Реле давления HED1
Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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HED1...type
Pressure Relay

HED1...4X...type

Max. Working Pressure: 500bar

Contents

Features

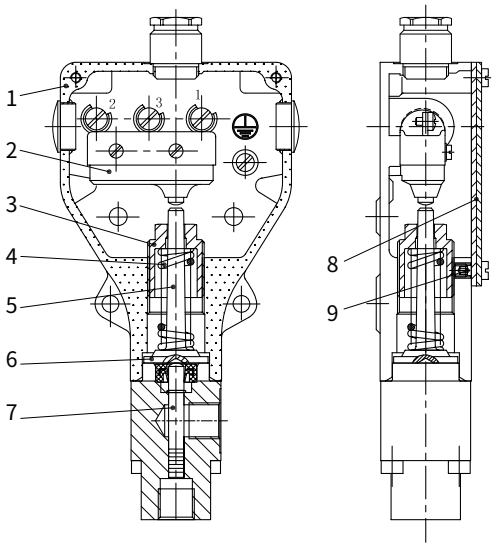
- With or without drain port
- For threaded connection

Function and configuration

HED1 type relay is a piston type pressure relay. Is consists of the housing(1), microswitch(2), adjustment screw rod(3), and pressure spring(4).

When the hydraulic system recreves the set pressure, the pressure switch will send out an electric signal to begin sequent operation or security protection by controlling some electric components.

Adjustment of the switching pressure:
To adjust the switching pressure, the nameplate (8) must first be removed then loosen the screw (9). The switching pressure is set by rotating the adjustment screw (3). After adjusting, refit the name plate (8) and tighten the screw (9).



1 Housing
2 Microswitch
3 Adjustment screw rod
4 Pressure spring
5 Push rod
6 Mechanical spacing limiter
7 Piston
8 Nameplate
9 Screw

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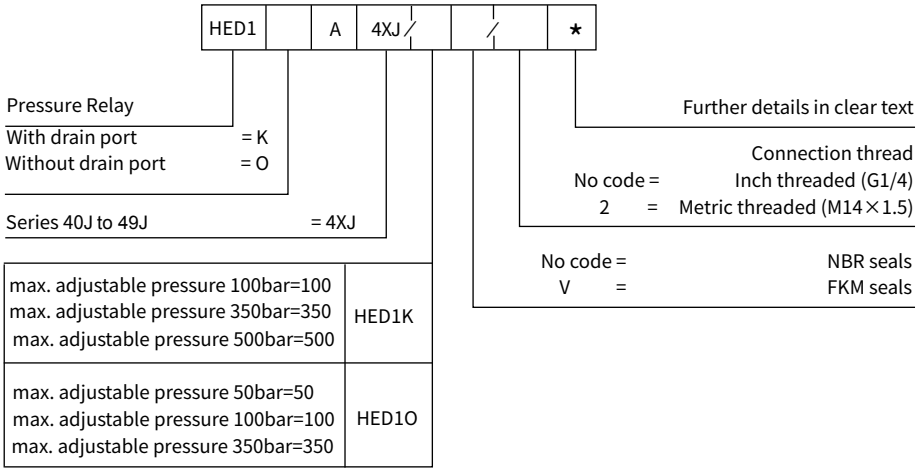
Symbols

Electric circuit

Without drain port

With drain port

Specification

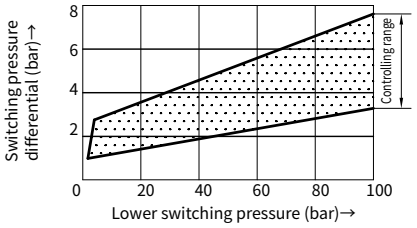


Technical data

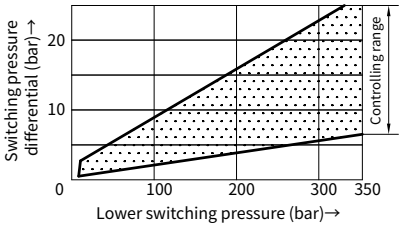
Fluid			Mineral oil and Phosphate ester		
Fluid temperature range °C			-30 to +80		
Viscosity range mm^2/s			10 to 800		
Switchover precision			<2% setting range		
Switchover frequency	HED1 KA 4XJ/		Up to 300 times/min		
	HED1 OA 4XJ/		~ 50 (briefly also... 100) /time/min.		
Pressure in drain port			~ 2bar		
Setting ranges for HED 1 KA 4XJ/..(bar)					
Pressure rating	Max. operating pressure briefly	Falling pressure		Rising pressure	
		min.	max.	min.	max.
100	600	3	92	6	100
350	600	6	325	10	350
500	600	10	465	20	500
Setting ranges for HED 1 OA 4XJ/..(bar)					
Pressure rating	Max. operating pressure briefly	Falling pressure		Rising pressure	
		min.	max.	min.	max.
50	80	2	45	3.5	50
100	350	3	82	8	100
350	350	6	295	20	350
Electrical connection			Cable gland (max.cable diameter is 11 mm) PG 11		
			plug-in connector		
Connection cross section	Cable gland mm^2		~4		
Contact loading	AC		460V, 15A		
	DC		40V, 1A; 125V, 0.4A; 250V, 0.2A		
For DC voltages with inductive loading spark suppression is recommended to increase service life.					
Insulation to DIN40050			IP65		
Weight			0.8kg		

