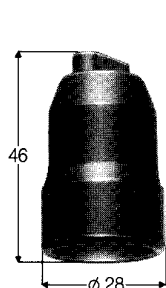


Diaphragm pressure switch with zinc plated steel body
up to 300 bar over-pressure

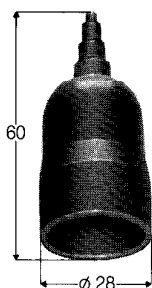
0166

up to 600 bar over-pressure

0163

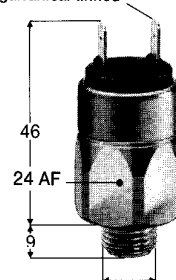


Protective cap
with dual cable duct
for 1.7 - 2.2 mm
diameter cable.
Part No.
11 66 621 003



Protective cap
with central cable duct
for 1.5 - 5 mm
diameter cable.
Part No.
11 66 621 010

Brass terminals AMP 6,3 x 0,8
galvanical tinned



Technical data



Duty:	100 VA
Protection:	IP 65, terminals IP 00
Maximum operation:	200/min.
Temperature range:	- 30°C to + 120°C (according to diaphragm material)
Maximum voltage:	42 V
Mechanical life:	10 ⁶ operations
Body material:	zinc plated steel (Fe/Zn 12 cC)

Diaphragm material

1 NBR	Hydraulic-oil, engine-oil, heating-oil, turpentine, air.
2 EPDM	Water, hydrogen, seawater, acetylene, ozone, oxygen, brakefluid.
3 FKM	Hydraulic-fluid i.e. (HFA, HFB, HFC, HFD), gasoline

Insert number of selected diaphragm material.

With push-on terminals

Normally open contacts				Normally closed contacts				Thread type	Adjustment range in bar	Tolerance in bar at room temp.	Up to 300/600 bar over-pressure *
403	01		009	404	01		013	M 10×1 T	0,1-1	± 0,2	
403	02		010	404	02		014	M 12×1,5			
403	03		011	404	03		015 ?	¼" BSP			
403	04		012	404	04		016	⅛" NPT			
407	01		025	408	01		029	M 10×1 T	1-10	± 0,5	
407	02		026	408	02		030	M 12×1,5			
407	03		027	408	03		031 ?	¼" BSP			
407	04		028	408	04		032	⅛" NPT			
411	01		041	412	01		045	M 10×1 T	10-20	± 1,0	
411	02		042	412	02		046	M 12×1,5			
411	03		043	412	03		047 ?	¼" BSP			
411	04		044	412	04		048	⅛" NPT			
415	01		057	416	01		061	M 10×1 T	20-50	± 2,0	
415	02		058	416	02		062	M 12×1,5			
415	03		059	416	03		063 ?	¼" BSP			
415	04		060	416	04		064	⅛" NPT			

0	1	6	6								
0	1	6	3								

When using oxygen, the relating accident prevention regulations are to be observed. Above that we recommend not to exceed a maximum operational pressure of 10 bar.

* Statistical overpressure safety. The dynamic rating of the overpressure safety is smaller than 30 to 50 %. The overpressure safety corresponds to the hydraulic, pneumatic part of the pressure switch.