



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 07ATEX3118X** Issue: **1**

4 Equipment: **Ezee Fit Junction Boxes**

5 Applicant: **Pratley Manufacturing (Pty) Limited**

6 Address: PO Box 3055
Kenmare
1745
South Africa

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2004 EN 61241-0:2006
EN 60079-7:2003 EN 61241-1:2004

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II G D
Ex e II T6
Ex tD A21 IP64T85°C

Project Number 3115

Signed: 

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 07ATEX3118X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The Ezee fit range of junction boxes are manufactured in either orange or black Polyester with a lid manufactured from the same material or in clear polycarbonate. The junction boxes have a circular shape, with cable entry locations in the curved sidewall. The entry points are available in various configurations. The lid is fitted with an elastomeric gasket and is fixed to the base with four screws.

Inside the enclosure, a terminal rail is fixed to the base with screws. Rail mounted certified terminals, either Weidmüller terminals or Kwikblok terminals are fitted to the rail between partitions and end stops. The certification details of the Weidmüller terminals are shown in Table 1 and the permitted Kwikblok types in Table 2, along with their voltage and current ratings.

Table 1:

Manufacturer	Terminal Type	Coded	Certificate Number
Weidmüller	Type WDU	EEx e II	KEMA 98ATEX1683U
Weidmüller	Type SAK K	Ex e II	IECEX SIR 05.0032U
Weidmüller	Type SAK R	Ex nA II	IECEX SIR 05.0033U
Weidmüller	Type SAK S3	Ex nA II	IECEX SIR 05.0034U
Weidmüller	Type BK	Ex e II	IECEX SIR 05.0035U
Weidmüller	Type MK 3	Ex e II	IECEX SIR 05.0036U
Weidmüller	Type MK 6	Ex e II	IECEX SIR 05.0037U
Weidmüller	Type AKZ	Ex e II	IECEX SIR 05.0038U
Weidmüller	Type WDU 2.5/TC	Ex e II	IECEX SIR 05.0039U
Weidmüller	Type WDU SL	Ex e II	IECEX SIR 05.0040U
Weidmüller	Type DK	Ex e II	IECEX SIR 05.0041U
Weidmüller	Type W Series	Ex e II	IECEX ULD 05.0008U
Weidmüller	Type Z Series	Ex e II	IECEX ULD 05.0009U
Weidmüller	Type SAK & EK	Ex e II	IECEX KEM 06.0014U
Weidmüller	Type PDU, PEI & PPE Series	Ex e II	IECEX KEM 05.0032U

The Kwikblok terminals accept conductor sizes and current ratings as follows:

Table 2:

Kwikblok Terminal type	Conductor size range	Maximum current (A)
IK3	0.5 to 4 mm ²	15
IK5	0.5 to 6 mm ²	21
IK10	0.5 to 10 mm ²	37
IK16	0.5 to 16 mm ²	47
IK25	10 to 25 mm ²	63
IK50	16 to 50 mm ²	98
IK70	25 to 95 mm ²	121



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Combinations of the terminals listed in Table 1 and 2 may be fitted, provided the maximum power dissipation in accordance with EN 60079-7 Annex E, E.2 does not exceed:

Junction Box Type	Maximum power
0	2.4 W
1	3.1 W
2	5.4 W
3	9.6 W
4	13.4 W

Suitably certified cable entry devices may be selected by the installer, or alternatively the entry locations may be fitted with Pratley gland accessories to form integral cable glands suitable for armoured or non-armoured cable. Stopping plugs and conduit adaptors may also be provided.

There is a facility for the connection of an earthing or equipotential bonding conductor provided inside the main body by either an earth terminal block from one of the ranges as detailed in Table 1 or 2 or a threaded brass insert embedded in the polyester.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	31 March 2008	R51E16192B	The release of the prime certificate.
1	15th October 2019	3115	<ul style="list-style-type: none">Transfer of certificate Sira 07ATEX3118X from Sira Certification Service to CSA Group Netherlands B.V..EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 When the junction boxes are manufactured from the orange polyester material or the clear polycarbonate lids are fitted, the equipment is marked: WARNING STATIC HAZARD CLEAN WITH A DAMP CLOTH. Refer to the instruction manual for further advice on how to clean the equipment safely and prevent Static charge build up.



