



CRE3F2523M50061

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T.S. N° : 2K6180 rev.A
Date : :20080911
Signature : MC
Approval : DT DQ
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TECHNICAL SPECIFICATION

THREE PHASE POWER-FACTOR CORRECTION CAPACITORS

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

CRT-E-116283-37,5-525

RATINGS, GENERAL CHARACTERIST.

Rated Capacitance Cn : 3 X 144,4 uF
Capacitance tolerance : +10-5%
Rated A.C.Voltage Urms (V) : 525.0
Rated Power Qn : 37,5 KVar
Rated Frequency (Hz) : 50 Hz
Peak voltage Us non repetitive : 1.500 V
Max Operating AC Voltage Umax : 577,5 V
Rated r.m.s current In : 41,2 A
Max operating current Imax : 54 A
Maximum peak current i : 4.100 A
Temperat.coeff.of capacitance : - 260 ppm /°C

TEST DATA

AC Test Between Terminals, 10s : 1.130 V
AC Test Between Term./case, 60s : 2500 V

ENVIRONMENTAL CHARACTERISTICS

Climatic Category: :
Storage temperature: : T min = - 25 °C T max = + 55 °C
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 : :
Fixing: : D. 116 H 283.0 mm
Maximum torque (fixing) : Stood M12 x 16 mm
Case Material : 10 Nm
Terminals : Alluminium
Maximum torque : Terminals board connection
Approx weight : 6 Nm
Creepage distance: 3200 g
Clearance : 19 mm
Reference: 19 mm
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