xM12A IOLA12 B0

IO-Link Class A I/O module

Art.No.: 59719

Weight: 0.2

Country of origin: DE

Model designation: MVP12-P6 DIO16 8xM12A IOLA12 B0

IO-Link hub in 50 mm plastic housing

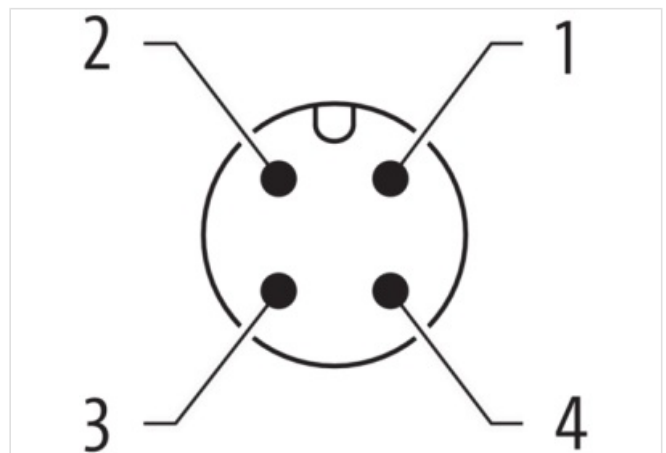
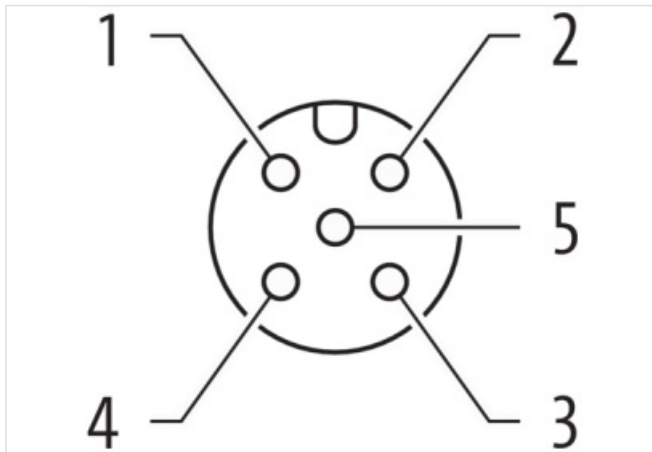
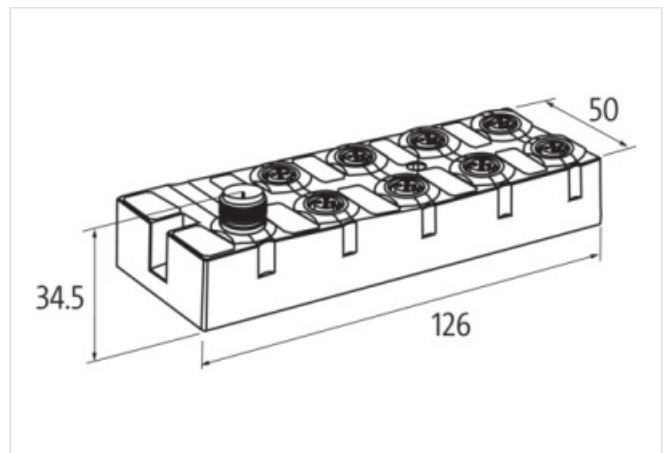
1 × M12 IO-Link Class A

8 × M12 I/O

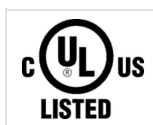
16 configurable digital inputs/outputs

Preconfigured parameter range

Connection cables are in the online shop under "Connection Technology".

[Link to Product](#)**Illustration**

Product may differ from Image

**Header**

Material short text

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Commercial data	
URL Webshop	https://shop.murrelektronik.com/59719
GTIN	4048879865036
ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604
ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604
ECLASS-10.1	27242604
ECLASS-11.0	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
customs tariff number	85389099
EAN	4048879865036
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage US DC	24 V
Operating voltage US DC min.	18 V
Operating voltage US DC max.	30 V
Total current US max.	4 A
Current consumption max.	40 mA
Electrical data Input	
Sensor current per input max.	0.5 A
Input filter time	1 ms
Type input	Type 3, Type 1
Electrical data Output	
Output current per pin max.	0.5 A
Industrial communication IO-Link	
IO-Link type	Device
Port Class	A
IO-Link revision ID	V1.1.2
IO-Link transmission rate	COM3 (230.4 kbit/s)
IO-Link process data length input	2 bytes
IO-Link process data length output	2 bytes
IO-Link cycle time min.	1 ms
IO-Link revision compatibility	V1.1.3
Diagnostics	
Actuator warning	yes
Short circuit diagnosis	yes
Overload diagnosis	yes
Diagnostic via LED	per module and channel
Status indication LED	green
LED display	Ethernet connection/data traffic

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-10-23

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IO-Link events Undervoltage supply, No voltage

Device protection Electrical	
Installation height max. ASL	3,000 m
Degree of protection (EN IEC 60529)	IP68
Overload resistant	yes
Short-circuit protected	yes
Mechanical data Mounting data	
Height	126 mm
Width	50 mm
Depth	34.5 mm
Suitable for mounting type	2-hole screw mounting
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	70 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Conformity	
Product standard	EN 61131-2
Connection type 2	
Connection type 1	X0-X7
Connection type 2	XZ1
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	DIO (US)
PIN 3	0 V (US)
PIN 4	DIO (US)
PIN 5	PE
Family construction form	M12
No. of poles	5
Coding	A
Gender	male
PIN 1	24 V DC (US) (L +)
PIN 2	n.c.
PIN 3	0 V (US) (L -)
PIN 4	C / Q / IO-Link
PIN 5	n.c.