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Schedule EU-TYPE EXAMINATION CERTIFICATE No. DEMKO 19 ATEX 2216X Rev. 1

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Description of Product

The series 1950G Differential Pressure Switches allow for the operation of a switch through means of an internal diaphragm. During operation, the differential pressure causes the displacement of the diaphragm, which in turn magnetically operates the switch.

Nomenclature:

1950G - 00 - B - 120
 I II III IV

I – Basic Series Designation

1950G – 1950G Pressure Switch

II – Pressure Range Designation

- 00 – 0.07 to 0.15 In. WC
- 0 – 0.15 to 0.5 In. WC
- 1 – 0.4 to 1.6 In. WC
- 5 – 1.4 to 5.5 In. WC
- 10 – 3 to 11 In. WC
- 20 – 4 to 20 In. WC

III – Diaphragm and O-Ring Material Designation

- B – Buna N
- N – Neoprene
- S – Silicone
- V – Fluoroelastomer
- F – Fluorosilicone

IV – Input Voltage Supply

- 24 – 24VDC
- 120 – 120VAC
- 240 – 240VAC

Temperature range

The ambient temperature range is -XX °C to +60 °C, where XX is the minimum ambient temperature and is based on the material of the O-Ring/Diaphragm as detailed in the table below:

O-Ring/Diaphragm Material	Lower ambient temperature
Buna-N Neoprene	-17°C
Silicone Fluorosilicone	-40°C
Fluoroelastomer	-1°C

Electrical data

Supply: 24 Vdc, 120 Vac or 240 Vac ± 10%
 Relay Contacts: 10A – 120/240 Vac, 28 Vdc
 Resistive 50mA – 125 Vdc

Routine tests

Routine tests according to EN 60079-1 cl. 16 are not required, as the enclosures have been successfully tested at four times the reference pressure.

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Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

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Specific conditions of use:

- The cover bolts have a minimum property class of 10.9.
- Repairs to the flamepaths are only to be performed by Dwyer Instruments LLC.

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Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

