



TYPE APPROVAL CERTIFICATE
No. ELE219623XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Pressure switches, compact model
<i>Type</i>	Series 8000/9000
<i>Applicant</i>	BARKSDALE GMBH Dorn - Assenheimer Str. 27 D-61203 Reichelsheim GERMANY
<i>Manufacturer</i>	BARKSDALE GMBH
<i>Place of manufacture</i>	Dorn - Assenheimer Str. 27 D-61203 Reichelsheim GERMANY
<i>Reference standards</i>	.RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1

Issued in **HAMBURG** on **September 8, 2023**. *This Certificate is valid until* **September 7, 2028**

Giuseppe Russo

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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Series 8000/9000

Product description:

Diaphragm / Piston pressure switches Series 8000

Adjustable Ranges (decreasing pressure) bar	Adjustable Ranges (increasing pressure) bar	Typ. Hysteresis bar	Proof pressure bar
Diaphragm	Diaphragm	< or = 15 % full scale	80
0,4 ... 5,7	0,6...6,0		
2,0...17	3,0...20		
3,0...41	4,0...45		
Piston	Piston	< or = 20% full scale	600
3,0...160	5,0...180		
30...300	50...350		
55...520	80...600		
			900

Piston pressure switches Series 9000

Adjustable Ranges (decreasing pressure) bar	Adjustable Ranges (increasing pressure) bar	Typ. Hysteresis bar		Proof pressure bar
Diaphragm	Diaphragm	Start of range	End of range	80
0,1 ... 1,5	0,2 ... 2	< or = 0,4 bar	< or = 0,7 bar	
0,4 ... 14	1 ... 16	< or = 0,6 bar	< or = 2 bar	
0,2 ... 27	1 ... 30	< or = 0,8 bar	< or = 3 bar	
Piston	Piston	< or = 10 % full scale		300
6 ... 44	10 ... 50			
15 ... 185	20 ... 200			
35 ... 360	40 ... 400			
				600

Documents:

Data sheets: - 923-1294 Rev. I, 923-1646 Rev E and 923-1647 Rev E

EC Type Examination Certificate TÜV 20 ATEX 248753 X dated 26.01.2022

Test reports:

BFSV: - 5527/05 (08/02/2005), 5641 a/05 (22/06/2005), 6761/009 (02/07/2009),

Prüflaboratorium Bonn: - TR8000-233-005 / 006 / 007 / 008 / 009

Barksdale Nr. 8261-PL1-B, 8251-PL1-B, 8221-PL1-1-B

Remarks:*This certificate replaces certificate ELE123618XG.***HAMBURG September 8, 2023***Giuseppe Russo*