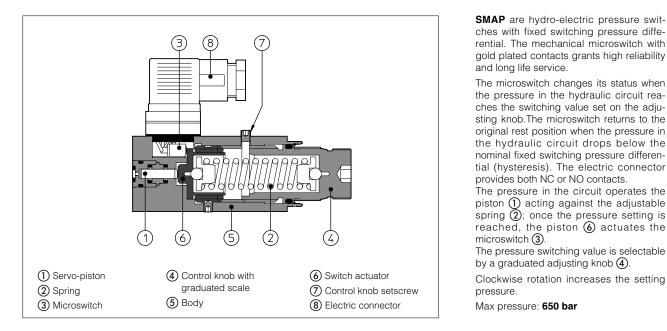
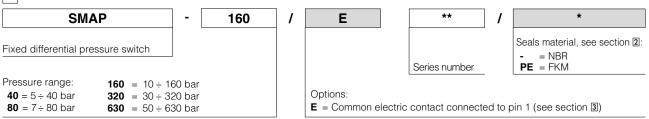


# Pressure switches type SMAP

with fixed switching pressure differential and microswitch with gold plated contacts



## 1 MODEL CODE



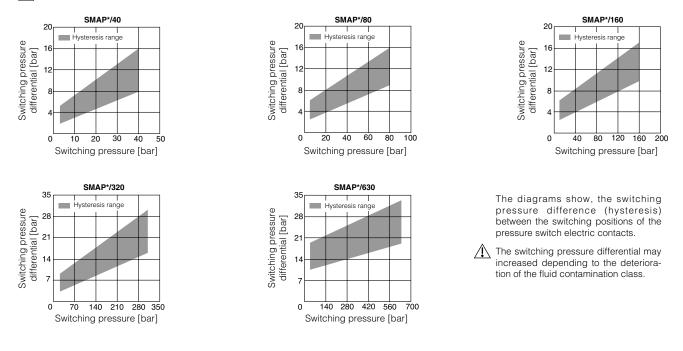
## 2 MAIN CHARACTERISTICS, SEALS AND HYDRAULIC FLUID - for other fluids not included in below table, consult our technical office

Assembly position / location	Any position							
Subplate surface finishing	Roughness index Ra 0,4 - flatness ratio 0,01/100 (ISO 1101)							
Ambient temperature	Standard execution = -30°C ÷ +70°C /PE option = -20°C ÷ +70°C							
Seals, recommended fluid temperature	NBR seals (standard) = $-20^{\circ}C \div +80^{\circ}C$ , with HFC hydraulic fluids = $-20^{\circ}C \div +50^{\circ}C$ FKM seals (/PE option)= $-20^{\circ}C \div +80^{\circ}C$							
Recommended viscosity	15÷100 mm²/s - max allowed range 2.8 ÷ 500 mm²/s							
Max fluid contamination level	ISO4406 class 20/18/15 NAS1638 class 9, see also filter section at www.atos.com or KTF catalog							
Hydraulic fluid	Suitable seals type	Classification	Ref. Standard					
Mineral oils	NBR, FKM	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524					
Flame resistant without water	FKM	HFDU, HFDR	ISO 12922					
Flame resistant with water	NBR	HFC						

#### 3 CHARACTERISTICS AND WIRING OF INTERNAL MICROSWITCH

		Supply voltage [V]					Rest position	Pressure operated position
		125 AC	250 AC	30 DC	250 DC			
Max current resistive load	[A]	7	5	5	0,2	STD		
Max current inductive load (Cos $\varphi = 0,4$ )	[A]	4	2	3	0,02			
Insulating resistance		≥100MΩ					2	2
Contact resistance		15 mΩ				/E		
Electrical life-expectancy		≥1.000.000 switchings						
Mechanical life-expectancy		≥10.000.000	switchings					





### 5 DIMENSIONS OF SMAP WITHOUT ADAPTORS [mm]

