



CRE302453M50009

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T.S. N° : 2K6368 rev.A
Date : :20090828
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Approval : DT DQ
Sheet 1 of 2

TECHNICAL SPECIFICATION

THREE PHASE POWER-FACTOR CORRECTION CAPACITORS

Self-healing metallized dielectric capacitor, metallic casing,
resin filled, dry. Overpressure Disconnecter

CRT-E-116208-30-450

RATINGS, GENERAL CHARACTERIST.

Rated Capacitance Cn : 3 X 157,3 uF
Capacitance tolerance : +10-5%
Rated A.C.Voltage Urms (V) : 450.0
Rated Power Qn : 30 KVar
Rated Frequency (Hz) : 50 Hz
Peak voltage Us non repetitive : 1.300 V
Max Operating AC Voltage Umax : 495 V
Rated r.m.s current In : 38,5 A
Max operating current Imax : 50 A
Maximum peak current i : 3.800 A
Temperat.coeff.of capacitance : - 260 ppm /°C

TEST DATA

AC Test Between Terminals, 10s : 970 V
AC Test Between Term./case, 60s : 3000 V

ENVIRONMENTAL CHARACTERISTICS

Climatic Category: : T min = - 25 °C T max = + 55 °C
Storage temperature: : Ts min = - 55 °C Ts max = + 85 °C

RELIABILITY at MAX HOT SPOT

Max expected number failures :
per 10exp9 components hours : 500 fit
Expected life (Ln) : 100.000 h at 55°C hot spot

MECHANICAL CHARACTERISTICS

Case dimensions : : D. 116 H 208.0 mm
Fixing: : Stood M12 x 16 mm
Maximum torque (fixing) : 10 Nm
Case Material : Alluminium
Terminals : Terminals board connection
Maximum torque : 6 Nm
Approx weight : 2600 g
Creepage distance: : 19 mm
Clearance : 19 mm
Reference: : IEC EN60831 - 1 IECN60831 - 2
