

NAMIBIAN STANDARD

NAMS/ESI 002: Ed 1.0 04-2021: NAMIBIA ELECTRICITY SUPPLY INDUSTRY DISTRIBUTION INFRASTRUCTURE STANDARD: Part B-06: Distribution Enclosures

This Namibian Standard has been developed within the Namibian Standards Institution (NSI)

Published by the Namibian Standards Institution (NSI)
Established by Section 2 of the Standard Act, 2005 (Act No 18 of 2005)
37 Feld Street
P.O. Box 26364 Windhoek, Namibia
Tel +264-61-386400, Fax +264-61-386454, Website: www.nsi.com.na
© NSI



Foreword

The Namibian Standards Institution (NSI) is the National Standards Body (NSB) responsible for coordinating all standardization and quality assurance activities in the country and represents Namibia at regional and international standardization bodies. The work of developing; adopting and amendment of National standards is normally carried out through NSI technical committees. Each organisation or individual interested in a subject for which a technical committee has been established has the right to be represented on that committee, being governmental and non-governmental organisations

Namibian standards are developed based on NSI Standards development procedures in accordance with the rules given in the International Organization for Standardisation/International Electro technical Commission (ISO/IEC) Directives 1, Procedures for TC work; ISO/IEC Guide 21-1 Adoption of international standards as regional or national standards and WTO – TBT World Trade Organisation code of Good Practice (which is published as Annex 3 in the TBT Agreement) I

The committee responsible for this document is the National Electrotechnical Committee (TC) on Electrotechnical related standards.

This edition NAMS/ESI 002: Ed 1.0 04-2021: Part B-06: Distribution Enclosures is a first edition developed.



TABLE OF CONTENTS

	<u>PAGE</u>
1 SCOPE	3
2 DISTRIBUTION KIOSKS AND ENCLOSURES	7
2.1 GENERAL.....	7
2.2 FLOOR-STANDING KIOSKS AND ENCLOSURES	7
3 POLE-MOUNTED DISTRIBUTION BOARDS AND STREET LIGHTING BOARDS	16
3.1 POLE MOUNTED BOX: BUNDLE BOX.....	17
3.2 POLE-MOUNTED BOX: 3CR12 STAINLESS STEEL OR MILD STEEL POWDER COATED ENCLOSURES	17
3.3 POLE-MOUNTED BOX: SPB1	17
3.4 POLE-MOUNTED BOX: POLYETHELENE ENCLOSURES	17
3.5 EARTHING	17
4 BUSBARS	18
4.1 MATERIAL.....	18
4.2 VOLTAGE RATING	18
4.3 CURRENT RATING.....	18
4.4 MOUNTING.....	18
4.5 NEUTRAL BUSBAR	18
4.6 STREET LIGHTING BUSBARS	19
4.7 BUSBAR CONNECTIONS	19
4.8 SCREWS, BOLTS AND NUTS.....	19
5 DISTRIBUTION CIRCUIT BREAKERS	20
5.1 CONNECTION	20
5.2 MOULDED CASE CIRCUIT BREAKERS	20
5.3 CIRCUIT BREAKER ACCESSORIES	21
6 SPECIFIC SUPPLY AUTHORITY REQUIREMENTS DUE TO CLIMATIC CONDITIONS OF THE COUNTRY.....	21