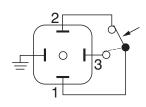


HA 9204

Technical D	ata				
Pressure value setting range after closing		bar (PSI)	10160 (145 2321)	20 250 (290 3626)	30 320 (435 4641
Working fluid maximum pressure bar (PSI)		bar (PSI)	350 (5076)		
Connecting dimensions			see Ordering Code		
Hydraulic fluid			Hydraulic oils of power classes (HL, HLP) to DIN 51524		
Maximum degree of fluid contamination			Class 21/18/15 according to ISO 4406		
Fluid temperature range		°C (°F)	+80 (176)		
Ambient temperature		°C (°F)	-10+ 80 (14176)		
Working fluid viscosity ra	ange	mm ² /s	20 to 100 (allowable range 12 to 500)		
Frequency of switching maximum		min ⁻¹	100		
Repeatability values at closing %		%	\pm 0,2 % of the measurement range		
Hysteresis after contacts' opening			see Characteristics		
Body material			Die-cast alloy Zn		
Sealing material			PTFE dynamic / NBR static		
Vibration resistance				10 g (10 2000 Hz)	
Shock resistance			30 g (0.066 lbs)		
Electrical connection			Connector EN 175301-803-A (not included in supply)		
Power supply:	category AC 12 category AC 14 category DC 12 category DC 14	VDE 0660 VDE 0660	4 A / 250 VAC 1 A / 250 VAC 3 A / 28 VDC 4 A / 28 VDC		
Enclosure type to EN 60 529			IP 65		
Service life			> 6 mil. switchings		
Mounting position			unrestricted		
Weight	kg (lb)		0,325 (0.716)		

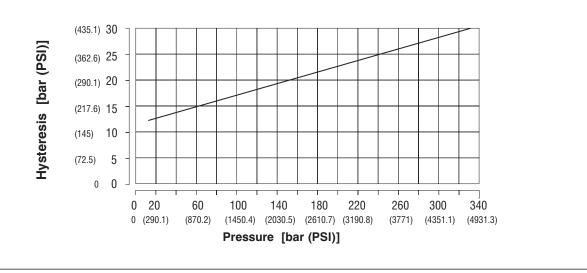
Electrical connection



Switching functions:

with the growing pressure the changeover switch opens the circuit of 1 - 2 terminals and closes the circuit of 1 - 3 terminals

