



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/20005 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Barksdale GmbH
PLACE OF PRODUCTION	Dorn-Assenheimer Str. 27 61203 Reichelsheim Germany
DESCRIPTION	Pressure switch
TYPE	Series 8000, KLM and Series 9000 8①②③-④-⑤-⑥ 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, LR, HD, VA, W, LH, GL, BV, RI KLM-①-M4-ST0-1 ①=Adjustment range: 001, 006, 025, 040

Certificate No.	08/20005 (E2)
Issue Date	19 September 2014
Expiry Date	14 January 2018
Sheet	1 of 2

Digitally signed by Thorsten
Wolff
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Thorsten Wolff
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TYPE CONTINUED

9 ①②③-④-⑤-⑥

- 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
- ⑤=Seal material: B, V, N, E
- ⑥=Special option: EXI, LR, HD, VA, W, LH

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.

ADDITIONAL TESTS

Low temperature (-40°C/16 hrs), display is readable down to -15°C
Dry heat (80°C/16 hrs)
Enclosure test IP X5/X7

DESIGN CODE

Manufacturer's specification

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."

The attached Design Appraisal Document No. HTS/ETS 30297-14 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 08/20005 (E1) to which this extension should be attached.

Certificate No.	08/20005 (E2)
Issue Date	19 September 2014
Expiry Date	14 January 2018
Sheet	2 of 2

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