



Electric Box

Technical Data

Electrical Properties

- Nominal Voltages – Un: 480Vac, 460Vac, 440Vac, 220Vac and 208Vac.
- Insulation voltage – Ui: 690Vac and 1000Vac – 1500Vdc.
- Impulse voltage – Uimp: ≤ 8kV.
- Rated Current – In: ≤ 630 A (as required).
- Short Circuit withstand current – Icc: ≤ 10kA.
- Number of Wires: 3F+N+T (5 Wires), 2F+N+T (4 Wires) and 1F+N+T (3 Wires).

Mechanical Properties

- Monolithic enclosure for wall mounting.
- Manufactured in galvanized or stainless steel sheet as appropriate, in 16 and 18 BWG gauges.
- Impact resistance: IK 10.
- Protection against liquid and solid particles: IP 44 and IP 66.
- Electrostatic paint coating, corrosion resistant, tested with 400 hours of salt spray and a minimum average of 60 microns applied.
- Paint colors: RAL 7035 (Standard), RAL 7032, ANSI 61, RAL 9002 or others (according to customer requirements).
- Provided with a mounting plate, thus offering support and stability.
- Installation of hexagonal or key lock depending on the size.

Applied Standards

- RETIE – Version 2013, Chapter 20.23.
- NTC 3444
- NTC 2050
- IEC 61439-1
- DIN 43671
- IEC 60890
- IEC 60865

Routine Testing

- Dielectric properties.
- Isolation and creepage distances.
- Checking the mechanical operation of components.
- Protective measures against direct contact.
- Verification of tightening torques.
- Verification of conductor pulling.
- Verification of paint thickness and adherence.

Certifications



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
BUREAU VERITAS
Certification



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