

Pratley Manufacturing (Pty) Ltd
P O Box 3055
KRUGERSDORP
1745

Page: 1 of 6

Expiry date: July 2024

IA CERTIFICATE: SABS S/14-228X

EZEE-FIT Boxes range (Size no's: 0, 1, 2, 3 and 4)

Description:

The Boxes range (Size no's: 0, 1, 2, 3 and 4) and the accessories were manufactured and supplied by Pratley Manufacturing (Pty) Ltd. They are suitable for use in Group II/IIIC areas (Places with a potentially explosive atmosphere, other than mines susceptible to firedamp) with ambient temperatures between -20°C and 40°C.

Each consisted of a main body of a 17% Glass fiber reinforced polyester dough moulding compound (manufactured and supplied by Pratley Polymers Manufacturing (Pty) Ltd in colours black, orange or grey and they can also be manufactured from DMC material. The lid was made of the same material or grade 2607 polycarbonate natural. The lid was fitted with a Nitrile rubber gasket (Nitrile rubber supplied by Pratley Polymers Manufacturing (Pty) Ltd) and secured to the base with four posi-drive cheese head grade 304 stainless steel screws.

The enclosures were equipped with integral glands manufactured from Q218HB Brass. The integral glands maintained the IP rating of the enclosure through the use of inner seals. Shrouds were also supplied to protect the armouring of the cable once fitted to the enclosure. The inner seals and shrouds were made of EPDM Rubber (manufactured and supplied by Pratley Polymers Manufacturing (Pty) Ltd.)

The enclosures were also supplied with reducing glands. The reducing glands were fitted with a gasket to maintain the IP rating of the boxes. The gasket was made of Polyamide 6.6 code XAO100LH.

The accessories were Ezee-Fit Compression Conversion Kits, Ezee-Fit Reducing Glands, Ezee-Fit Conduit Adaptors, Brass and Plastic Blanking Plugs and Shrouds, Ex e Kwik-Blok terminals or Ex n End-connectors and sleeves.

SABS COMMERCIAL SOC Ltd. Reg. No. 2000/013581/07

Directors: Mr CB Sibisi, Dr B Mehlohlakulu, Dr T Demana, Dr MJ Ellman, Mr WK Masvikwa, Ms B Mosako, Ms WIJ Poulton, Mr G Harris, Ms V Klein, Ms W de Witt (Company Secretary). Website: www.sabs.co.za E-mail: info@sabs.co.za Call Centre: 086 1277 227

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The boxes were available in the following configurations (can also be orange & grey):

2 WAY I TYPE BOX				
Size	Sold As	ENTRIES	Black Lid	Clear Lid
0	Ex BOX	M20	56022	56122
	IP 68 BOX	M20	56200	56201
1	Ex BOX	M20	56131	
		M25	56025	56125
	IP 68 BOX	M20	57626	
		M25	56206	56207
2	Ex BOX	M25	56135	
		M32	56028	56128
	IP 68 BOX	M25	57630	
		M32	56214	56215
3	Ex BOX	M32		
		M40	56031	56140
	IP 68 BOX	M32	57634	
		M40	56224	56225
4	Ex BOX	M40		
		M50	56034	56145
	IP 68 BOX	M40	57638	
		M50	56232	56233

3 WAY T TYPE BOX				
Size	Sold As	ENTRIES	Black Lid	Clear Lid
0	Ex BOX	M20	56023	56123
	IP 68 BOX	M20	56202	56203
1	Ex BOX	M20	56132	
		M25	56026	56126
	IP 68 BOX	M20	57627	
		M25	56208	56209
2	Ex BOX	M25	56136	
		M32	56029	56129
	IP 68 BOX	M25	57631	
		M32	56216	56217
3	Ex BOX	M32		
		M40	56032	56141
	IP 68 BOX	M32	57635	
		M40	56226	56227
4	Ex BOX	M40		
		M50	56035	56146
	IP 68 BOX	M40	57639	
		M50	56234	56235

