

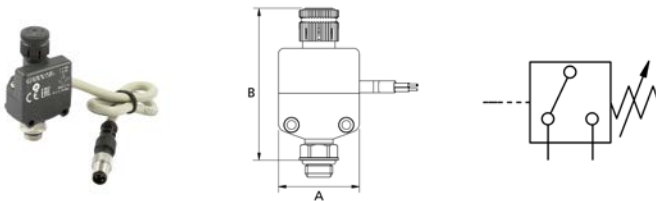
Druckschalter

Wechselkontaktausführung

PLUS ||

Artikel Nr. 180396

Typen Nr. 9000402



Beispielhafte Darstellung

Dieser Druckschalter besitzt einen hohen Grad der Miniaturisierung und ein modernes Design. Er kann in jeder beliebigen Position montiert werden und hat zwei Querlöcher für eine Wandbefestigung. Um Verdrahtungsaufwand zu sparen, ist er bereits mit einem 2 m langen festen Kabel oder einem M8-Stecker an 300 mm Kabel ausgerüstet. Im Druckschalter ist ein Wechselkontakt verbaut. Die Druckeinstellung erfolgt über einen gerändelten Rastknopf.

ATEX-Ausführung auf Anfrage!

Technische Informationen

Funktion	Wechselkontakt
Gewinde	G 1/8
Elektrischer Anschluss	M8-Stecker an 300 mm Kabel
Eingangsdruck max.	15 bar
Einstellbereich	0,5 - 10 bar
Medium	gefilterte Druckluft mit oder ohne Ölung. Wenn geölt, dann kontinuierlich.
Temperaturbereich	-10 bis 50 °C
Schaltspannung	max. 250 V
max. Belastung	2 A
Hysterese min. (nicht einstellbar)	0,4 bar
Hysterese max. (nicht einstellbar)	0,8 bar
Gehäuse	Technopolymer
Dichtmaterial	NBR
Schutzart	IP 65
Einbaulage	beliebig
Befestigungsart	2 Durchgangslöcher
A	29,0 mm
B	54,0 mm

Der angegebene Temperaturbereich gilt bei einem Druck von 10 bar, 1 MPa bzw. 145 psi.

Kaufmännische Daten

Zolltarifnummer	90262080
Ursprungsland	IT
eCl@ss 5.1.4	27371814
eCl@ss 9.0	27371814
UNSPSC_Code_v190501	39122210
UNSPSC_CodeDesc_v190501	Pressure switch

PRESSURE SWITCHES

This type of pressure switch features a high degree of miniaturisation and a modern attractive design.
It can be installed in any position and also mounted onto a wall by means of two transversal holes.
In order to reduce wiring times, it is supplied ready assembled with a 2-metre electric cable or an M8 connector with a 300-mm cable.
The contact is the switching type, which means it can be normally open or normally closed.
A knurled push-lock handle is provided for regulation

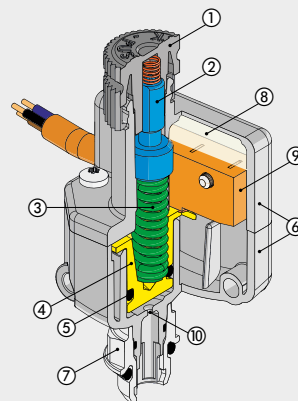


TECHNICAL DATA

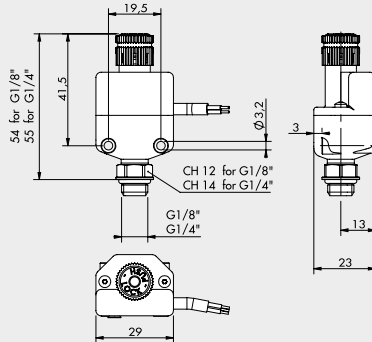
Adjustable pressure interval	bar	0.5 to 10
Hysteresis (not adjustable)	bar	from 0.4 to 0.8 (See diagram)
Maximum pressure	bar	15
	MPa	1.5
	psi	217
Operating temperature range at: 1 MPa; 10 bar; 145 psi	°C	50
	°F	122
Lower threaded port		G 1/8" - G 1/4"
Maximum current	A	2
Maximum voltage	V	250
Outside diameter of cable	mm	4.9
Number of wires and cross section		3 x 0.5 mm ²
Contacts		Normally-Open (NO) and Normally-Closed (NC)
Protection		IP65
Number of switchings		5 x 10 ⁶
Fluid		Filtered lubricated or unlubricated compressed air. Lubrication, if used, must be continuous
Mounting position		In any position.
Weight	g	With cable 2 m: 12 With M8 connector: 35

