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| **IECEx TEST REPORT**  **IEC 60079-26**  **Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection** | | |
| ExTR Reference Number : |  | |
| ExTR Free Reference Number : |  | |
| Compiled by + signature (ExTL) : | (enter typed name here) | (enter signature here) |
| Reviewed by + signature (ExTL) : | (enter typed name here) | (enter signature here) |
| Date of issue : |  | |
| Ex Testing Laboratory (ExTL) : |  | |
| Address : |  | |
| Applicant’s name : |  | |
| Address : |  | |
| Standard : | IEC 60079-26:2021 Edition 4.0 | |
| Test Report Form Number : | ExTR60079-26\_4B\_DS (released 2021-04) | |
| Related Amendments, Corrigenda or ISHs : |  | |
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| Possible test case verdicts: |  |
| - test case does not apply to the test item :N / A |  |
| - test item does meet the requirement :Pass |  |
| General remarks:  The test results presented in this Ex Test Report relate only to the item or product tested.   * "(see Attachment #)" refers to additional information appended to this document. * "(see appended table)" refers to a table appended to this document. * Throughout this document, a point is used as the decimal separator.   The technical content of this Ex Test Report shall not be reproduced except in full without the written approval of the Issuing ExCB and ExTL. | |

| **IEC 60079-26** | | | | | |
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| **Clause** | **Requirement – Test** | **Result – Remark** | | **Verdict** | |
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| 1 | Scope | | | | |
|  | | | | | |
| 2 | Normative references | | | | |
|  | | | | | |
| 3 | Terms and definitions | | | | |
|  | | | | | |
| 4 | Ex Equipment with two combined Types of Protection | | | | |
|  | | | | | |
| 4.1 | General |  | |  | |
|  | | | | | |
| 4.2 | Basic requirements |  | |  | |
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| 4.3 | Electrical Connections |  | |  | |
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| 5 | Ex Equipment containing parts with different EPLs and a separation element | | | | |
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| 5.1 | General |  | |  | |
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| 5.2 | Separation elements | | | | |
| 5.2.1 | General |  | |  | |
| 5.2.2 | Basic requirements |  | |  | |
| 5.2.3 | Mechanical partition walls |  | |  | |
| 5.2.4 | Metallic partition walls with gas-tight conductor bushings |  | |  | |
| 5.2.5 | Partition wall supplemented with a joint |  | |  | |
| 5.2.6 | Partition wall for explosive gas atmospheres supplemented with natural ventilation |  | |  | |
| 5.2.7 | Requirements depending on the thickness of the partition wall |  | |  | |
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| 6 | Process connection |  | |  | |
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| 7 | Type tests | | | | |
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| 7.1 | Standardized types of protection | |  | |  |
|  | | | | | |
| 7.2 | Separation elements |  | |  | |
|  | | | | | |
| 7.3 | Temperature evaluation |  | |  | |
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| 8 | Marking | | | | |
|  | | | | | |
| 8.1 | General |  | |  | |
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| 8.2 | Ex Equipment with two combined Types of Protection |  | |  | |
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| 8.3 | Ex Equipment containing parts with different EPLs |  | |  | |
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| 8.4 | Examples of marking | | | | |
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| 9 | Instructions | | | | |
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| 9.1 | Separation elements |  | |  | |
|  | | | | | |
| 9.2 | Process connection |  | |  | |
|  | | | | | |
| 9.3 | EPL allocation |  | |  | |
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| Annex A  (normative) | Types of construction for separation elements | | | | |
| Table A.1 | Ex Equipment with separation elements mounted at a boundary of Zone 0 |  | |  | |
| Table A.2 | Ex Equipment with separation elements mounted at a boundary of Zone 1 |  | |  | |
| Table A.3 | Ex Equipment with separation elements mounted at a boundary of Zone 20 |  | |  | |
| Table A.4 | Ex Equipment with separation elements mounted at a boundary of Zone 21 |  | |  | |
| Table A.5 | Ex Equipment with separation elements mounted at a boundary of Zone 0 in Zone 21 or 22 |  | |  | |
| Table A.6 | Ex Equipment with separation elements mounted at a boundary of Zone 1 in Zone 21 or 22 |  | |  | |
| Table A.7 | Ex Equipment with separation elements mounted at a boundary of Zone 20 in Zone 1 or 2 |  | |  | |
| Table A.8 | Ex Equipment with separation elements mounted at a boundary of Zone 21 in Zone 1 or 2 |  | |  | |

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| Measurement Section, including Additional Narrative Remarks (as deemed applicable) |