

Pressure Switch for neutral gases and liquids



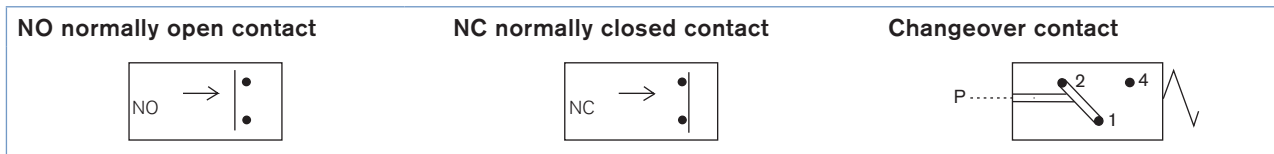
- For neutral gases and liquids
- Models normally open contact, normally closed contact or changeover contact
- Switching point can be adjusted with grub screw

The pressure switch is used to convert adjustable pneumatic signals into electrical signals.

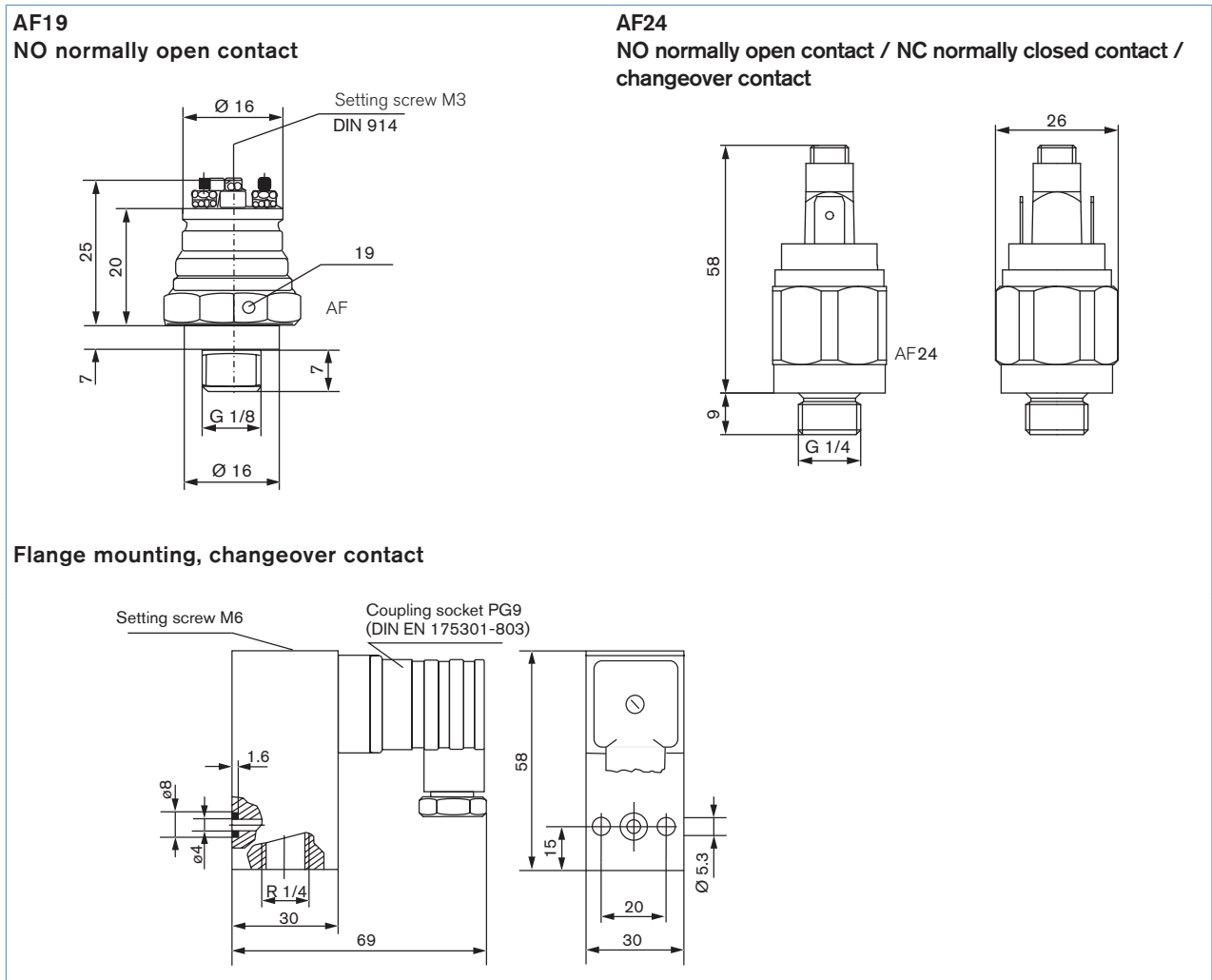
Technical data - NO normally open contact, AF19				
Material	Brass			
Switching function	Normally open contact			
Setting range	1–10 bar			
Bursting pressure	20 bar			
Medium	Air			
Medium temperature	-25 to +85 °C			
Diaphragm	NBR, other on request			
Switch-back difference	10 to 15 %			
Switching frequency	max. 200/min.			
Mechanical life	10 ⁶			
Reference voltage	max. 42 V			
Maximum load	max. 2 A			
Protection class	IP 00 (IP 20, with protection cap)			
Technical data - NO normally open contact / NC normally closed contact / changeover contact, AF24				
Material	Galvanised steel, stainless steel, brass			
Switching function	Normally open contact, normally closed contact or changeover contact			
Setting range	0.5...2 bar	1...10 bar	10...70 bar	50...200 bar
Bursting pressure	10 bar	20 bar	120 bar	300 bar
Design	Spring-loaded diaphragm		Spring-loaded piston	
Diaphragm ¹⁾ or seal ²⁾	NBR ¹⁾		UR ²⁾	
Medium	Air, hydraulic oil, oil emulsion, water			
Medium temperature	-25 to +85 °C			
Switch-back difference	15 to 25 %			
Switching frequency	max. 200/min.			
Mechanical life	10 ⁶			
Reference voltage	max. 42 V			
Maximum load	max. 2 A			
Protection class	IP 00 (IP 20, with protection cap)			

