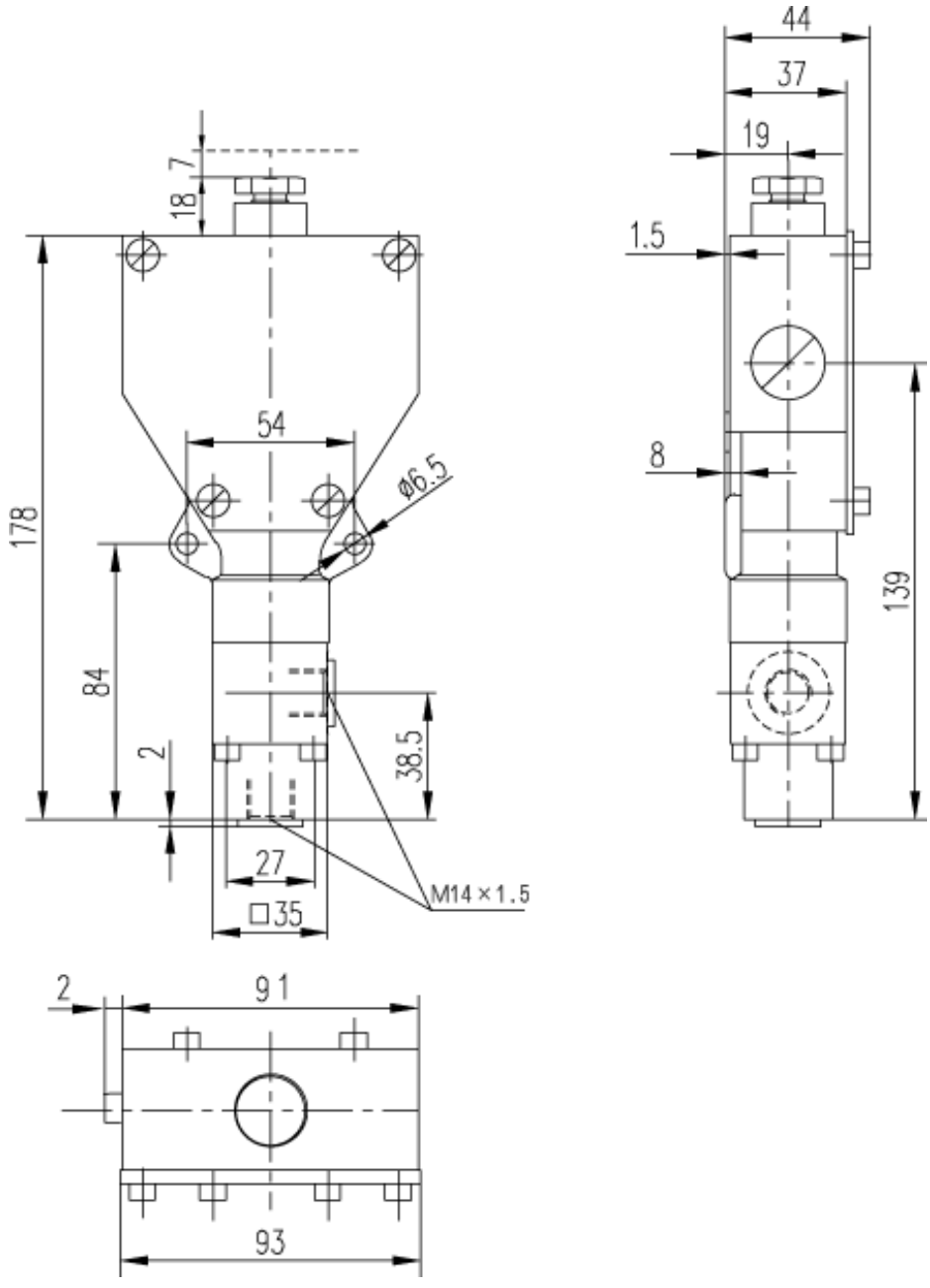
Hydro-electric pressure switches type HED 1 are piston pressure switches.
Type HED 1 pressure switches have the task of switching on or off an electrical circuit dependent on pressure.The live electrical terminals are covered by an isolating strip.

