



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Barksdale GmbH
Address	Dorn-Assenheimer Str. 27, Reichelsheim, 61203, Germany
Type	Switches - Pressure
Description	<p>Pressure switch</p> <p>Series 8000 8(1)(2)(3)-(4)-(5)-(6) (1) = Process connection: 1-4, A-G (2) = Pressure range membrane: 1, 2, 3 or (2) = Pressure range piston: 4, 5, 6 (3) = Limit switch: 1 (4) = Electrical connection: PL1, PL2, PL3, PL4, CA1, CA2 (5) = Seal material: B, V, N, E (6) = Special option: EXI, HD, VA, W, LH, GL</p> <p>KLM-(1)-M4-ST0-1 (1) = Adjustment range: 001, 006, 025, 040</p> <p>Series 9000 (1) = Process connection: 1-4, A-G (2) = Pressure range membrane: 01, 02, 03 or (2) = Pressure range Piston: 1, 2, 3 (3) = Limit switch: 1 (4) = Electrical connection: PL1, PL2, PL3, PL4, CA1, CA2</p>

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(5) = Seal material: B, V, N, E
(6) = Special option: EXI, HD, VA, W, LH, GL

Trade Name	Series 8000, KLM and Series 9000
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, and ENV3 as defined in Lloyd's Register's Type Approval, Test Specification Number 1 - 2013.
Specified Standard	Manufacturer's specification
Ratings	Pressure Ranges: 0.6 to 600 bar (Series 8000) 0.3 to 40 bar (KLM) 0.2...400 bar (Series 9000)
Additional Tests	Low temperature (-40°C/16 hrs), display is readable down to -15°C Dry heat (80°C/16h) Enclosure test IP X5/X7
Other Conditions	Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 08/20005 (E3)

The Design Appraisal Document HPC1862018-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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