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16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

Certificate Annexe



Certificate Number: Sira 07ATEX3118X
Equipment: Ezee Fit Junction Boxes
Applicant: Pratley Manufacturing (Pty) Limited

Issue 0

Drawing no:	Sheets	Rev	Date (Sira Stamp)	Description
1079 – 1084 & 1091	1 of 1	-	02 Nov 07	Harness
1300 – 1302 / 1053 – 1055 / 1003 – 1005 1328 – 1330 / 1336 – 1333 / 1374 - 1376	1 of 1	C	02 Nov 07	Ezee fit Ex e box
1302 – 1304 / 1316 – 1323	1 of 1	A	02 Nov 07	Harness
1303 – 1305 / 1060 – 1062 / 1332 – 1334 1340 – 1342 / 1377 - 1379	1 of 1	C	02 Nov 07	Ezee fit box
1312 / 1056 / 1032 / 1331 / 1339 / 1380	1 of 1	C	02 Nov 07	No: 1 Ex E/F
1313 / 1057 / 1034 / 1335 / 1343 / 1381	1 of 1	C	02 Nov 07	Ezee fit box No 2
1404 / 1058 / 1035 / 1405 / 1401 / 1393	1 of 1	A	02 Nov 07	Ezee fit box body No 2
1406 – 1408 / 1050 – 1052 / 1000 - 1002	1 of 1	B	02 Nov 07	Ezee fit Ex e box body No 0
1409 – 1411 / 1063 – 1065 / 1009 – 1011	1 of 1	B	02 Nov 07	Ezee fit Ex e box body No 0
1412 / 1059 / 1036 / 1450 / 1388 / 1392	1 of 1	B	02 Nov 07	Ezee fit box body Black No 3
1454 – 1456 / 1413 – 1415 / 1056 – 1058 1012 – 1014 / 1363 – 1365 / 1394 - 1396	1 of 1	B	02 Nov 07	Ezee fit Ex e box body No 4
2028 – 2032	1 of 1	C	02 Nov 07	Compression nuts
2252	1 of 1	C	02 Nov 07	Gasket for Size 0
2253	1 of 1	C	02 Nov 07	Gasket for Size 1
2254	1 of 1	C	02 Nov 07	Gasket for Size 2
2255	1 of 1	B	02 Nov 07	Gasket for Size 3
2256	1 of 1	B	02 Nov 07	Gasket for Size 4
2259 - 2267	1 of 1	C	02 Nov 07	Inner Seals
2340 2344	1 of 1	C	02 Nov 07	Inserts for Ezee fit boxes
2370 & 2375 & 1416	1 of 1	E	02 Nov 07	DMC Lid for Size 0
2371	1 of 1	E	02 Nov 07	Lids for No 1
2372	1 of 1	C	02 Nov 07	Lids for No 2
2373	1 of 1	B	02 Nov 07	Lids for No 3
2374	1 of 1	B	02 Nov 07	Lids for No 4
2721-2724	1 of 1	B	02 Nov 07	Terminal rails
2965 & 2966	1 of 1	A	02 Nov 07	Polycarbonate lid
3487	1 of 1	-	02 Nov 07	Marking of Ezee fit Box covers
3135	1 of 1	D	02 Nov 07	Cone bush
3145 – 3180 / 2314 - 2318	1 of 1	C	02 Nov 07	Compression rings
8658, 8659, 8661 & 8671	1 of 1	A	02 Nov 07	Earth Terminal
57002 – 57004 / 57202 – 57204 57502 – 57504 / 57402 - 57404	1 of 1	B	02 Nov 07	No 0 Box assemblies
73016 / 73026 / 73036 / 73028 / 73116 73126 / 73136 / 73128	1 of 1	A	02 Nov 07	Assemblies for armoured cables
Ex 0498	2 of 2	-	02 Nov 07	Cone bush
Ex 0995	1 of 1	-	02 Nov 07	I.K. Terminals
Ex 0997	1 of 1	-	02 Nov 07	IW 2 End plate for Kwik-Blok
Ex 0998	1 of 1	-	02 Nov 07	IW 4 End plate for Kwik-Blok
Ex 0999	1 of 1	-	02 Nov 07	IW 16 End plate for Kwik-Blok
Ex 1000	1 of 1	-	02 Nov 07	IW 50 End plate for Kwik-Blok
Ex 1001	1 of 1	-	02 Nov 07	End clamp for Kwik-Blok
Ex 1002	1 of 1	-	02 Nov 07	Bridging bar for I.K.
Ex 1005	1 of 1	-	02 Nov 07	GRIPILOK holders
Ex 1006	1 of 1	-	02 Nov 07	Spring loaded GRIPILOK
Ex 1107	1 of 1	-	02 Nov 07	Ex e Terminals for Ezee fit boxes
Ex 1118	1 of 1	-	02 Nov 07	Brass insert

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Certificate Annexe



Certificate Number: Sira 07ATEX3118X
Equipment: Ezee Fit Junction Boxes
Applicant: Pratley Manufacturing (Pty) Limited

Drawing no:	Sheets	Rev	Date (Sira Stamp)	Description
Ex 1156	1 of 1	-	02 Nov 07	Assembly of Ezee fit gland

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