# Contact information

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| **General** |
| Applicant |             |
| Contact person(s) |             |
| Address |       |
| Place |       |
| Country |       |
| Communication | Telephone:       | E-mail:       |

# Product specification

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| **General** |
| Manufacturer |       |
| Type / Model |       |
| **Standard classification** |
| Class | [ ]  PQI-A  | [ ]  PQI-S |
| Environmental application | [ ]  Indoor (I)  | [ ]  Outdoor (O) |
| Construction | [ ]  Fixed installed (F)  | [ ]  Portable (P) |
| EMC environment | [ ]  Harsh (H) | [ ]  General (G) |
| **Characteristics specification** |
| **Function** | **Measuring Range** | **Additional information** |
| *U*din [V] (for test) |       |       |
| *I*nom [A] (for test) |        |       |
| Max. rated input voltage [V] |       |       |
| Frequency [Hz] | [ ]  50 Hz [ ]  60 Hz |       |
| Ambient temperatureTesting states ET1 and ET3 are based on the rated range of operation (influence of temperature test) | From       °C to       °C | Rated range of operation |
| From       °C to       °C | Limit range of operation |
| Power Supply voltageTesting states EV1 and EV2 are based on specified power supply range | From       to       VAC |       |
| From       to       VDC |       |

# Test specification

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| **Test** |
| **According to IEC 62586-2 Ed 2 (2017)** | **Select Test** |
| **PQI-A** | **PQI-S** | **Functional tests** | **Test specification** | **PQI-A** | **PQI-S** |
| 6.1 | 7.1 | Power Frequency | [ ]  50 Hz [ ]  60 Hz | M [ ]  | M [ ]  |
| 6.2 | 7.2 | Magnitude of the supply voltage |  | M [ ]  | M [ ]  |
| 6.3 | 7.3 | Flicker | [ ]  F1 [ ]  F3[ ]  50 Hz [ ]  60 Hz[ ]  230 V [ ]  120 V | M [ ]  | O [ ]  |
| 6.4 | 7.4 | Supply voltage interruptions, dips and swells | [ ]  50 Hz [ ]  60 Hz | M [ ]  | M [ ]  |
| 6.5 | 7.5 | Supply voltage unbalance |  | M [ ]  | M [ ]  |
| 6.6 | 7.6 | Voltage harmonics |  | M [ ]  | O [ ]  |
| 6.7 | 7.7 | Voltage interharmonics |  | M [ ]  | O [ ]  |
| 6.8 | 7.8 | Mains signaling voltage on the supply voltage | [ ]  Method 1[ ]  Method 2 | M [ ]  | O [ ]  |
| 6.9 | 7.9 | Measuring of underdeviation and overdeviation |  | O [ ]  | O [ ]  |
| 6.10 | 7.10 | Flagging concept |  | m [ ]  | m [ ]  |
| 6.11 | 7.11 | Clock uncertainty testing |  | m [ ]  | m [ ]  |
| 6.12 | 7.12 | Variation due to external influence quantities | [ ]  50 Hz [ ]  60 Hz | m [ ]  | m [ ]  |
| 6.13 | 7.13 | Rapid voltage changes (RVC) |  | O [ ]  | O [ ]  |
| 6.14 | 7.14 | Magnitude of current |  | O [ ]  | O [ ]  |
| 6.15 | 7.15 | Harmonic current |  | O [ ]  | O [ ]  |
| 6.16 | 7.16 | Interharmonic currents |  | O [ ]  | O [ ]  |
| 6.17 | 7.17 | Current unbalance |  | O [ ]  | O [ ]  |
| 8 | Measurement uncertain |  | m [ ]  | m [ ]  |
| Operating uncertainty |  | m [ ]  | m [ ]  |
| **Additional tests according to IEC 61000-4-30 ed 3 (2015)** | **PQI-A** | **PQI-S** |
| 6 | Transient voltages IEC 61180 |  | O [ ]  | O [ ]  |
| Fast transients IEC61000-4-4 |  | O [ ]  | O [ ]  |
| NOTE M = mandatory functions according to EN 62586-1. Based on minimum functions definition in table 6 and 7 of EN 62586-1.  m = mandatory test 0 = optional function / test. When an optional function is embedded, it shall be tested and comply with the relevant requirements of IEC 61000-4-30.  Instruments intended to work with 50 Hz and 60 Hz must be tested for both 50 Hz and 60 Hz. |