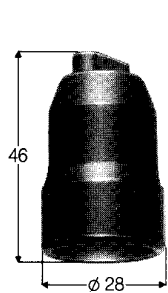


**Diaphragm pressure switch with zinc plated steel body
up to 300 bar over-pressure**

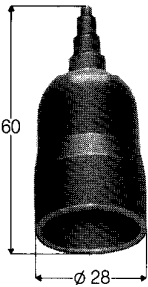
0166

up to 600 bar over-pressure

0163

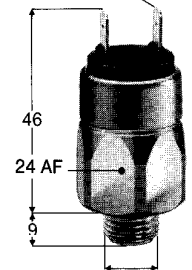


Protective cap
with dual cable duct
for 1.7 – 2.2 mm
diameter cable.
Part No.
11 66 621 003



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 ?	1/4" BSP			
403 04	012	404 04	016	1/8" 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 ?	1/4" BSP			
407 04	028	408 04	032	1/8" 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 ?	1/4" BSP			
411 04	044	412 04	048	1/8" 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 ?	1/4" BSP			
415 04	060	416 04	064	1/8" NPT			

0 1 6 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0 1 6 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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.