Characteristic curves (Measured at t=40°C ±5°C , using HLP46)

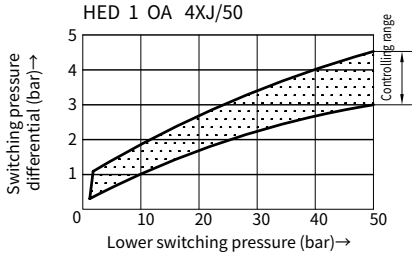
HED 1 KA 4XJ/100



HED 1 KA 4XJ/350



HED 1 OA 4XJ/50



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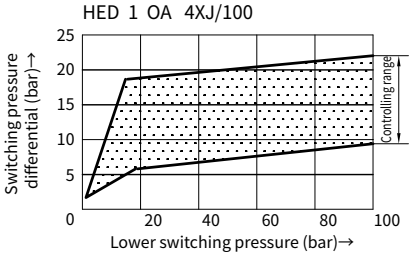
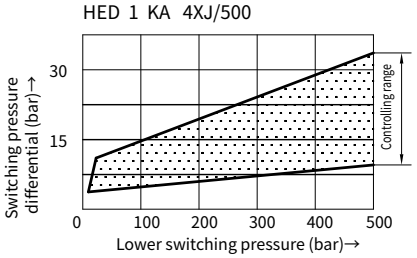
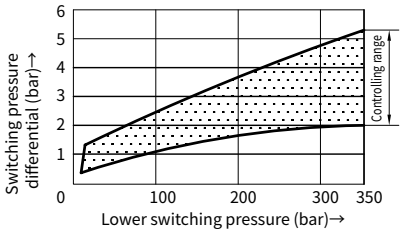


HED 1 KA 4XJ/500



HED 1 OA 4XJ/350



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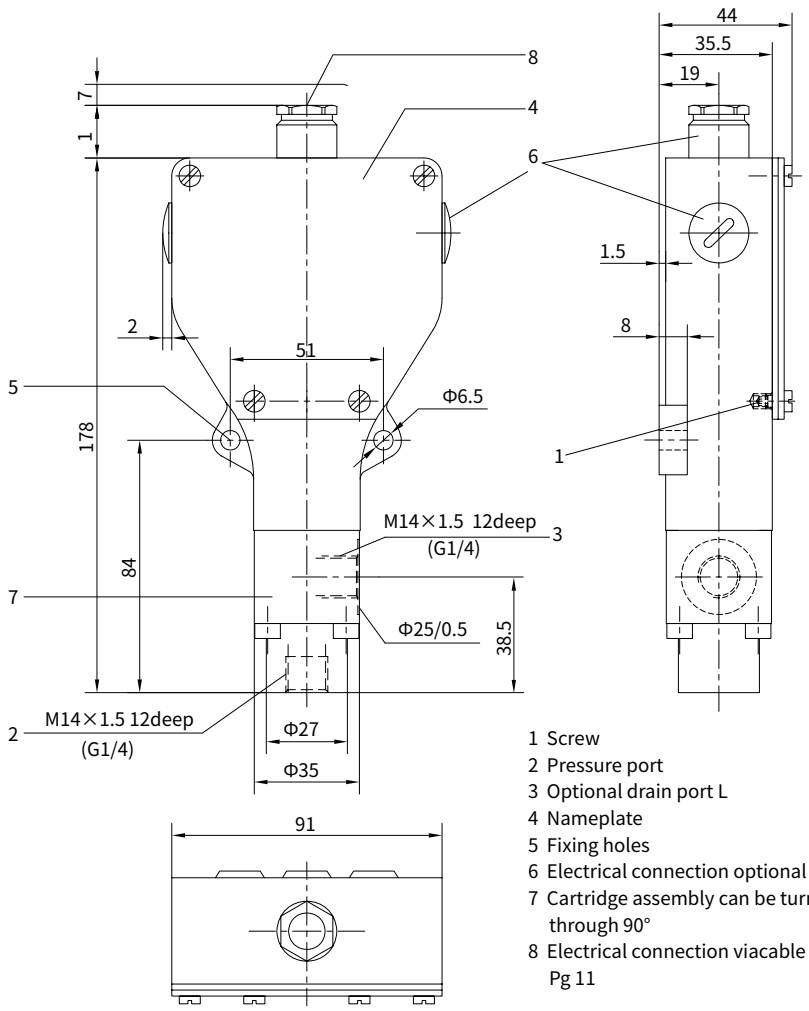
Unit dimensions

(Dimensions in mm)



1 Screw
2 Pressure port
3 Optional drain port L
4 Nameplate
5 Fixing holes
6 Electrical connection optional Pg 11,
7 Cartridge assembly can be turned through 90°
8 Electrical connection viacable gland Pg 11

08

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