



Mining And Surface Certification (Pty) Ltd

(Pty) Ltd: 2015/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

| | | | |
|---|---|--|----------------------------|
| IA CERTIFICATE | MASC S/22-2367X | Issue | 0 |
| Issue Date | 21 November 2022 | Expiry Date | 21 November 2032 |
| Applicant | Electroflame (Pty) Ltd, 83 Brand Street, President Park, Midrand, South Africa | | |
| Manufacturer | Electroflame (Pty) Ltd, 83 Brand Street, President Park, Midrand, South Africa | | |
| Description (See "Annex A" below) | | | |
| Equipment | P23 Luminaire, 2Ft = 660mm 4Ft = 1270mm 5Ft = 1570mm | Type | **P23 SINGLE P23 DOUBLE |
| Photo | | | |
| MARKING: <i>Must be additionally applied to the equipment</i> | Applicant / Manufacturer Type Ex Marking IA Number Serial Number | Electroflame (Pty) Ltd P23 (as applicable type) Ex nA IIC T5 Gc Ex tb IIIC T85° Db IP65 MASC S/22-2367X See "Annex A" below | |
| WARNING(S) | "ISOLATE ELSEWHERE BEFORE OPENING THE COVER" | | |
| Compliance: | | | |
| The equipment as described above and in MASC report 22-2367 has been allocated the rating <u>Explosion Protected Ex nA IIC T5 Gc & Ex tb IIIC T85° Db IP65</u> utilizing the SANS/IEC Standards: <ul style="list-style-type: none"> SANS (IEC) 60079-0: 2019 General requirements SANS (IEC) 60079-15: 2010 Equipment protection by type of protection 'n' SANS (IEC) 60079-31: 2014 Equipment dust ignition protection by enclosure "t" ARP 0108: 2018 Regulatory requirements for explosion protected apparatus <i>Note: This certificate covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i> | | | |
| Special conditions of safe use X: | | | |
| <ul style="list-style-type: none"> See 'Annex A' below | | | |
| Conditions of manufacture: | | | |
| <ul style="list-style-type: none"> See "Annex A" below | | | |
| M. Erasmus TECHNICAL SPECIALIST | | F. van Wyk TECHNICAL SPECIALIST | |
| <p style="text-align: center;">This certificate only covers the sample submitted and does not cover production units.</p> <p>According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</p> | | | |



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act;

Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).



This certificate may only be reproduced in full
The certificate is not transferable and remains the property of the issuing body.

IA CERTIFICATE: MASC S/22-2367X
Equipment: P23 Luminaire 2Ft, 4Ft and 5Ft
(P23 SINGLE, P23 DOUBLE)

ANNEX A

| Description | Enclosure | Populated | Unpopulated |
|---|---|---|--|
| | | General | <p>The P23 Luminaire is manufactured by Electroflame.</p> <p>The unit consist of a non-metallic body with a non-metallic diffuser, retained to the body with securing clips. A continuous seal is situated between the body and diffuser to prevent the ingress of dust and moisture.</p> <p>The unit is populated with an E51 geartray, certified MASC S/18-0561X</p> <p>An option of two different types namely P23 SINGLE and P23 DOUBLE with each in 2Ft, 4Ft and 5Ft in length can be supplied.</p> |
| | Dimensions | <p>P23 SINGLE:</p> <ul style="list-style-type: none"> - 2Ft – 660mm x 100mm x 100mm - 4Ft – 1270mm x 100 x 100mm - 5Ft – 1570mm x 100mm x 100mm <p>P23 DOUBLE:</p> <ul style="list-style-type: none"> - 2Ft – 660mm x 160mm x 100mm - 4Ft – 1270mm x 160 x 100mm - 5Ft – 1570mm x 160mm x 100mm | |
| Standard compliance | See "certificate" above | | |
| Warnings | See "certificate" above | | |
| Conditions of Certification | | | |
| Special Conditions of safe use (X) | <ul style="list-style-type: none"> • All terminations should be done in an Ex manner • Provision shall be made for stress relief on the cable and cable gland at entry point on the body of the unit(s). • The equipment must be installed / protected to prevent the formation of undue layers of dust on the equipment. • The rating(s) of the unit(s) may not be exceeded. • The special conditions of the certified components/ equipment must be complied with (where applicable). • The installation of cable glands and blanking plugs shall be done in such a way that the IP65 rating is maintained. • Only suitably certified cable glands, plugs may be used. | | |
| Conditions of manufacture | <ul style="list-style-type: none"> • The seals of the unit must remain intact for the IP65 rating. • Any entries must be sealed in an Ex manner. | | |

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices

This document may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing body.
This document will not be supported by MASC for certification purposes outside the borders of South Africa.

Mining And Surface Certification (Pty) Ltd Reg No: 2015/021934/07
Directors: Roelof Viljoen & Francois du Toit
Unit #5, Lelyta Park, 45 Jurg Avenue, Hennospark Ext 87, Centurion, 0157
P.O. Box 14344, Clubview, 0014
Tel: 012 653 2959 ♦ Fax: 086 605 8568
e-mail: info@masc-ex.co.za