

RE 30279/11.14 Replaces: 10.08 1/4

with two switching outputs

Electronic pressure switch

Type HEDE 11.../2/

Component series 1X Maximum operating pressure 400 bar



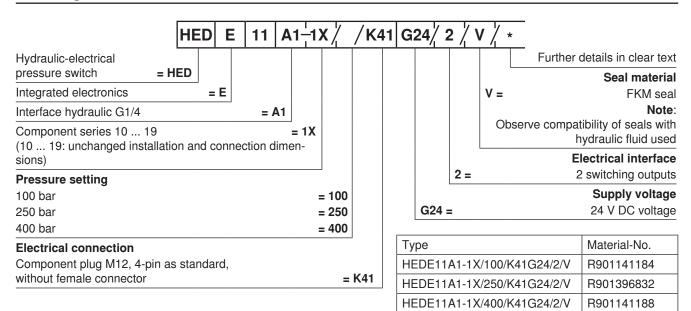
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		 Parts that come into contact with the medium are made of stainless steel or FKM

Features

- Connection thread G1/4
- High long-term stability
- Electrical connection by means of 4-pin M12 connector
- Two exclusive-OR switching outputs
- Indication of switching status and readiness for operation
- Compact design

Ordering code

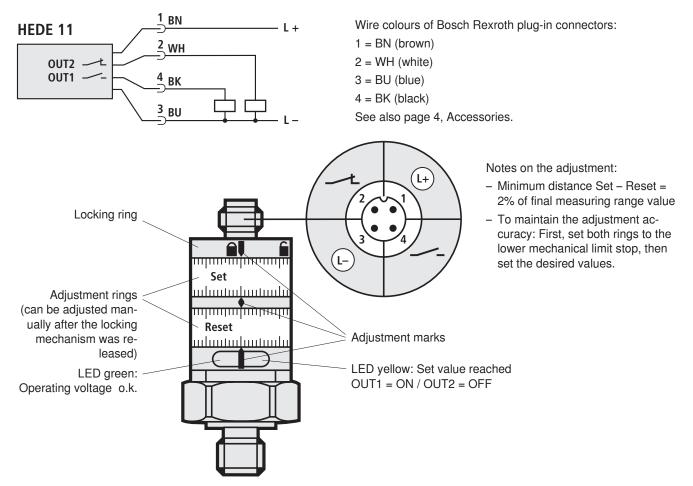


Function, electrical connection, adjustment

The electronic pressure switch senses the system pressure and switches the two outputs OUT1 (Pin 4) / OUT2 (Pin 2) according to the exclusive-OR principle.

- In the case of rising pressure, OUT1 closes / OUT2 opens, when the selected set value has been reached.

- In the case of falling presusre, OUT1 opens / OUT2 closes, when the selected reset value has been reached.



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

General	
Weight kg	Approx. 0.09
Installation position	Optional
Ambient temperature range °C	-20 +80
Storage temperature range °C	-40 +100

Hydraulic

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HEDE 11A1-1X/		100	250	400
Switching point Set	bar	5 100	12.5 250	20 400
Switching point Reset	bar	3 98	7.5 245	12 392
Maximum operating pressure	bar	100	250	400
Permissible overload pressure	bar	200	400	600
Burst pressure	bar	1000	1000	1600
Hydraulic fluid temperature range	°C	-25 to +80		
Material in contact with medium		V4A (1.4404), FKM		

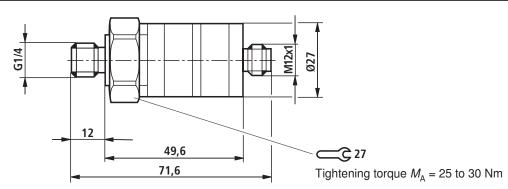
Electrical

Auxiliary power	VDC	18 36	
Current consumption mA		< 25	
Current carrying capacity per switching output mA		500	
Short-circuit protection		Clocked	
Overload-proof		Yes	
Reverse polarity protection		Yes	
Voltage drop V		< 2	
Switching frequency Hz		100	
Adjustment accuracy %		< ±2.5 of final measuring range value	
Repeatability %		< ±0.5 of final measuring range value	
Temperature influence %		< ±0.5 of final measuring range value / 10 K	
		from 0 +80 °C	
Switching cycles, minimum		50 million	
Type of protection to EN 60529		IP 67	
Protection class to EN 50178		III	
Insulation resistance MΩ		> 100 (500 V DC)	
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD	
	EN 61000-4-3 HF radiated	10 V/m	
	EN 61000-4-4 burst	2 kV	
	EN 61000-4-6 HF conducted	10 V	
UL approval		UL 508	

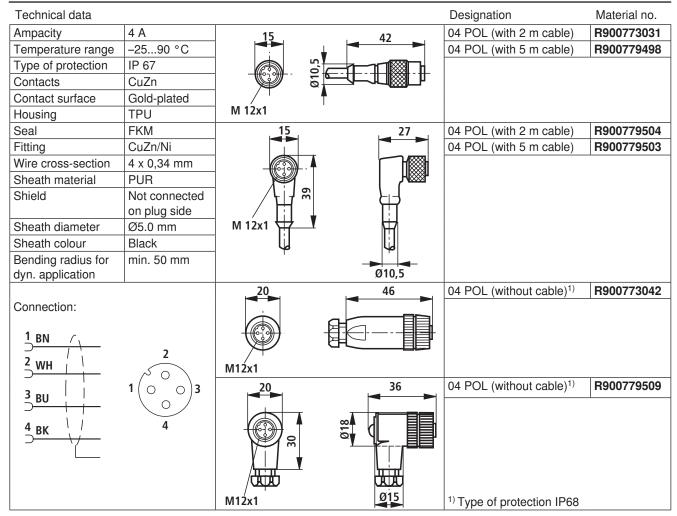
Note:

To meet the "limited voltage current" requirements according to UL, the device must be supplied from an electrically isolated source and an overcurrent protection feature must be provided.

Dimensions (dimensions in mm)



Accessories: Plug-in Connectors



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