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## Schedule EU-TYPE EXAMINATION CERTIFICATE No. UL 23 ATEX 3073U Rev. 1

[15] Description of Component:  
The equipment is housed within a non-metallic enclosure which is considered to achieve IP20, a membrane can be applied by the manufacturer which increases the ingress protection rating IP54.

The user/installation manual details the correct method for the end manufacturer to install the device within their equipment.

The equipment must be fitted with the dust filter for use within Group I environments.

Nomenclature for MIPEX -04 Sensors:

MIPEX-04	-B	-CC	-D	.E
I	II	III	IV	V

- I MIPEX Model Number
- II Target gas  
1 - CH4 (methane)  
2 - C3H8 (propane, CmHn – hydrocarbons)
- III Application:  
R – calibration gas and range  
X – temperature class and variability
- IV Housing type:  
3 - "Plastic"
- V Interface:  
1 – UART

Temperature range  
The ambient temperature range is  $-40\text{ °C} \leq T_{amb} \leq +60\text{ °C}$ .

Electrical data

Intrinsically safe specifications:  
 $U_i = 5.5\text{ V}$ ,  $I_i = 200\text{ mA}$ ,  $P_i = 0.13\text{ W}$ ,  $C_i = 26\text{ }\mu\text{F}$ ,  $L_i = 0$

Routine tests  
None

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

[17] Schedule of limitations:

- The MIPEX 04-B-CC-3.1 model of the equipment is housed within a plastic enclosure which requires the following to be placed on the certificate and the following guidance included within the manual: WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD – CLEAN ONLY WITH A DAMP CLOTH.
- All models are suitable for equipment with temperature classes T1 – T6 an ambient temperature range of  $-40\text{ °C} \leq T_{amb} \leq +60\text{ °C}$ .
- The equipment must be fitted with the dust filter for use within Group I environments.

[18] 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.