Adjustment of the switching pressure

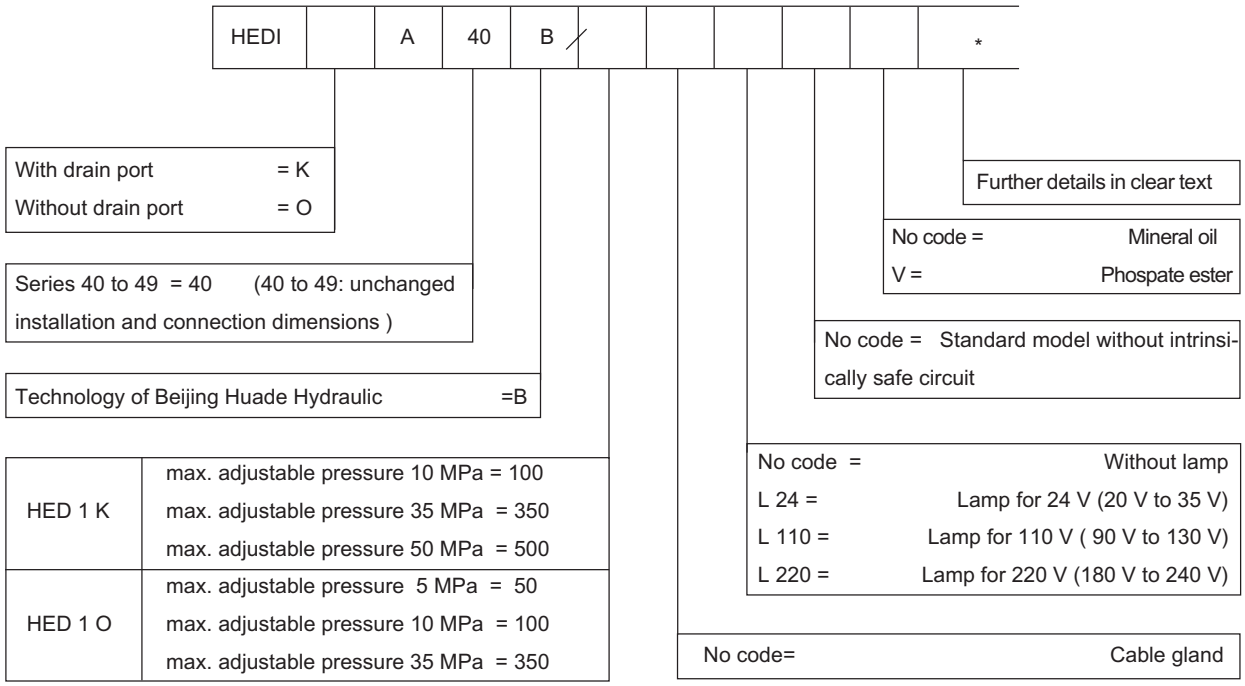
To adjust the switching pressure, the name plate must first be removed and the locking screw loosened.The switching pressure is set by rotating the adjustment screw. Finally, the adjustment screw must be secured by the locking screw and the name plate refitted.



illuminate



Ordering code



Technical data (for applications outside these parameters, please consult us!)

Pressure fluid		Mineral oil or Phospate ester
temperature range	(℃)	-30 to +80
Viscosity range	(mm^2/s)	10 to 800
Switching accuracy (repeatability)		＜± 2 % of set pressure
Switching frequency	HED1KA40B/..	up to 300 cycles/min
	HED10A40B/..	up to 50 cycles/min(briefly also... 100cycles/min)
Pressure at drain port	(MPa)	up to 2
Settable ranges for HED 1 KA 40B/..	(MPa)	

Pressure rating	Max. operating pressure briefly	Recovering pressure min.	Recovering pressure max.	Action pressure min.	Action pressure max.
10	60	0.3	9.2	0.6	10
35	60	0.6	32.5	1.0	35
50	60	1.0	46.5	2.0	50

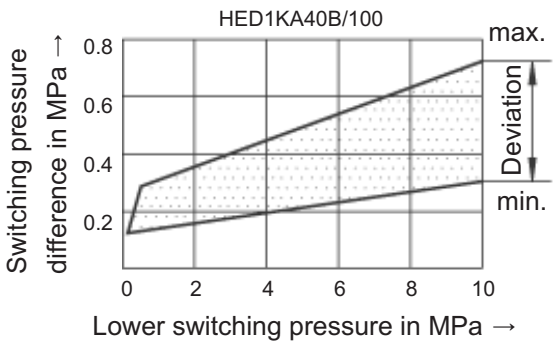
Settable ranges for HED10A40B/..

