

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SYSTEMS**

UKŁADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

# Pressure Switches for all applications

## DS - 507 / DS - 502



## How to order DS-507 etc.

100% compatible (electrically and hydraulically) to DS-307/DS-302

DS-507 / / - / /

Standard DS-507, DS-502

additional notes (indicated by bar)

F = flange mounting  
V2 = scale and knurled knob  
SCH = panel mounting  
\*\*AS-H2 = with lock E 10 H2  
  
\*\*SS = special sealing (low friction)  
only for following pressure ranges:  
5 - 55 bar 10 - 100 bar  
40 - 240 bar 20 - 350 bar

P 90 = 90° - subplate (p max. = 350 bar)  
PO = lead seal (not for version with scale)  
L-MP 24 = 4-pole appliance inlet 24 V-DC  
L-MP 220 = 4-pole appliance inlet 220 V-AC  
LED-34 = plug with indicating function DIN 43650  
M12 = electrical connector M 12 x 1  
AUX = contact gold on silver palladium  
S = Viton®/fluoroelastomers

Pressure set at factory:  
standard pressure increasing,  
on request decreasing

pressure ranges :	pmax. standard	pmax. special- sealing SS
55 = 5- 55 bar	300 bar	200 bar
100 = 10-100 bar	400 bar	200 bar
150 = 20-150 bar	500 bar	
240 = 40-240 bar	500 bar	400 bar
350 = 20-350 bar	500 bar	400 bar

\*\* no stock delivery!

Viton® is a registered trademark of DuPont Performance Elastomers.

## Pressure Switch, Characteristics

DS-507/DS-502		piston diameter mm			
		ø 4	ø 5	ø 6	
1. General					
Design	spring-loaded piston, because of mechanical turn is no longer possible to get the spring screwed on "block"				
Connection	thread G ¼ female or subplate, pitch circle ø 44 mm				
Adjustment	adjustable screw top or knurled knob				
Safety	locking screw or lock (E 10 H2 [Type AS])				
Mounting position	variable				
2. Hydraulic data					
Switching pressure range	20-350 bar	40-240 bar	20-150 bar	10-100 bar	5-55 bar
Switching accuracy	variations of less than 1%				
Ambient temperature	- 40 °C up to + 90 °C				
Fluid	oil, oil-in-water-emulsion				
3. Electric data					
Switch	mechanical double-throw switch > 10 Mio. circuits silver profile contact (Ag 999) ; on request (AUX) : gold on silver palladium profile contact				
Current	AC - DC current				
Protection according to DIN 40050	IP 65				
Electrical connection	appliance inlet according to DIN 43650 (PG 9, on request PG 11 without additional price) / on request M 12 x 1				
4. Features					
Housing	Aluminium				
Switching travel	~ 0,5 mm - reducing wear of seal and ram to a minimum				
Subplates	valve mounting NG 6 and NG 10 (only for subplate connection Type DS-507/F and DS-502/F)				
Rights of alteration reserved in sense of technical development ! In order to retain service-life over a long period vibrations, oscillations and high switching currents resp. inductive loads should - as far as possible - be avoided.					

