MURR ELEKTRONIK
stay connected

MVP12-P6 DIO8 DIO8 8xM12A IOLA12 PL5 B0

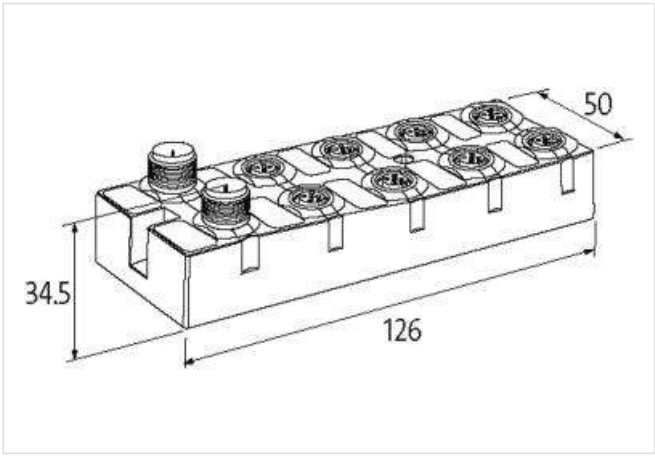
IO-Link Class A Hub + Ext. power port

IO-Link hub in 50 mm plastic housing
16 configurable digital inputs/outputs
1 × M12 IO-Link Class A
1 × M12L 5-pin power port with galvanic isolation
8 × M12 I/O
Preconfigured parameter range
Connection cables are in the online shop under "Connection Technology".

Link to Product

Illustration





Product may differ from Image

Electrical data | Supply

Operating voltage DC	24 V
Operating voltage UL1 DC	24 V
Operating voltage UL1 DC min.	18 V
Operating voltage UL1 DC max.	30 V
Operating voltage UL2 DC	24 V
Operating voltage UL2 DC min.	18 V
Operating voltage UL2 DC max.	30 V
Current consumption max.	75 mA
Total current UL1	6 A
Total current UL2	6 A

Electrical data | Input

Sensor current per input max.	0,5 A
Type input	Type 1, Type 3
Input filter time	1 ms

Electrical data | Output

Output current per pin max.	12 × 2 A; 4 × 4 A

Industrial communication | IO-Link

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: 2024-02-02

IO-Link process data length output	2 Bytes
IO-Link process data length input	2 Bytes
IO-Link revision ID	V1.1.2
IO-Link revision compatibility	V1.1.3
IO-Link type	Device
IO-Link cycle time min.	1 ms
IO-Link transmission rate	COM3 (230.4 kbit/s)
Port Class	A
Diagnostics	
Actuator warning	yes
Diagnostic via LED	per module and channel
IO-Link events	No voltage, Undervoltage supply
Short circuit diagnosis	yes
LED display	Ethernet connection/data traffic
Status indication LED	green
Overload diagnosis	yes
Device protection | Electrical	
Installation height max. ASL	3000 m
Degree of protection (EN IEC 60529)	IP68
Galvanic separation US/UL1/UL2	yes
Protective circuitry input	Suppressor diode
Invers-polarity protection	yes
Short-circuit protected	yes
Overload resistant	yes
Over voltage protection	yes
Mechanical data | Mounting data	
Suitable for mounting type	2-hole screw mounting
Height	126 mm
Width	50 mm
Depth	34,5 mm
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	70 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Conformities, approvals	
Product standard	EN 61131-2
Connection type 8	
Connection type 1	X0-X3
Connection type 2	X0-X3
Connection type 3	X4-X7
Connection type 4	X4-X7
Connection type 5	XD1
Connection type 6	XD1
Connection type 7	XZ1
Connection type 8	XZ1
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC (UL 2)

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: 2024-02-02

PIN 2	DIO (UL 2)
PIN 3	0 V (UL 2)
PIN 4	DIO (UL 2)
PIN 5	PE
Family construction form	M12
Gender	female
Coding	A
No. of poles	5
PIN 1	24 V DC UL 2
PIN 2	DIO UL 2
PIN 3	0 V UL 2
PIN 4	DIO UL 2
PIN 5	PE
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC (UL 1)
PIN 2	DIO (UL 1)
PIN 3	0 V
PIN 4	DIO (UL 1)
PIN 5	PE
Family construction form	M12
Gender	female
Coding	A
No. of poles	5
PIN 1	24 V DC UL 1
PIN 2	DIO UL 1
PIN 3	0 V UL 1
PIN 4	DIO UL 1
PIN 5	PE
Family construction form	M12
Gender	male
Color contact carrier	black
Coding	L
No. of poles	5
PIN 1	24 V DC (UL 1)
PIN 2	0 V (UL 2)
PIN 3	0 V (UL 1)
PIN 4	24 V DC (UL 2)
PIN 5	PE
Family construction form	M12
Gender	male
Coding	L
No. of poles	5
PIN 1	24 V DC UL 1
PIN 2	0 V UL 2
PIN 3	0 V UL 1
PIN 4	24 V DC UL 2
PIN 5	PE
Family construction form	M12
Gender	male
Color contact carrier	black

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: 2024-02-02

Coding	A
No. of poles	5
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.
Family construction form	M12
Gender	male
Coding	A
No. of poles	5
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.

Commercial data

customs tariff number	85389099
GTIN	4065909027844
Packaging unit	1

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: 2024-02-02