

TEST REPORT

Short-Circuit Laboratory

TEST REPORT No. SC / 107257B

Page 1 of 14

Client : Reef Switchboard Manufacturers (Pty) Ltd, 278 Main Reef Rd, Boksburg North, South Africa
Manufacturer : Reef Switchboard Manufacturers (Pty) Ltd, 278 Main Reef Rd, Boksburg North, South Africa
Apparatus : Underground Mining Gulley Boxes

Designation : **Serial No.** :

Ratings assigned by the manufacturer:

Rated current : 225A
Short-time current and peak withstand current : 15 kA, 0.3s and 30 kA peak
Rated frequency : 50 Hz
Other characteristics listed on page : 2

Tests have been carried out strictly in accordance with:

IEC 61439-1:2011: Edition 2 / SANS 61439-1:2012 Ed. 2 and IEC 61439-2:2011 Edition 2 / SANS 61439-2:2012 Ed. 2.
Low-voltage switchgear and controlgear assemblies
Part 1: General rules
Part 2: Power switchgear and controlgear assemblies

Date of test(s): Period including 30 July 2013 to 25 September 2013

THE APPARATUS HAS COMPLIED WITH THE FOLLOWING SUB-CLAUSES OF IEC 61439-1:2011 EDITION 2

Part 1: Sub-clause 10.11- Short-circuit withstand strength
Part 1: Sub-clause 10.4-Clearances and creepage distances
Part 1: Sub-clause 10.9.3-Impulse withstand voltage
Part 1: Sub-clause 10.2.3.2-Glow wire 750°C
Part 1: Sub-clause 10.2.3.2-Effective earth continuity below 0.1Ω

Oscillogram(s) 7 DG3003, DG3004, DG3005, DG3006, DG3007, DG3008 & DG3009
Drawing(s) 6 As listed on page 14
Photograph(s) 12 As listed on page 13


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Specialist: Short-Circuit Project
Short-Circuit Laboratory
SABS Commercial SOC Ltd - NETFA
(Technical Signatory)


A.J. Greyling
Specialist
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Olifantsfontein, 27 September 2013

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