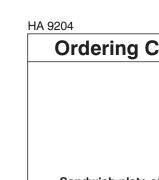
Hysteresis after contacts' opening

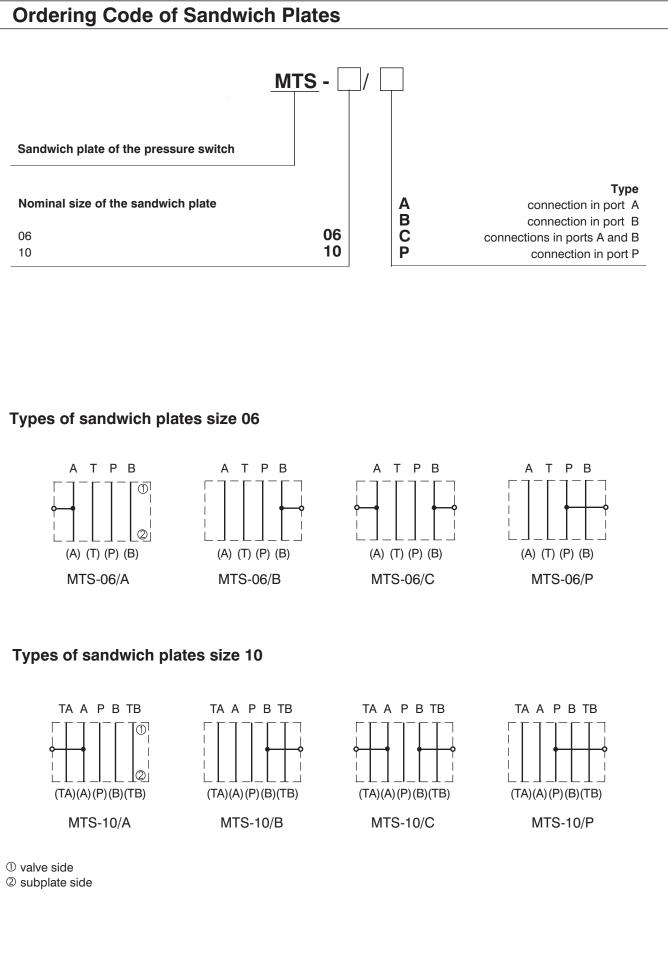


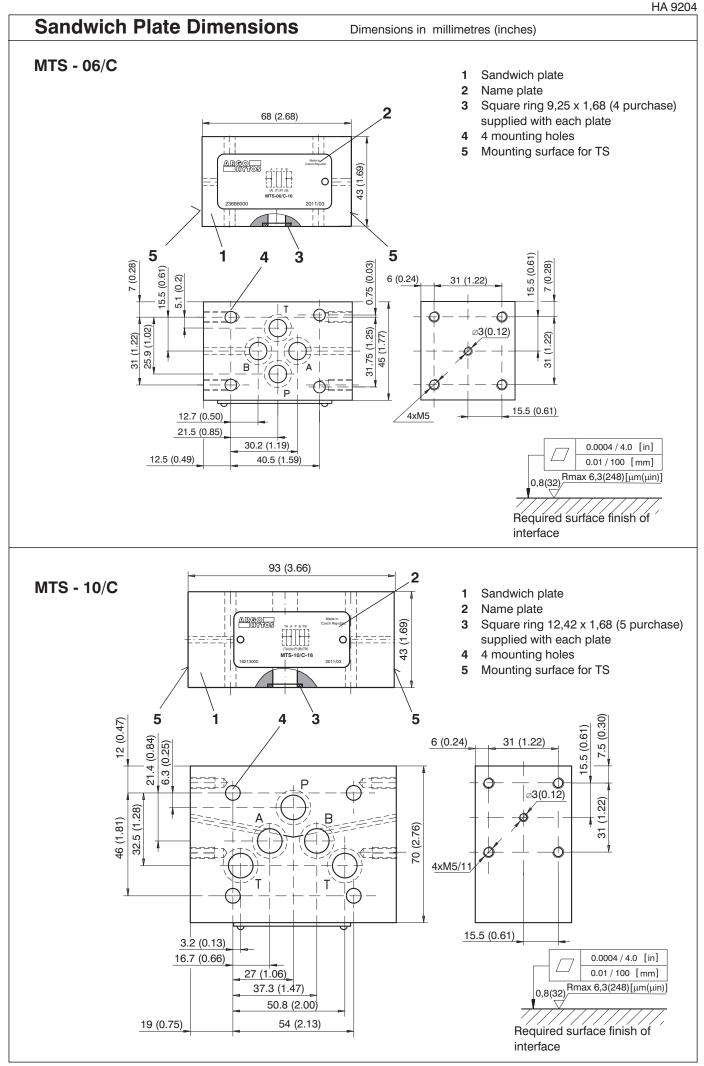
Pressure Switch Dimensions

Dimensions millimetres (inches)

Type TS4-xx-0 (with flange DIN ISO 16 873) c $\overset{3x \varnothing 5,3}{(3x \varnothing 0,21)}$ **Q** () □ 40(1.57) Ø30(1.18) 31(1.22) 20,4(0.80) ۲ (@ \bigcirc ⊕ ~86(3.39) 20,4(1.89) 2 31(1.22) \bigcirc \bigcirc 1] ⊕ 3xM5 3 ۲ 0 ⁴9(0.35) 45(1.77) Type TS4-xx-1 0 Φ <u>G1/4</u> $\otimes 30$ ⊕] 30 $(\mathbf{\Phi})$ 0 \odot 41 43 ~93 4 1 O-ring 5 x 1,5 - supplied witch each switch 2 3 pcs. mounting bolts M5x18 (tightening torque 5 Nm(1.124lbf)) 3 Adjustment element - hand knob 4 Internal thread connection - G1/4







Accessories						
nectors EN 175	PG 9					
Туре						
Connector	Standard	Ordering Number 28787900	~48(1.89)			
	Standard	20101900				
Caution						
 The technical 		ct presented in this catalogue is for de ranteed representation of the product				
	r.o. CZ - 543 15 Vrchlabí 03111, Fax: +420-499-403421					

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