

MVP8-P3 DIO4 DIO4 8xM8-3 IOLB12 B0

IO-Link Class B I/O module

Art.No.: 59504

Weight: 0.129

Country of origin: DE

Model designation: MVP8-P3 DIO4 DIO4 8xM8-3 IOLB12 B0

IO-Link hub in 30 mm plastic housing

1 × M12 IO-Link Class B

8 × M8 I/O

8 configurable digital inputs/outputs

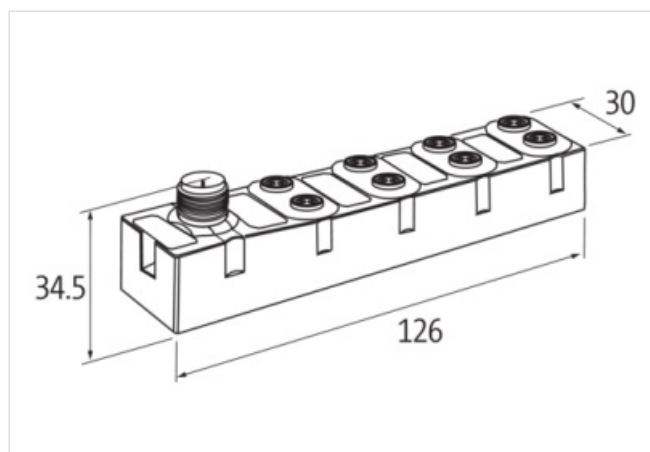
Galvanically isolated voltage groups

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	MVP8-P3 DIO4 DIO4 8xM8-3 IOLB12 B0
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Commercial data

URL Webshop	https://shop.murrelektronik.com/59504
GTIN	4048879865029
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	4048879865029
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
Operating voltage UA DC	24 V
Operating voltage UA DC min.	18 V
Operating voltage UA DC max.	30 V
Total current UA max.	4 A
Current consumption max.	50 mA

Electrical data | Input

Current operating per 2 ports max.	1 A (X0+X1, X2+X3, X4+X5, X6+X7)
Input filter time	1 ms
Type input	Type 3, Type 1

Electrical data | Output

Output current per pin max.	2 A
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Industrial communication | IO-Link

IO-Link type	Device
Port Class	B
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
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
Galvanic separation US/UA	yes

Mechanical data | Mounting data

Height	126 mm
Width	30 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	IEC/EN 61131-2
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Connection type 3

Connection type 1	X0-X3
Connection type 2	X4-X7
Connection type 3	XZ1
Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Color contact carrier	Black
PIN 1	24 V DC UA
PIN 3	0 V UA
PIN 4	DIO UA
Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Color contact carrier	Black
PIN 1	24 V DC US
PIN 3	0 V US
PIN 4	DIO US
Family construction form	M12
No. of poles	5
Coding	A
Gender	male
PIN 1	24 V DC US (L +)
PIN 2	24 V DC UA (P 24)
PIN 3	0 V US (L -)
PIN 4	C / Q / IO-Link
PIN 5	0 V UA (N 24)