

1 ATEX CAT 3 Conformity Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 23ATEX1609X Issue: 0

4 Equipment: Performance Series Pressure and Temperature Switches

5 Manufacturer: Delta Mobrey Limited

6 Address: Hudson House, Albany Park, Camberley, Surrey, GU16 7PL

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV4476 A.

8 The equipment has been assessed against the following Standards and found to comply:

EN IEC 60079-0: 2018 EN 60079-7:2015/A1:2018 EN IEC 60079-15:2019
EN 60079-31:2014

9 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

10 ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the assessment may be based upon.

11 The marking of the equipment shall include the following:

 II 3 GD Ex ec nC IIC T6 Gc (Tamb -25°C to + 40°C)

Ex tc IIIC T85°C Dc (Tamb -25°C to +40°C)

Ex ec nC IIC T4 Gc (Tamb -25°C to + 80°C)

Ex tc IIIC T135°C Dc (Tamb -25°C to + 80°C)

Schedule

12 Description of Equipment or Protective System

The Pressure and Temperature Switches of the "Performance" Line comprises of an IP 66 enclosure, with cover, manufactured investment cast stainless steel. The cover is fitted with to the enclosure using four screws. A gasket is fitted between the enclosure and lid and maintained in position by use of adhesive and compression of lid.

The interior of the enclosure is fitted with up to two hermetically sealed microswitches rated at up to 5 A / 250V A.C. or 2 A / 30V D.C. with associated switch assembly and terminal block.

The switch assembly is mechanically linked to an externally mounted pressure or temperature sensing actuator by means of a stainless-steel operating rod. The enclosure is separated from the externally mounted sensing actuator by an EPDM diaphragm as per 71097-PE-003 guide assembly.

The addition of cable-fault monitoring resistors in accordance with the scheduled drawings is permitted (End of Line option), with the apparatus rated up to a maximum of 30V D.C.

Cable entry holes are provided as specified on the certified drawings for the accommodation of suitably

certified cable entry devices. The cable entry devices thread adapters shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Ex Equipment.

13 Descriptive Documents

13.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
4476/A/1	24/2/2025	0	Initial issue of the Prime Certificate

13.2 Compliance Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
PERF O ENCLOSURE GUIDE ASSY Ex ec INCREASED SAFETY	71097-PE-003	A	13/04/2023
Technical Specification for Stainless Steel Increased Safety version for "Performance" Series Switches	71097-PE-005	A	13/09/2024
PERFORMANCE SERIES CERTIFICATION LABEL DRAWING FOR STAINLESS STEEL ENCLOSURE	71097-PE-007	A	07/07/2023
Safety Instruction for Increased Safety "Performance" Series Switches	71097-PE-008	A	07/11/2024
Technical Specification for sealing, grease and bonding materials used on switches	71097-ZZ-001	A	22/04/2022
HERMETICALLY SEALED MICROSWITCH	71097-ZZ-002	A	15/08/2024

14 Conditions of Certification

14.1 Special Conditions for Safe Use

- The cable entry may reach a temperature of over 90°C. Suitably rated cable must be used.
- All terminal screws, used and unused, shall be tightened down to between 0.4Nm and 0.45Nm.

14.2 Conditions for Use (Routine tests)

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Schedule

- The routine dielectric strength test on the equipment shall be performed at $2U + 1,000V$ with a minimum value of 1500V (U = maximum rated voltage of the equipment), as per 6.1 of EN IEC 60079-7

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

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