| clause | subject | Explanation of the significance of the changes | Type of standard change | | | | applicability for the current project | Reason of applicability | Risk of raising non-conformity with  IEC 60079-0:2017 | Necessary measures, in case of raised risk |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Minor | Extension | Major | No change |
| 26 | Type test | No requirements |  |  |  | X |  |  |  |  |
| 26.1 | General | Without change |  |  |  | X |  |  |  |  |
| 26.2 | Test Configuration | Clarification that the type tests are to take into consideration the installation instructions | X |  |  |  |  |  |  |  |
| 26.3 | Tests in explosive test mixtures | Without change |  |  |  | X |  |  |  |  |
| 26.4 | Tests of enclosures | No requirements |  |  |  | X |  |  |  |  |
| 26.4.1 | Order of tests | No requirements |  |  |  | X |  |  |  |  |
| 26.4.1.1 | Metallic enclosures, metallic parts of enclosures and glass or ceramic parts of enclosures | Clarification that the “glass” requirements also apply to “ceramic” parts | X |  |  |  |  |  |  |  |
| 26.4.1.2 | Non-metallic enclosures or non-metallic parts of enclosures | Without change |  |  |  | X |  |  |  |  |
| 26.4.1.2.1 | General | Without change |  |  |  | X |  |  |  |  |
| 26.4.1.2.2 | Group I equipment | Added a permission to interchange the order of tests at the “lower test temperature” and the “upper test temperature”. | X |  |  |  |  |  |  |  |
| 26.4.1.2.3 | Group II equipment | X |  |  |  |  |  |  |
| 26.4.2 | Resistance to impact | Clarified the construction of the impact test fixture | X |  |  |  |  |  |  |  |
| 26.4.3 | Drop test | Without change |  |  |  | X |  |  |  |  |
| 26.4.4 | Acceptance criteria | Without change |  |  |  | X |  |  |  |  |
| 26.4.5 | Degree of protection (IP) by enclosures | No requirements |  |  |  | X |  |  |  |  |
| 26.4.5.1 | Test procedures | Added clarification to deal with the new IPX9 ratings |  | X |  |  |  |  |  |  |
| 26.4.5.2 | Acceptance criteria | Without change |  |  |  | X |  |  |  |  |
| 26.5 | Thermal tests | No requirements |  |  |  | X |  |  |  |  |
| 26.5.1 | Temperature measurements | No requirements |  |  |  | X |  |  |  |  |
| 26.5.1.1. | General | Without change |  |  |  | X |  |  |  |  |
| 26.5.1.2 | Service temperature | Without change |  |  |  | X |  |  |  |  |
| 26.5.1.3 | Maximum surface temperature | Clarified the test voltage for maximum surface temperature | X |  |  |  |  |  |  |  |
| Relocation of EPL Da dust layer requirements from IEC 60079-18 & IEC 60079-31 | X |  |  |  |  |  |  |  |
| Relocation of EPL Db specified dust layer requirements from IEC 60079-31 | X |  |  |  |  |  |  |  |
| Added for EPL Db, a dust layer in a specified orientation, marked as TL |  | X |  |  |  |  |  |  |
| Clarified that for EPL Dc, the testing is conducted without a dust layer. | X |  |  |  |  |  |  |  |
| 26.5.2 | Thermal shock test | Without change |  |  |  | X |  |  |  |  |
| 26.5.3 | Small component ignition test | Without change |  |  |  | X |  |  |  |  |
| 26.6 | Torque test for bushings | No requirements |  |  |  | X |  |  |  |  |
| 26.6.1 | Test procedures | Without change |  |  |  | X |  |  |  |  |
| 26.6.2 | Acceptance criteria | Without change |  |  |  | X |  |  |  |  |
| 26.7 | Non-metallic enclosures or non-metallic parts of enclosures | No requirements |  |  |  | X |  |  |  |  |
| 26.7.1 | General | Without change |  |  |  | X |  |  |  |  |
| 26.7.2 | Test temperatures | Without change |  |  |  | X |  |  |  |  |
| 26.8 | Thermal endurance to heat  (Table 17) | Relocation of thermal endurance to heat 10K relaxation for Gc equipment from IEC 60079-15, IEC 60079-18, & IEC 60079-31 | X |  |  |  |  |  |  |  |
| 26.9 | Thermal endurance to cold | Without change |  |  |  | X |  |  |  |  |
| 26.10 | Resistance to light | Clarification of a consistent way to address elastomeric materials exposed to ultraviolet light | X |  |  |  |  |  |  |  |
| 26.11 | Resistance to chemical agents for group I equipment | Replacement of “oil No. 2” with the revised designation of “oil IRM 902” | X |  |  |  |  |  |  |  |
| 26.12 | Earth continuity | Without change |  |  |  | X |  |  |  |  |
| 26.13 | Surface resistance test | Option added for testing at lower voltages when low resistance materials are encountered |  | X |  |  |  |  |  |  |
| 26.14 | Measurement of capacitance | Without change |  |  |  | X |  |  |  |  |
| 26.15 | Verification of rating of ventilating fans | Without change |  |  |  | X |  |  |  |  |
| 26.16 | Alternative qualification of elastomeric O-ring | Without change |  |  |  | X |  |  |  |  |
| 26.17 | Transferred charge test | Transferred charge test added based on IEC TS 60079-32-2 |  | X |  |  |  |  |  |  |
|  | | | | | | | | | | |