

2/16 Pressure switch HEDE11.../2/ | RE 30279-B/02.2020

Content

Bosch Rexroth AG

RE 30279-B/02.2020 | Pressure switch HEDE11.../2/ 3/16

The data spacified only serve to describe the product. If information on the use of the product is given, it is only to be regarded as application examples and recommendations. Catalog specifications do not constitute assured characteristics. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

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The cover shows an example configuration. The product delivered may differ from the image on the cover.

Translation of the original instruction manual. The original instruction manual was prepared in German language.

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4/16 Pressure switch HEDE11.../2/ | RE 30279-B/02.2020

1 Safety instructions

Before commissioning the device, please read this document. Make sure that the product is suitable for your application without any restrictions. The non-observance of application notes or technical information can result in damage to property and/or personal injury. Irrespective of the application, test the compatibility of the product material (see technical data) with the hydraulic media to be measured.

2 Intended use

The pressure sensor acquires the system pressure and switches the two outputs OUT1 (pin 4) / OUT2 (pin 2) non-equivalently.

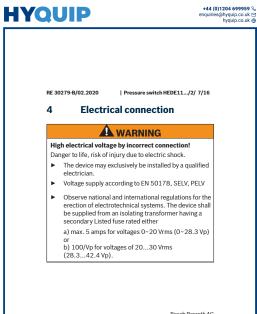
- When the pressure is rising OUT1 closes / OUT2 opens, when the selected set value is reached.
 When the pressure is falling OUT1 opens / OUT2 closes, when the selected reset value is reached.

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Risk of injury and risk of des sensor, even if the overload briefly. Avoid steady-state and exceed the specified m abelle 1: Type of pressure: Re	pressure dynamic ominal pr	overpressu essure.	donly
Ordering code	Meas- uring range in bar	Permitted over- pressure in bar	Burst pressure in bar
HEDE11A1-1X/100K41G24/2/V Mat. no. R901141184	0100	200	1000
HEDE11A1-1X/250/K41G24/2/V Mat. no. R901396832	0250	400	1000
HEDE11A1-1X/400K41G24/2/V Mat. no. R901141188	0400	600	1600
HEDE11A1-1X/400K41G12/2/V Mat. no. R901275415	0400	600	1600

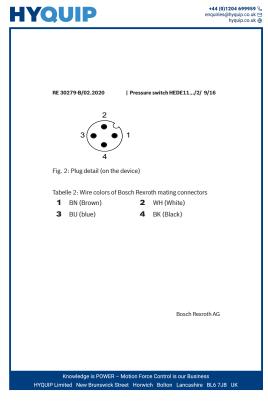
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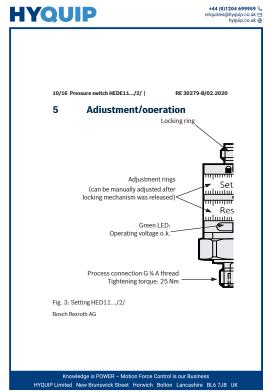




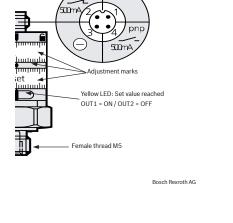
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Knowledge is POWER – Motion Force Control is our Business	





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Knowledge is POWER – Motion Force Control is our Business HYQUIP Limited New Brunswick Street Horwich Bolton Lancashire BL6 7JB UK

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12/16 Pressure switch HEDE11.../2/ | RE 30279-B/02.2020

- Minimum distance between Set Reset = 2 % of the upper range value.
 To maintain the adjustment accuracy: Firstly, set the two rings to the lower limit stop, then to the desired values.
- **Technical data** 6

Auxiliary energy [V] G12 variant G24 variant Auxiliary energy [V] 9.6...32 DC G12 variant 9.6...32 DC G24 variant 18....36 DC Current consumption [mA] < 10</td> Current carrying capacity per switching output [mA] 500 Switching frequency [H2] 100 Switching Adjustment Adjustment Repeatability [% of the upper range value] <10.1</td> [% of the upper range value / per 10K] <10.5</td> Within temperature range [°C] 0...+80 Ambient temperature [°C] -~~ature [°C] -25...+80* Bosch Rexroth AG

RE 30279-B/02.2020	Pressure switch HEDE11/2/ 13/16
Type of protection/protec	tion class to CEN 50178 IP 67 / III
Enclosure type	Type 1
Insulation resistance [MΩ] > 100 (500 V DC)
Shock resistance [g]	50 (DIN / IEC 68-2-27, 11 ms)
Resistance to vibration [g Hz)]20 (DIN / IEC 68-2-6, 10 - 2000
Housing materials (Macrolon); FPM (Viton)	V4A (1.4404); PBTP (Pocan); PC
Materials in contact with t	he medium V4A (1.4404)
Seal	FPM (Viton)
EMC EN 61000-4-2 ESD:	6 / 8 kV
EN 61000-4-3 HF radiate	d: 10 V/m
EN 61000-4-4 Burst:	2 kV
EN 61000-4-6 HF conduc	cted: 10 V

 * Temperatures for UL applications: max. 70 $^{\circ}\mathrm{C}$

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