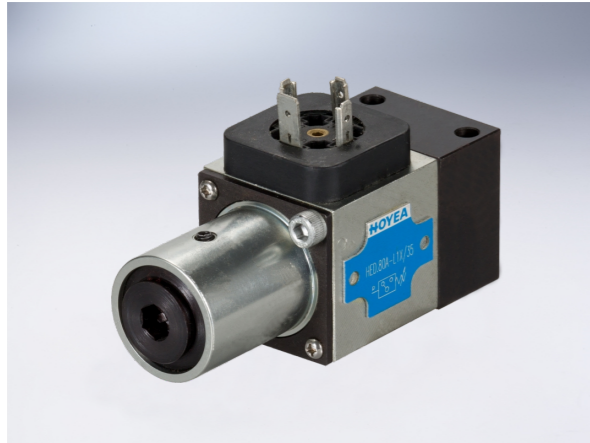


# Piston-type Pressure Switch

## Technical specification

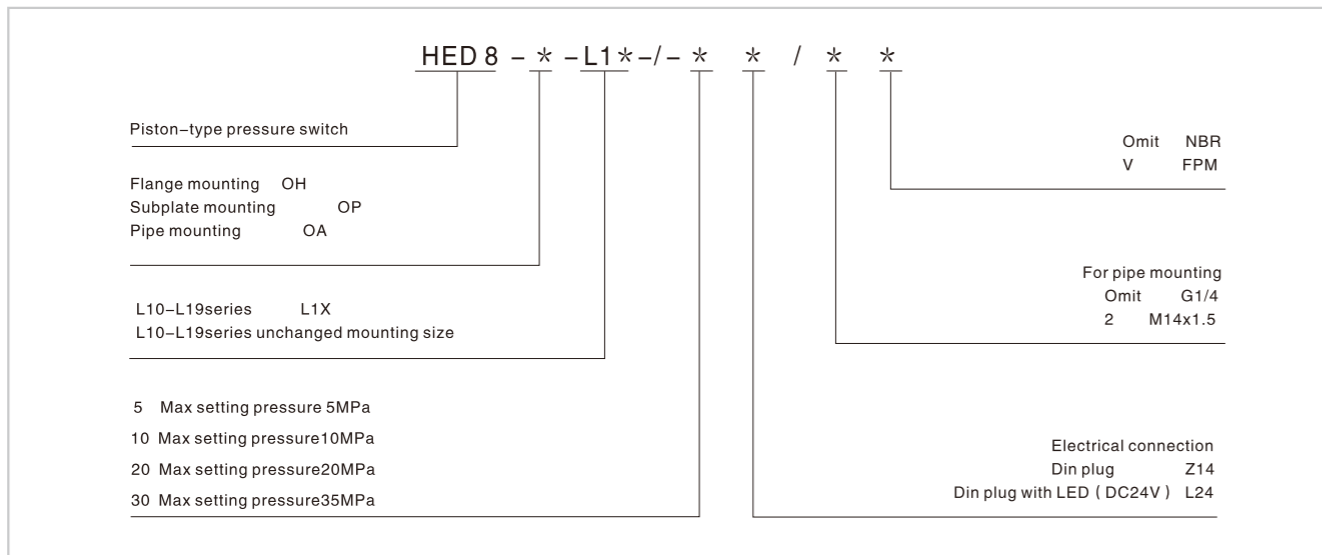


The hydro-electric pressure switch type HED 8 is a piston type pressure switch. It basically comprises of housing, installation kit with piston, compression spring, adjustment element and micro switch. If the pressure to be monitored is below the set pressure, the micro switch is operated. The pressure to be monitored is applied via the nozzle at the piston. The piston is supported by the spring plate and acts against the continuously adjustable force of the compression spring. The spring plate transmits the movement of the piston onto the micro switch and releases the latter when the set pressure is reached. This switches the electric circuit on or off, depending on the circuit set-up. The mechanical positive stop of the spring plate protects the micro switch in case of a sudden pressure drop from mechanical destruction and, in case of over-pressure, prevents solid compression of the compression spring.