COMPONENTS

- ① Technopolymer adjusting push-lock handle
- ② Brass adjusting screw
- ③ Steel piston spring
- ④ Brass piston
- ⑤ NBR gaskets
- ⑥ Technopolymer bodies
- ⑦ Rotary connection in nickel-plated brass
- ⑧ Resin finish for IP65
- ⑨ Electrical contact
- ⑩ Choke to reduce peaks in pressure



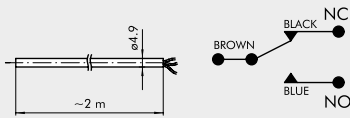
DIMENSIONS AND ORDERING CODES



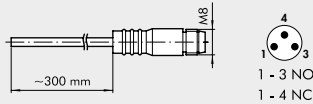
Code	Description
9000401	1/8 2A NO/NC pressure switch, 2-metre cable
9000402	1/8 2A NO/NC pressure switch, M8 connector
9000405	1/4 2A NO/NC pressure switch, 2-metre cable
9000406	1/4 2A NO/NC pressure switch, M8 connector

WIRING DIAGRAM

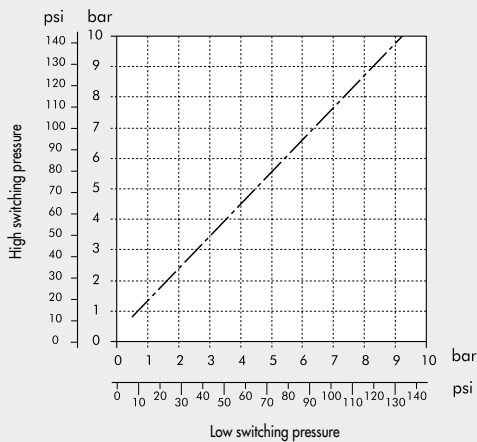
VERSION WITH CABLE



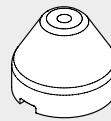
VERSION WITH M8 CONNECTOR



HYSTERESIS GRAPH



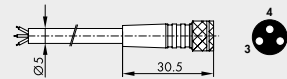
SECURITY KNOB



Code	Description
9200703	Security knob APR / pressure switch

Note: Pull outwards to remove the knob from the pressure switch on the unit.
Insert the security knob and regulate the pressure switch.
Then press the handle firmly to lock it in position. If the pressure switch needs to be reset, remove the security knob by forcing it laterally with a screwdriver.

M8 STRAIGHT CONNECTOR WITH CABLE

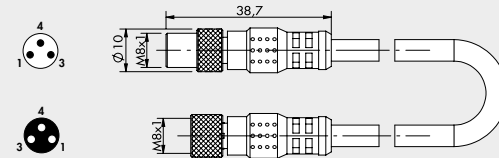


Pin	Cable color
1	Brown
3	Blue
4	Black

Code	Description
02400A0100	M8 female 3 PIN HIGH FLEX CL6 connector with cable L = 1 m
02400A0250	M8 female 3 PIN HIGH FLEX CL6 connector with cable L = 2.5 m
02400A0500	M8 female 3 PIN HIGH FLEX CL6 connector with cable L = 5 m
02400A1000	M8 female 3 PIN HIGH FLEX CL6 connector with cable L = 10 m

Very flexible cables, class 6 according to IEC 60228

M8 ADAPTER CABLE FOR CONNECTION TO THE EB 80 E CM DIGITAL INPUTS MODULE



Code	Description
0240010501	M8-M, M8-F 3-pole adapter with cable L = 0.3 m

Note: Can be used to connect the pressure switch to the module of digital INPUT S01 of the EB 80 valves, to the additional M8 INPUT module of the CM valves and to the Profibus-DP IP67 M8 input. Contact type NO (Normally open)

M8F	M8M	Function
pin 1	pin 1	Power supply +
pin 3	pin 4	Signal NO
pin 4	pin 3	Disconnect

UNITS

PRESSURE SWITCHES

Zubehör

	Artikel Nr.	Typen Nr.
Verstellschutzkappe für Druckschalter und Softstartventile	145559	9200703
M8-Steckdose, 3-polig, 1 m Kabel, High Flex Klasse 6 nach IEC 60228	145497	02400A0100
M8-Steckdose, 3-polig, 2,5 m Kabel, High Flex Klasse 6 nach IEC 60228	145498	02400A0250
M8-Steckdose, 3-polig, 5 m Kabel, High Flex Klasse 6 nach IEC 60228	145499	02400A0500
M8-Steckdose, 3-polig, 10 m Kabel, High Flex Klasse 6 nach IEC 60228	145500	02400A1000
Adapterkabel für Druckschalter, M8 Stecker gerade / M8 Buchse gerade, 3-polig, Länge 0,3 m	153725	0240010501