



AP023 Electronic pressure sensor G1/4A M5I

Order by 2 pm - Shipping on the same working day

193,34 € offline price ~~204,59 €~~

Incl. 5.5% online discount for online orders

Overview

- For liquid and gaseous media
- -1...1 bar
- 2x programmable normally open/ normally closed
- with IO-Link, 4-digit alphanumeric display and alternating display in red/green
- ceramic-capacitive pressure sensing element

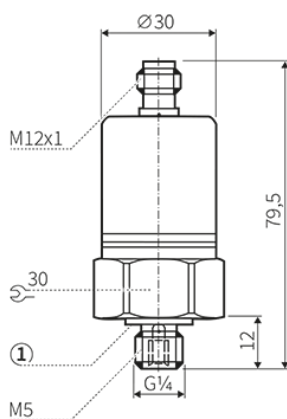
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

We offer 5 years warranty - with money-back guarantee!

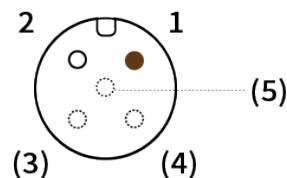
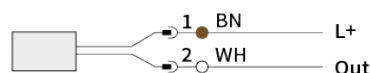
www.autosen.com/AP023

Direct link to the article on autosen.com

Dimensional drawing



Connection & pin assignment



Dimensional drawing legend

1: Sealing

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General information

Range of application	Liquid and gaseous media
Pressure measuring range min.	-1 bar
Pressure measuring range max.	1 bar
Bursting pressure	30 bar
Pressure resistance	10 bar
Process connection	M 5
	External thread
	Internal thread
	G 1/4

Outputs / inputs

Analogue output	4 ... 20 mA
IO-Link	No

Electrical data

Operating voltage	9.6 ... 32 V DC
Voltage type	Direct voltage (DC)
Electrical design	PNP
Protection class	III
Overload-proof	Yes
Reverse polarity protection	Yes

Mechanical data

Materials in contact with the medium	V2A (1.4305)
	FKM
	Al2O3 (ceramic)
Measuring cell material	Al2O3 (ceramic)
Material of housing	Polyamide (PA)
	V4A (1.4404)
	FKM
	EPDM/X
Electrical connection	M12
	2-pin
	Contacts gold-plated

Accuracy

Reproducibility	< ± 0.1%
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Ambient conditions

Ambient temperature min.	-25°C
Ambient temperature max.	80°C
Protection rating	IP65

Additional information

MTTF	506years
Accessories included with delivery	No accessories included
EMC test	DIN EN 61000-4-2 ESD DIN EN 61000-4-3 HF radiated DIN EN 61000-4-4 burst DIN EN 61000-4-6 HF grid-bound
Shock resistance test	DIN EN 60068-2-27 DIN EN 61373
Vibration resistance test	DIN EN 60068-2-6 DIN EN 61373
Approval	CE cULus

Accessories: Process adapter



AA943
Adapter G1/4F G1/2M

Unit price: 30,56 €*

Accessories: Display for analog sensors



AG002
TFT display for sensors

Unit price: 185,07 €*



AG001
Process Display

Unit price: 92,43 €*



AD003
Display for analogue signals

Unit price: 110,36 €*



AN004
Multifunction relay for sensors

Unit price: 152,63 €*

Accessories: Signal converter



AD003
Display for analogue signals

Unit price: 110,36 €*



AN103
Signal conditioner

Unit price: 95,87 €*



AN101
Signal splitter

Unit price: 109,85 €*

Accessories: M12/M12 connection cable | 4-pol. | PUR | IP67



AA209
Connection cable M12/M12 4P
PUR 2m IP67

Unit price: 9,29 €*



AA211
Connection cable M12/M12 4P
PUR 2m IP67

Unit price: 10,71 €*



AA210
Connection cable M12/M12 4P
PUR 5m IP67

Unit price: 12,44 €*



AA212
Connection cable M12/M12 4P
PUR 5m IP67

Unit price: 13,22 €*

Accessories: M12/M12 connection cable | 4-pin | PUR | IP69K



AA205
Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 22,15 €*



AA202
Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 17,28 €*



AA201
Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 14,11 €*

Accessories: M12 sensor cable | 4-pin | PVC | IP67



AA042
Sensor cable M12 4P PVC 10m
IP67

Unit price: 10,97 €*



AA039
Sensor cable M12 4P PVC 10m
IP67

Unit price: 10,58 €*



AA041
Sensor cable M12 4P PVC 5m
IP67

Unit price: 8,22 €*



AA038
Sensor cable M12 4P PVC 5m
IP67

Unit price: 7,80 €*



AA040
Sensor cable M12 4P PVC 2m
IP67

Unit price: 6,00 €*



AA037
Sensor cable M12 4P PVC 2m
IP67

Unit price: 5,97 €*



AA064
Sensor cable M12 4P PVC 2m
IP67

Unit price: 4,52 €*



AA066
Sensor cable M12 4P PVC 2m
IP67

Unit price: 4,83 €*

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**AA065**Sensor cable M12 4P PVC 5m
IP67**Unit price: 6,05 €*** **AA067**Sensor cable M12 4P PVC 5m
IP67**Unit price: 6,43 €*** **Accessories: M12 sensor cable | 4-pin | PUR | IP67****AA052**Sensor cable M12 4P PUR 2m
IP67**Unit price: 6,07 €*** **AA054**Sensor cable M12 4P PUR 2m
IP67**Unit price: 6,45 €*** **AA053**Sensor cable M12 4P PUR 5m
IP67**Unit price: 8,15 €*** **AA055**Sensor cable M12 4P PUR 5m
IP67**Unit price: 8,65 €*** **Accessories: M12 sensor cable | 4-pin | PVC | IP69K****AA025**Sensor cable M12 4P PVC 25m
IP69K**Unit price: 23,59 €*** **AA024**Sensor cable M12 4P PVC 10m
IP69K**Unit price: 15,12 €*** **AA023**Sensor cable M12 4P PVC 5m
IP69K**Unit price: 12,31 €*** **AA031**Sensor cable M12 4P PVC 2m
IP69K**Unit price: 12,04 €*** **Accessories: M12 sensor cable | 4-pin | PUR | IP69K****AA017**Sensor cable M12 4P PUR 10m
IP69K**Unit price: 13,44 €*** **AA006**Sensor cable M12 4P PUR 5m
IP69K**Unit price: 10,92 €*** **AA005**Sensor cable M12 4P PUR 2m
IP69K**Unit price: 9,36 €*** **Accessories: M12 connector | 4-pin | plug****AA946**

Wireable connector angled M12

Unit price: 7,01 €* **AA921**

Wireable connector M12

Unit price: 7,01 €* **AA961**Wireable connector angled M12
IP69k**Unit price: 15,00 €*** **AA959**Wireable connector straight M12
IP69k**Unit price: 15,00 €*** **Accessories: M12 connector | 4-pin | socket****AA947**

Wireable socket angled M12

Unit price: 6,91 €* **AA939**

Wireable socket M12

Unit price: 6,91 €* **AA962**

Wireable socket angled M12 IP69k

Unit price: 15,00 €* **AA960**Wireable socket straight M12
IP69k**Unit price: 15,00 €*** **Accessories: Y-distributor****AA046**

Y-splitter cable M12/2xM12

Unit price: 18,67 €* **AA922**

Y distributor M12/2xM12

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