

## **Master Breakout Box NPN**

MVP12V-ON9F-NPGH

M12 plug connection with LED for digital PNP-signals 24 V DC

Plastic housings with good resistance against chemicals and oils.

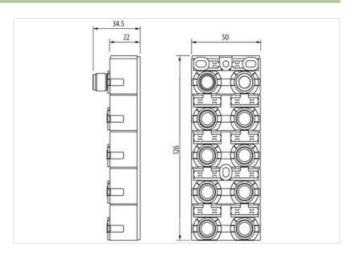
10-way

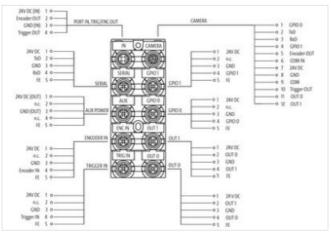
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration







Product may differ from Image







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50 kHz Frequency max. (trigger/encoder)

## Electrical data | Supply

Operating voltage DC 24 V 18 V Operating voltage DC min.

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: 2024-05-04



stay connected

Operating voltage DC max.	28 V
Nominal current	1500 mA
Open-circuit current	110 mA
Electrical data   Output	
Output current	2000 mA
·	2000 111/1
Device protection   Electrical	
Installation height max. ASL	2000 m
Degree of protection (EN IEC 60529)	IP65, IP67
Invers-polarity protection Short-circuit protected	yes
<u> </u>	yes
Device protection   Mechanical	
Shock resistance (EN IEC 60068-2-27)	50 g, 11 ms
Vibration resistance (EN IEC 60068-2-6)	0,75 mm (10 70 Hz), 15 g (70 500 Hz)
Mechanical data   Mounting data	
Net weight	210 g
Installation measurement	75 mm
Height	34,5 mm
Width	50 mm
Length	126 mm
Environmental characteristics   Electron	nagnetic compatibility
Interference emission	IEC 61000-6-4
Immunity to interference	IEC 61000-6-2
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	45 °C
Storage temperature min.	-25 °C
Storage temperature max.	70 °C
Conformity	
CE	2014/30/EU & 2011/65/EU
UKCA	EN IEC 61000-6-2: 2019 Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments (IEC 61000-6-2:2016 EN 61000-6-3: 2007 + A1:2011 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - E
Approvals	
UL	UL61010
Connection type 3	333,010
	lancid.
Connection type 1	Input
Connection type 2	Output V1 V9
Connection type 3 Family construction form	X1-X8 M12
Gender	male
Color contact carrier	black
Coding	A
No. of poles	4
PIN 1	24 V DC
PIN 2	Encoder Out
PIN 3	0 V
PIN 4	Trigger Out
Family construction form	M12
Gender	female
Gender	
Color contact carrier	black

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No. of poles	12
PIN 1	GPIO 2
PIN 2	TXD
PIN 3	RXD
PIN 4	GPIO 1
PIN 5	Encoder In 1
PIN 6	Common In
PIN 7	24 V DC Out
PIN 8	0 V
PIN 9	Common Out
PIN 10	Trigger In 0
PIN 11	Out 0
PIN 12	Out 1
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
Commercial data	
customs tariff number	85389099
GTIN	4048879887359
Packaging unit	1