

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

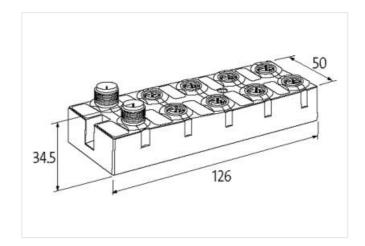
Preconfigured parameter range

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

Link to Product

Illustration





Product may differ from Image







	<u> </u>
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: 2024-05-18



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IO Link type	Davisa	
IO-Link type Port Class	Device	
IO-Link revision ID	A V1.1.2	
IO-Link revision ID IO-Link transmission rate		
IO-Link transmission rate	COM3 (230.4 kbit/s)	
IO-Link process data length input	2 Bytes 2 Bytes	
IO-Link process data length output IO-Link cycle time min.	1 ms	
IO-Link cycle time min. IO-Link revision compatibility	V1.1.3	
	V1.1.3	
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	
Overload resistant	yes	
Invers-polarity protection	yes	
Protective circuitry input	Suppressor diode	
Short-circuit protected	yes	
Galvanic separation US/UL1/UL2	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	
Conformity		
Product standard	EN 61131-2	
	ERONOLE	
Connection type 8	No. No.	
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 XZ1	
Connection type 8	M12	
Family construction form		
Gender	female	
Color contact carrier	black	
Coding	A	
No. of poles	5	
PIN 1	24 V DC (UL 2)	

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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



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