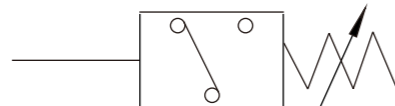
Model		HED 8	
		Max working pressure	Pressure setting range (Mpa)
Pressure range ( Mpa ) (Max setting pressure)	5	35	0.2-5
	10	35	0.4-10
	20	35	0.5-20
	35	50	0.8-35
working fluid		Mineral oil according to standard Din 51524 (HL, HLP)	
Fluid temp (°C)		-20~+80 (recommended +40~+50)	
Fluid viscosity (mm <sup>2</sup> /s)		20-380 (recommended 30-46)	
Cleanliness		According to NAS1638 class9, recommended filter fineness ( 20 ≤ S ≤ 50 )	
Switching accuracy (repetition accuracy) <±1% of the set pressure			
Max switching frequency (1/h)		4800	
Electrical connection		Din 43650, type A, 3-pole + PE	
Max connection cross sectional area mm <sup>2</sup>		0.5	
Max contact loading	-AC	250V; 5A	
	-DC	50V/1A; 125V/0.03A; 250V/0.02A	
protection class as per Din 40050		IP65	

(For applications outside these parameters, please consult us!)

## Ordering code

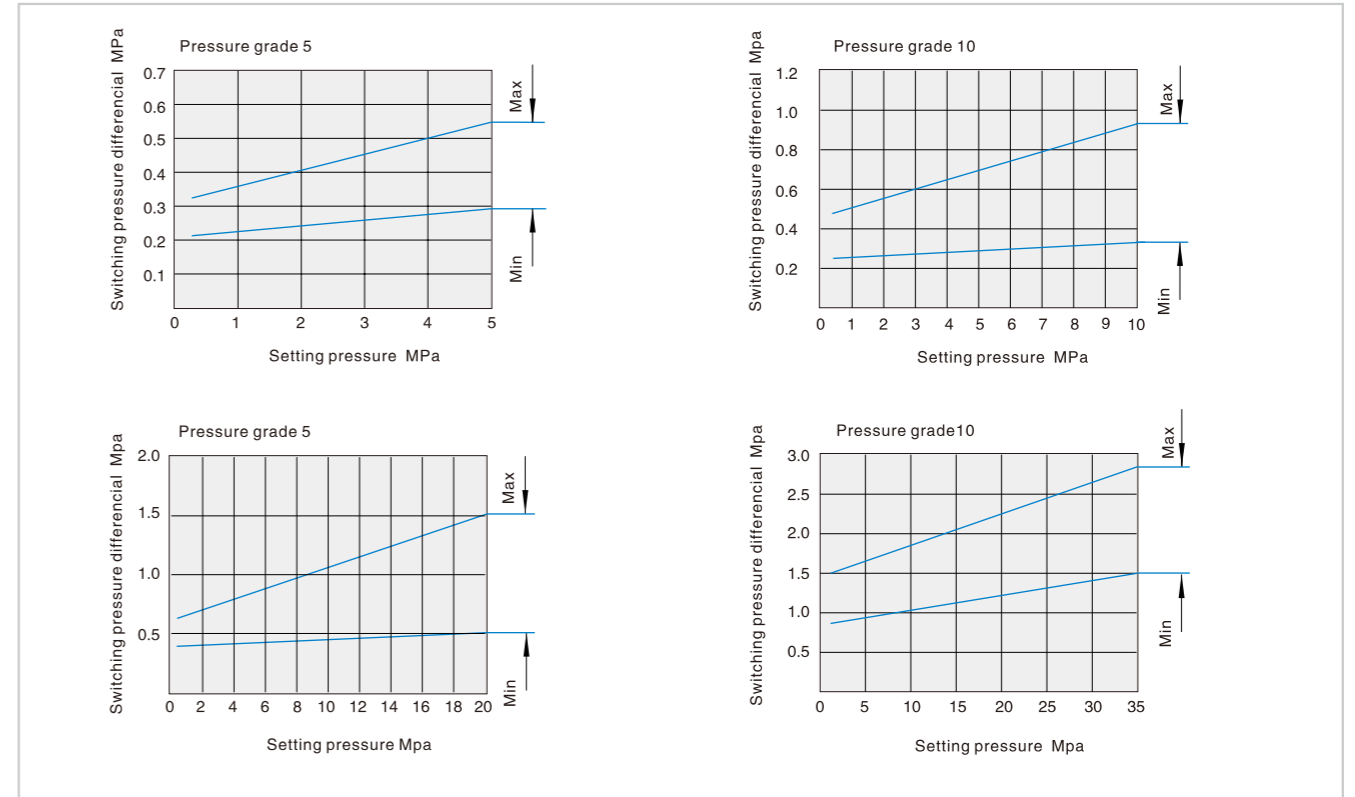


## Code symbol

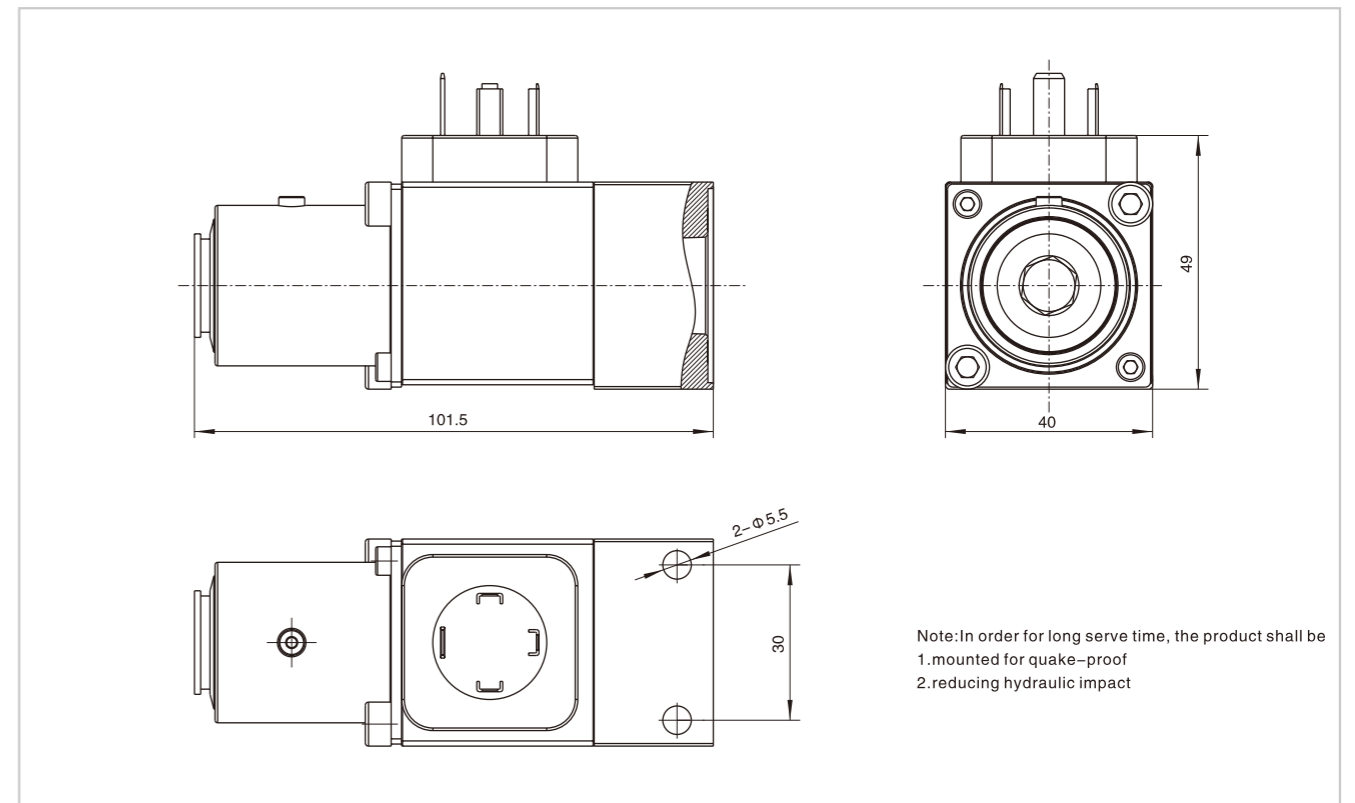


# Piston-type Pressure Switch

## Performance curve



## Dimension ( HED 8 OA L1X/ pipe type )



Note: In order for long serve time, the product shall be  
1. mounted for quake-proof  
2. reducing hydraulic impact