

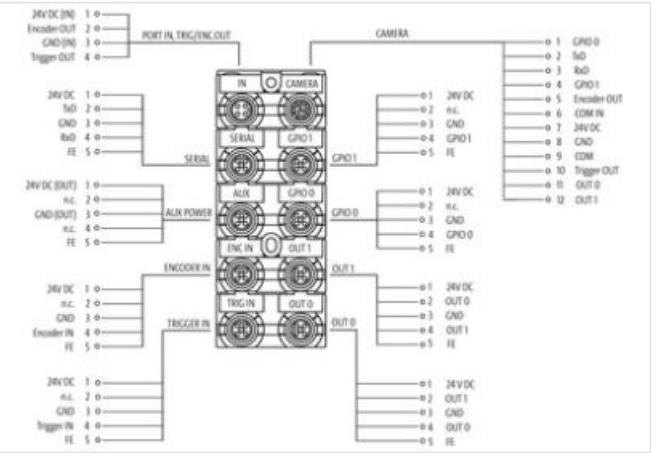
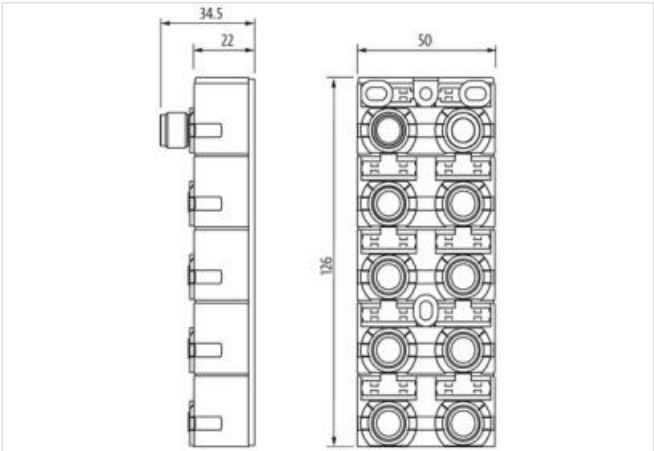
Master Breakout Box NPN

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



Electrical data	
Frequency max. (trigger/encoder)	50 kHz
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V

Operating voltage DC max.	28 V
Nominal current	1500 mA
Open-circuit current	110 mA
<b>Electrical data   Output</b>	
Output current	2000 mA
<b>Device protection   Electrical</b>	
Installation height max. ASL	2000 m
Degree of protection (EN IEC 60529)	IP65, IP67
Invers-polarity protection	yes
Short-circuit protected	yes
<b>Device protection   Mechanical</b>	
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)
<b>Mechanical data   Mounting data</b>	
Net weight	210 g
Installation measurement	75 mm
Height	34,5 mm
Width	50 mm
Length	126 mm
<b>Environmental characteristics   Electromagnetic compatibility</b>	
Interference emission	IEC 61000-6-4
Immunity to interference	IEC 61000-6-2
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	45 °C
Storage temperature min.	-25 °C
Storage temperature max.	70 °C
<b>Conformity</b>	
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
<b>Approvals</b>	
UL	UL61010
<b>Connection type 3</b>	
Connection type 1	Input
Connection type 2	Output
Connection type 3	X1-X8
Family construction form	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
Color contact carrier	black
Coding	A

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
<b>Commercial data</b>	
customs tariff number	85389099
GTIN	4048879887359
Packaging unit	1