Technical data - Changeover contact, flange mounting				
Material	Galvanised steel, stainless steel, brass			
Switching function	Changeover contact			
Setting range	0.3–2 bar	1–10 bar	1–70 bar	50–200 bar
Bursting pressure	20 bar	20 bar	250 bar	300 bar
Design	Spring-loaded diaphragm		Spring-loaded piston	
Diaphragm ¹⁾ or seal ²⁾	NBR ¹⁾		UR ²⁾	
Medium	Air, hydraulic oil, oil emulsion, water			
Medium temperature	-25 to +85 °C			
Switch-back difference	15 to 25 %			
Switching frequency	max. 200/min.			
Mechanical life	10 ⁶			
Reference voltage	max. 150 V			
Protection class	IP65 cable plug type 250			

Function



Dimensions [mm]



Ordering chart pressure switch

Size	Version	Setting range	Item no.
AF19	NO - normally open contact	1...10 bar	780 494
AF24	NO - normally open contact	0.5...2 bar	772 503
		1...10 bar	780 496
		10...70 bar	787 283
		50...200 bar	787 284
	NC - normally closed contact	0.5...2 bar	772 500
		1...10 bar	780 495
		10...70 bar	787 286
		50...200 bar	787 287
	Changeover contact	0.5...2 bar	772 506
		1...10 bar	772 515
		10...70 bar	772 524
		50...200 bar	772 536
Flange mounting	Changeover contact	0.3...2 bar	784 230
		1...10 bar	780 499
		10...70 bar	787 289
		50...200 bar	787 290

Others versions on request

Ordering chart accessories for pressure switch

Version	Item no.
Protection cap for AF19 switch	780 498
Protection cap for AF24 switch	780 497
Cable plug Type 2508 for flange mounting switch	008 526

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In case of special application conditions,
please consult for advice.

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