





(Pty) Ltd: 2015/021934/07

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

REGULATION 9 (1)	OF THE ELECTRICAL MACHINERY REG	IULATIONS OF THE O	CCUPATIONAL REALTH AND SAFETY ACT				
IA CERTIFICATE	MASC MS/21-9016X	Issue	0				
Issue Date	14 June 2021	Expiry Date	14 June 2031				
Applicant	Pratley Manufacturing (Pty) Limited						
	14 Jackson Street, Factoria, Krugersdorp, 1745, Gauteng, South Africa						
Manufacturer	Pratley Manufacturing (Pty) Limited						
	14 Jackson Street, Factoria, Krugersdorp, 1745, Gauteng, South Africa						
Description (See "Annex A" below)							
Equipment	Flameproof Envirobox N 1 x 4	Туре	Flameproof Envirobox No 1 x 4				
	Applicant / Manufacturer	Pratley Manufacturing (Pty) Limited					
	Туре	Refer to description					
	Ex Marking	Ex db I Mb					
		Ex db IIB + H2 T* Gb					
MARKING:		Ex tb IIIC T*°C Db					
Must be additionally		IP66/68 (300m)					
applied to the equipment		*Refer to table 3 below in description					
		-40°C to +55°C					
	IA Number	MASC MS/21-9016X					
	Serial Number	See "Annex A" below					
	Rating	As per description below					
WARNING(S)	As per conditions below						
Commission		·					

Compliance:

The equipment as described above and in report **ZA/ICS/ExTR21.0006/00** has been allocated the rating <u>Explosion Protected</u> <u>as above</u> utilizing the SANS/IEC Standards:

- SANS (IEC) 60079-0: 2019 General requirements
- SANS (IEC) 60079-1: 2015 Explosive atmospheres Part 1: Equipment protection by flameproof enclosures d
- SANS (IEC) 60079-31: 2014 Equipment dust ignition protection by enclosure "t"
- ARP 0108: 2018 Regulatory requirements for explosion protected apparatus

Special conditions of safe use X:

See "Annex A" below

Conditions of manufacture:

• See "Annex A" below

Wismond.

Terine Orsmond TECHNICAL OFFICER

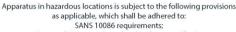
Regardt Zeelie
TECHNICAL SPECIALIST

This certificate only covers the sample submitted and does not cover production units.

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).

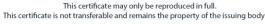
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Any conditions mentioned in the above certificate; Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;

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





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ANNEX A

Description	The Flameproof Envirobox serves as a junction box or enclosure to house small components within the defined limits of the schedule drawings and power dissipation table below. It is manufactured from Pratley glass-fibre reinforced thermoset plastic in a cylindrical shape with a diameter of 145mm and height of 102mm. The cable entry locations are orthogonally fitted in the curved sidewall and may consist of a M25, M20 or any other thread form and size (Metric or NPT) smaller than M25. The entry point locations are available in various quantities too. The lid is fitted with an elastomeric gasket and is fixed to the base with eight M6 x 1.0 x 30 SHCS (A2-70). There is a facility for the connection of an earthing or equipotential bonding conductor provided inside and with the provision for an optional external connection outside the main body by an earth connection arrangement. The certification details are shown below. Combinations of terminals and/or other components may be fitted, provided the maximum power dissipation does not exceed the maximum rated dissipated power in table 3 below. No energy storing electronics, cells, batteries or switch gear components may be fitted inside the enclosure.							
	Table 3 - Operating Temperatures							
		Temp Range:	-40 to 55C					
		Tamb [C]	T6	T5				
		T amb. [C]	Diss. Power [W]					
		40	2.22	4.04				
		45	1.62	3.44				
		50	1.01	2.83				
		55	0.4	2.22				
Standard compliance	See "certificate" above							
Warnings Conditions of C	See "certificate" above							
Special	No energy storing electronics, cells, batteries or switch gear components may be fitted inside the enclosure.							
Conditions of	Only suitably certified glands, adaptors, blanking plugs may be used in all apertures. All unused entries must be sealed							
safe use (X)	using suitably certified blanking elements							
	The internal power losses for the encl							
	Installation/supply cable must comply with suitable current rating as applicable, keeping in mind the deratings for							
	 ambient/service temperatures. Use only fasteners with grade (or higher) as per equipment description in the general product information. 							
Conditions of	None							
manufacture								

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