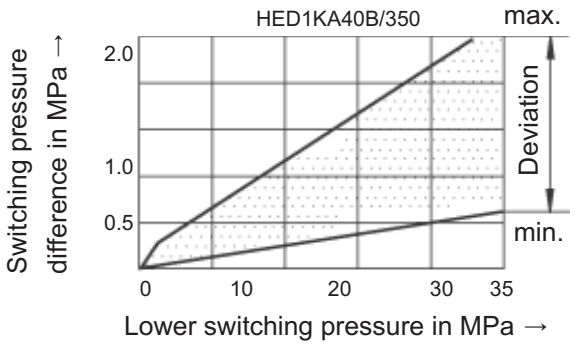
Pressure rating	Max. operating pressure briefly	Recovering pressure min.	Recovering pressure max.	Action pressure min.	Action pressure max.
5	8	0.2	4.5	0.35	5
10	35	0.3	8.2	0.8	10
35	35	0.6	29.5	2.0	35

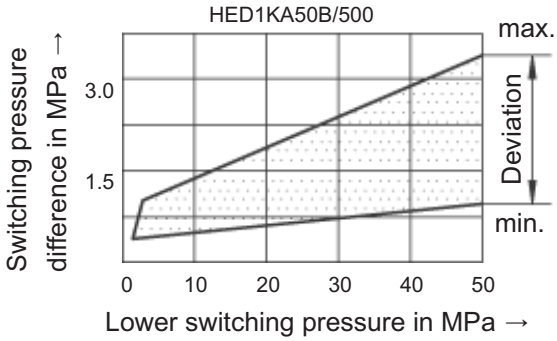
Electrical connection		cable gland
Contact loading	- AC voltage	460V；15A
	- DC voltage	40V；1.0A / 125V；0.4A / 250V；0.2A
Insulation to DIN 40 050		
Weight	(kg)	1.2

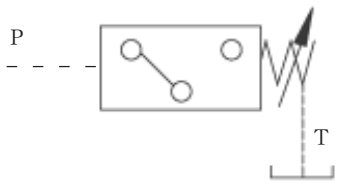
Switching pressure difference - pressure switches with or without drain port

With drain port

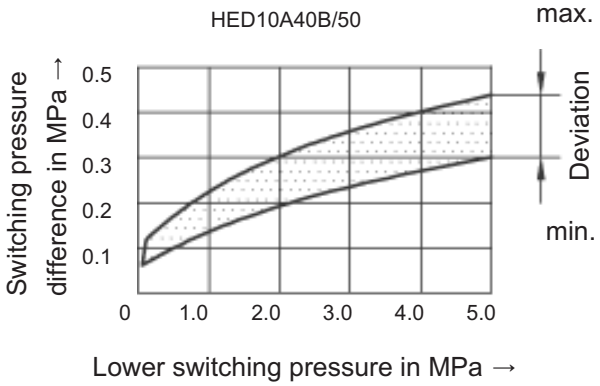


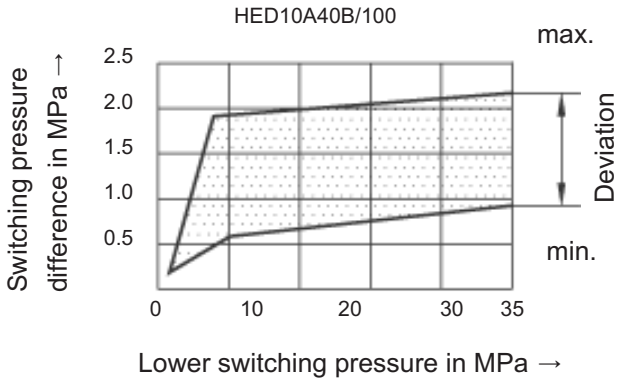


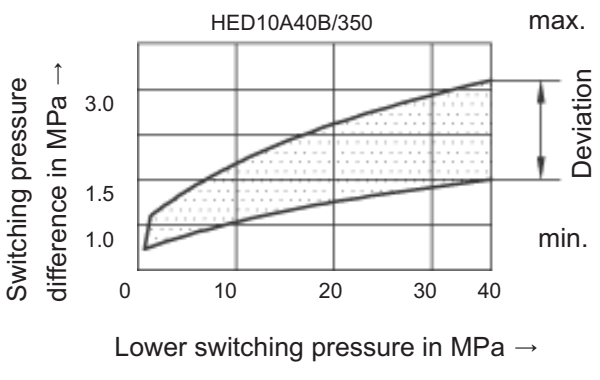


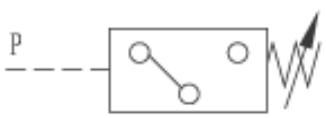


Without drain port









Notice

1. **The fluid must be filtered. Minimum filter fineness is 20 μm.**
2. **The tank must be sealing up and an air filter must be installed on air entrance.**
3. **Products without subplate when leaving factory, if need them, please ordering specially.**
4. **Valve fixing screws must be high intensity level (class 10.9). Please select and use them according to the parameter listed in the sample book.**
5. **Roughness of surface linked with the valve is required to** 

.
6. **Surface finish of mating piece is required to 0.01/100mm.**

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