Electro Materiales, S.L.U.
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# Data Sheet

| | |
|---|---|
| PROJECT No.: | |
| DATE: | 02/08/2018 |
| REV.: | 0 |
| DESIGNER | RPC/JJA/MAR |
| DOC No.: | 18801123-00 |

| No. | DESCRIPTION | OFFERED | REMARKS |
|---|---|---|---|
| **1** | **GENERAL** | | |
| 1.1 | Requisition Reference | - | |
| 1.2 | Quotation Reference | 18801123.00 | |
| 1.3 | Quotation Date | 02/08/2018 | |
| 1.4 | Workshop Location | Gijón (Spain) | |
| 1.5 | Delivery time | as per Commercial Conditions | |
| 1.6 | Delivery Type (INCOTERMS) | as per Commercial Conditions | |
| 1.7 | Equipment Tag | - | |
| 1.8 | Equipment QTY. | - | |
| **2** | **STANDARD DOCUMENTATION** | | |
| 2.1 | Mechanical Drawing | 18801123-01-1 REV 00 | |
| 2.2 | Wiring scheme | 18801123-02-1 REV 00 | |
| 2.3 | Nameplates Drawing | 18801123-03-1 REV 00 | |
| 2.4 | IOM Manual | 18801123-04-REV 00 | |
| 2.5 | Inspection and test plan | | Under request |
| 2.5 | Inspection certificates | acc.UNE EN 10204-3.1 | |
| **3** | **Workshop routine test** | | |
| 3.1 | Measurement of the ohmic value | | |
| 3.2 | Dielectric test under industrial frequency | Acc. IEC-60271-200/2005 | |
| 3.3 | Visual Inspection | | |
| 3.4 | IP degree verification | Acc. IEC-529 | |
| 3.5 | Documentation Language | English | |
| 3.6 | Measurement of insulation resistance | English | |
| **4** | **Type test** | | |
| 4.1 | Temperature rise test | Not Included | |
| 4.2 | Basic Impulse test | Not Included | |
| **5** | **SITE CONDITIONS** | | |
| 5.1 | Location | - | |
| 5.2 | Installation | Outdoor | |
| 5.3 | Altitude above sea level | <1000 m | |
| 5.4 | Max. Ambient Temperature (for design) | 40ºC | |
| 5.5 | Min. Ambient Temperature (for design) | -5ºC | |
| **6** | **CODES & STANDARDS** | | |
| 6.1 | Normative | IEC/IEEE std.32/EDF HN 64-S-50 | |
| **7** | **GENERAL SPECIFICATIONS** | | |
| 7.1 | ASSIGNED VALUES | | |
| | Rated Voltage | 0,18 KV | |
| | Insulation voltage | 0,72 KV | |
| | Industrial frequency test voltage | 3 KV - 1min | |
| | Impulse voltage test | N/A | |
| | Resistance value at ambient temperature (20ºC) | 9 Ω ± 10% | |
| | Frequency | N/A | |
| | Nominal Continuous Current (A) | 20 | |
| | Nominal Continuous Power (KW) | 3,7 | |
| | Maximum temperature rise (hot spot) | 350 ºC | |
| 7.2 | MAIN ENCLOSURE | | |
| | Ventilation | Natural air | |
| | Mechanical Protection | IP 13 | |
| | Housing | Galvanized Steel acc. EN 10327:2004 | |
| | Colour | RAL 5001 | |
| | Painting thickness | 35µm | |
| | Active part material | Al-Cr Alloy Chromium = 14%, Aluminium = 4 % | |
| | Active part elements | Wire Wounded over thermic ceramic insulators | |
| | Material resistivity (µΩcm²/cm at 20°C) | 111/113 | |
| | Temperature vs resistance coefficient (ºC^-1) | 0,000212 | |
| | Density (Kg/dm^3) | 7,2 | |
| | Melting temperature (ºC) | 1450 | |
| | Characteristics nameplate material | Aluminium | |
| | Ground stud on enclosure | M8 | |
| | Aprox. Weight | 10 Kg | |