

Electronic pressure switch with two switching outputs

RE 30279/11.14 Replaces: 10.08

1/4

Type HEDE 11.../2/

Component series 1X Maximum operating pressure 400 bar



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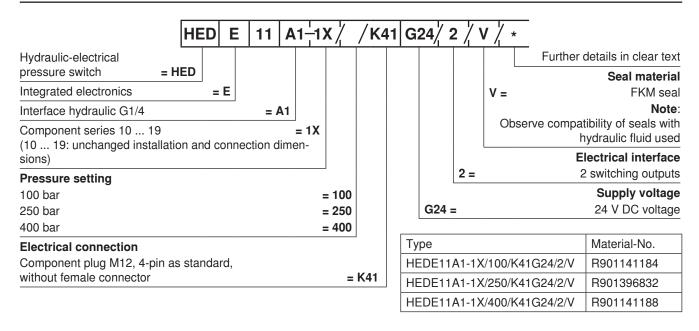
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Features

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- Sensing of hydraulic pressures and their output as electrical switching signals
- 2 3 pressure ratings
- 2 High burst pressure range
- Simple adjustment of switching points by means of two, optimally readable adjustment rings
- Mechanical locking against unauthorised manipulations of the switching points
 - Parts that come into contact with the medium are made of stainless steel or FKM
 - 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

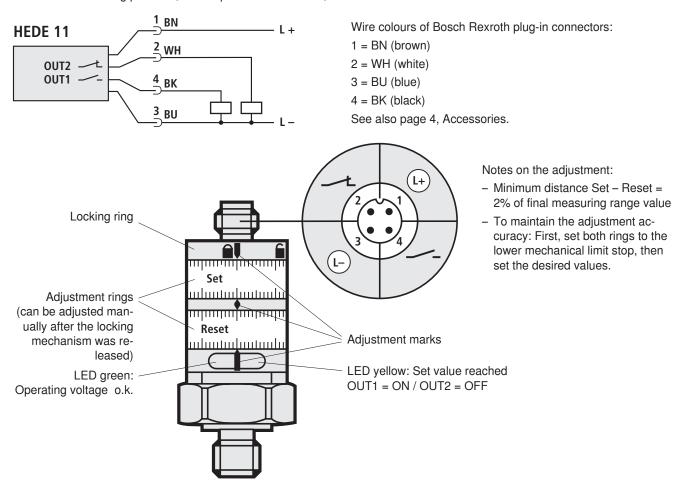
Ordering code



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, OUT1opens / OUT2 closes, when the selected reset value has been reached.



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

kg	Approx. 0.09				
	Optional				
°C	–20 +80				
°C	-40 +100				
	100	250	400		
bar	5 100	12.5 250	20 400		
bar	3 98	7.5 245	12 392		
bar	100	250	400		
bar	200	400	600		
bar	1000	1000	1600		
°C	-25 to +80				
	V4A (1.4404), FKM				
VDC mA	18 36				
mA	< 25				
Current carrying capacity per switching output mA			500		
Short-circuit protection					
Overload-proof					
Reverse polarity protection Voltage drop V					
	< ±2.5 of final measuring range value				
	< ±0.5 of final measuring range value				
%					
Switching cycles, minimum					
Type of protection to EN 60529			IP 67		
	> 100 (500 V DC)				
-4-2 ESD	4 kV CD / 8 kV AD				
onducted	10 V				
	°C °C bar bar bar bar bar VDC mA mA VHz % % % % MΩ -4-2 ESD - radiated -4-4 burst	Optional °C -20 +80 °C -40 +100 100 bar 5 100 bar 3 98 bar 1000 bar 200 bar 1000 °C -25 to +80 V4A (1.4404), FKM VDC 18 36 mA < 25 mA 500 Clocked Yes Yes V < 2 Hz 100 % < ±2.5 of final meas % < ±0.5 of final meas from 0 +80 °C 50 million IP 67 III MΩ > 100 (500 V DC) -4-2 ESD Fradiated -4-4 burst 2 kV	Optional °C -20 +80 °C -40 +100 100		

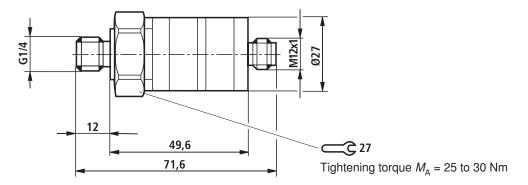
Note:

UL approval

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.

UL 508

Dimensions (dimensions in mm)



Accessories: Plug-in Connectors

Technical data				Designation	Material no.
	4.4				
Ampacity	4 A	15 ▼	42	04 POL (with 2 m cable)	R900773031
Temperature range	-2590 °C		v	04 POL (with 5 m cable)	R900779498
Type of protection	IP 67	Ø10,5			
Contacts	CuZn	¥ 6			
Contact surface	Gold-plated	M 42:4	T		
Housing	TPU	M 12x1			
Seal	FKM	15	27	04 POL (with 2 m cable)	R900779504
Fitting	CuZn/Ni			04 POL (with 5 m cable)	R900779503
Wire cross-section	4 x 0,34 mm				
Sheath material	PUR				
Shield	Not connected	\\ \\ \ \ \ \ \ \ \ \ \ \ \ \	├ -}		
	on plug side	/ Ⅲ ↓	\square		
Sheath diameter	Ø5.0 mm	M 12x1	l∰l .		
Sheath colour	Black				
Bending radius for	min. 50 mm	'			
dyn. application			Ø10,5		_
		20	46	04 POL (without cable) ¹⁾	R900773042
Connection:					
1 BN /					
2 1011	2				
2 WH / \	20	M12x1			
3	1 (0 0) 3	20	36	04 POL (without cable) ¹⁾	R900779509
3 BU					'
4 1	4		∞▲ 』		
4 BK	7	m m			
		<u> </u>	\ <u></u>		
		/ QQQ			
		M12x1	Ø15	¹⁾ Type of protection IP68	