3 WAY Y TYPE BOX				
Size	Sold As	ENTRIES	Black Lid	Clear Lid
0	Ex BOX	M20	56048	56049
	IP 68 BOX	M20	56197	56198
1	Ex BOX	M20	56134	
		M25	56053	74116
	IP 68 BOX	M20	57629	
		M25	56210	56211
2	Ex BOX	M25	56138	
		M32	56063	74126
	IP 68 BOX	M25	57633	
		M32	56218	56219
3	Ex BOX	M32		
		M40	56065	56143
	IP 68 BOX	M32	57637	
		M40	56228	56229
4	Ex BOX	M40		
		M50		
	IP 68 BOX	M40		
		M50		

4 WAY X TYPE BOX				
Size	Sold As	ENTRIES	Black Lid	Clear Lid
0	Ex BOX	M20	56024	56124
	IP 68 BOX	M20	56204	56205
1	Ex BOX	M20	56133	
		M25	56027	56127
	IP 68 BOX	M20	57628	
		M25	56212	56213
2	Ex BOX	M25	56137	
		M32	56030	56130
	IP 68 BOX	M25	57632	
		M32	56220	56221
3	Ex BOX	M32		
		M40	56033	56142
	IP 68 BOX	M32	57636	
		M40	56230	56231
4	Ex BOX	M40		
		M50	56036	56147
	IP 68 BOX	M40	57640	
		M50	56236	56237



4 WAY H TYPE BOX				
Size	Sold As	ENTRIES	Black Lid	Clear Lid
0	Ex BOX	M20		
	IP 68 BOX	M20		
1	Ex BOX	M20		
		M25	56054	56055
	IP 68 BOX	M20		
		M25	56238	56239
2	Ex BOX	M25	56139	
		M32	56064	56144
	IP 68 BOX	M25	57641	
		M32	56222	56223
3	Ex BOX	M32		
		M40		
	IP 68 BOX	M32		
		M40		
4	Ex BOX	M40		
		M50		
	IP 68 BOX	M40		
		M50		

Markings

The units shall additionally be marked and identified as follows:

For Size: No 0

Manufacture: Pratley

Type/Model: EZEE-FIT Box

Size: No 0

Serial No.: All serial number covered by batch examination or covered under SABS mark scheme

I.A No.: SABS S/14-228X

Ex e II T6 Gb

E nA II T6 Gb (Zone 1 and 2)

Ex t IIIC T85°C Da (Zone 20, 21 and 22)

IP66 rating or IP 68 (2m-cont)

Max Volts: 550V (for Ex e) or Max Volts: 800V (for Ex nA)

Max Amps: 15A (for Ex e) or Max Amps: 27A

Max Dissipated Power: 1.38W

Warning: Static Hazards clean with damp cloth.

For Size: No 1

Manufacture: Pratley

Type/Model: EZEE-FIT Box

Size: No 1

Serial No.: All serial number covered by batch examination or covered under SABS mark scheme

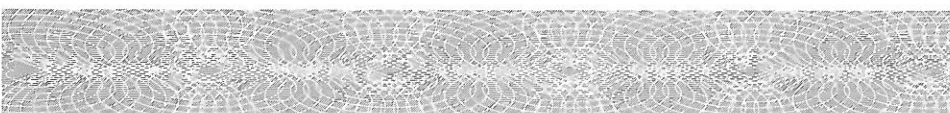
I.A No.: SABS S/14-228X

Ex e II T6 Gb

E nA II T6 Gb (Zone 1 and 2)

Ex t IIIC T85°C Da (Zone 20, 21 and 22)

IP66 rating or IP 68 (2m-cont)



Max Volts: 550V (for Ex e) or Max Volts: 800V (for Ex nA)

Max Amps: 21A (for Ex e) or Max Amps: 36A

Max Dissipated Power: 2.15W

Warning: Static Hazards clean with damp cloth.

For Size: No 2

Manufacture: Pratley

Type/Model: EZEE-FIT Box

Size: No 2

Serial No.: All serial number covered by batch examination or covered under SABS mark scheme

I.A No.: SABS S/14-228X

Ex e II T6 Gb

E nA II T6 Gb (Zone 1 and 2)

Ex t IIIC T85°C Da (Zone 20, 21 and 22)

IP66 rating or IP 68 (2m-cont)

Max Volts: 550V

Max Dissipated Power: 5.4W

Warning: Static Hazards clean with damp cloth.

For Size: No 3

Manufacture: Pratley

Type/Model: EZEE-FIT Box

Size: No 3

Serial No.: All serial number covered by batch examination or covered under SABS mark scheme

I.A No.: SABS S/14-228X

Ex e II T6 Gb

E nA II T6 Gb (Zone 1 and 2)

Ex t IIIC T85°C Da (Zone 20, 21 and 22)

IP66 rating or IP 68 (2m-cont)

Max Volts: 550V

Max Dissipated Power: 9.6W

Warning: Static Hazards clean with damp cloth.

For Size: No 4

Manufacture: Pratley

Type/Model: EZEE-FIT Box

Size: No 4

Serial No.: All serial number covered by batch examination or covered under SABS mark scheme

I.A No.: SABS S/14-228X

Ex e II T6

E nA II T6 (Zone 1 and 2)

Ex t IIIC T6 Da (Zone 20, 21 and 22)

IP66 rating or IP 68 (2m-cont)

Max Volts: 550V

Max Dissipated Power: 13.4W

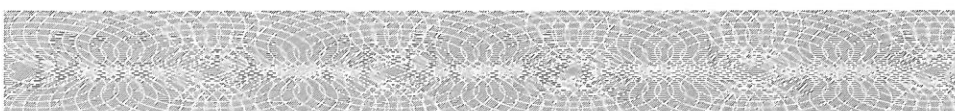
Warning: Static Hazards clean with damp cloth.

U - Incomplete assembly:

None

X - Special conditions of safe use:

- Warning static hazard - wipe with a damp cloth (only for orange, grey and polycarbonate lids).
- The unit must be used with Ex approved IP68 cable gland and blanking plugs.



Compliance: The unit as described above and tested/examined in Test Report No: **SABS 2335/14-228** is hereby certified "Explosion Protected", and is suitable for use in hazardous locations as stated below, as determined during tests and inspections conducted in accordance with the relevant requirements of SANS Standards: **SANS 60079 "Explosive atmospheres" Part-0: 2009 "Equipment - General requirements", Part-7: 2007 "Equipment protection by increased safety 'e'", Part-15: 2010 "Equipment protection by type of protection 'n'" and Part-31: 2009 "Equipment dust ignition protection by enclosure 't'".**

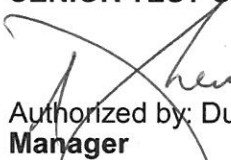
Locations	Zone 1,2/20, 21 & 22	Surfaces
Hazard Frequency		Intermittent as could occur under normal operating conditions in a hazardous area
Environment	Group II/IIIC	Hydrogen and Conductive dust
Limiting Temp	40°C	

The use of the apparatus in hazardous locations is subject to the following provisions, which shall be adhered to:

- i) SANS 10086 requirements;
- ii) Any relevant requirements of the MHS Act or the OHS Act;
- iii) Codes of Practice enforced in terms of Regulations 21.17.2 of the Minerals Act, by the Chief Inspector of Mines;
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines, Principal Inspector (Group I equipment) or Chief Inspector of Factories (Group II equipment);
- v) Any conditions mentioned in the above test report.


Evaluated by: TM Matsobe
SENIOR TEST OFFICER


Reviewed by: I Kekana
SENIOR TEST OFFICER


Authorized by: Duke Nene
Manager

EXPLOSION PREVENTION TECHNOLOGY

