



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 04ATEX3230** Issue: **1**

4 Equipment: **EZEE-FIT Range of Junction Boxes**

5 Applicant: **Pratley Manufacturing and Engineering (Pty) Ltd.**

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 50014:1997 (A1 and A2)
EN 50019:2000
EN 50281-1-1:1998

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 2 G D
EEx e II T6

Project Number 3555

Signed: 

Title: Director of Operations

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



SCHEDULE

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Issue 1

13 DESCRIPTION OF EQUIPMENT

The EZEE-FIT Range of Junction boxes are general purpose junction boxes rated for use with rail mounted Kwikblok terminals up to 550 V.

The junction boxes are manufactured in orange, grey or black polyester with a lid manufactured from the same material or clear polycarbonate. The junction boxes have a circular shape, with cable entry locations in the curved side wall. 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 Kwikblok terminals are fitted to the rail between partitions and end stops. The types permitted, their voltage and current ratings are given in the table below.

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.

An earth terminal is provided in the base of the enclosure. This is in electrical contact with metallic cable glands, if fitted, via a link embedded in the polyester to the threaded brass insert in the cable entry.

The following numbers of terminals, at the maximum current specified per terminal, are permitted for T6 temperature class:

Junction Box Type	Kwikblok Type IK3 Max 550 V, 15 A	Kwikblok Type IK5 Max 550 V, 21 A	Kwikblok Type IK10 Max 550 V, 37 A	Kwikblok Type IK16 Max 550 V, 40 A	Kwikblok Type IK25 Max 550 V, 63 A
0	10	-	-	-	-
1	11	10	-	-	-
2	17	14	11	8	-
3	24	20	16	12	8
4	25	22	16	13	9

Alternatively, combinations of these terminals or those listed below may be fitted, provided the maximum power dissipation in accordance with EN 50019:2000 Annex C, C.2 does not exceed:

Junction Box Type	Maximum power
0	1.38 W
1	2.15 W
2	3.67 W
3	4.00 W
4	5.5 W



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

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

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	6 th September 2004	R53A9321A	<ul style="list-style-type: none"> The release of the prime certificate.
1	15 th October 2019	3555	<ul style="list-style-type: none"> Transfer of certificate Sira 04ATEX3230 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. <i>(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.)</i>

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

None

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.

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Utrechtseweg 310,
6812 AR, Arnhem Netherlands

Certificate Annexe



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Equipment: EZEE-FIT Range of Junction Boxes

Applicant: Pratley Manufacturing and Engineering (Pty) Ltd.

Issue 0

Drawing No.	Sheet	Rev.	Date	Title
2961	1 of 1	-	Mar 01	Optional polycarbonate lids
2962	1 of 1	2	Jun 01	Optional polycarbonate lids
2371	1 of 1	D	Apr 01	Lids for No.1 boxes
2372	1 of 1	C	Jun 01	Lids for No 2 boxes
56025 – 56027 & 56028 – 56030	1 of 1	A	Jan 96	No 1 and 2 box assemblies
56134/56138 & 56139	1 of 1	-	Oct 97	No 1 & 2 Y and H reduced entry assemblies
56125 - 56130	1 of 1	A	Jan 95	No 1 & 2 box assemblies for armoured cable /PC lids
57512-57514 57522-57524 57412-57414 57422-57424	1 of 1	-	Sept 97	No 1 & 2 assmblies armoured cable DMC/PC lids
57602-57604 57606-57608	1 of 1	-	Sept 97	No 1&2 assemblies for armoured cable reduced entries DMC
56131-56133 56135-56137	1 of 1	-	Sept 97	No 1&2 assemblies for armoured cable reduced entries DMC
56053, 56063 56064, 74116 74126	1 of 1	A	Jan 96	No 1 & 2 Y and 2 H entries assemblies for armoured cables
73516, 73526 73536, 73528 73316, 73326 73336, 73329	1 of 1	-	Jun 95	No 1, 2 & 3 Y and 2H entry for armoured cables
57605, 57609 57613, 57617	1 of 1	-	Oct 97	No 1, 2 & 3 Y and 2H entry for armoured cables
1056	1 of 1	C	15 Aug 97	No 1 box body
1331	1 of 1	-	Jul 98	No 1 parallel entry (reduced)
1057	1 of 1	B	May 04	No 2 box Y entry
1060-1062	1 of 1	A	Mar 00	No 2 body orange DMC
1053-1055	1 of 1	C	15 aug 97	No 1 body orange DMC
1401	1 of 1	-	Jun 99	No2 body x 4 parallel entries
1343	1 of 1	-	Mar 00	No 2 body Y entry
1340-1342	1 of 1	A	Mar 00	No 2 body reduced entry x 2
1339	1 of 1	-	Mar 00	No 1 body Y entry
1336-1338	1 of 1	-	Mar 00	No 1 body reduced entry x 2
1382-1384 1316-1323	1 of 1	A	Oct 97	Harness for No 1 & 2 box
1344-1351	1 of 1	-	Apr 00	Harness for reduced entry boxes No 1 & No 2
1397	1 of 1	-	Apr 00	Harness for H type reduced entry Box No 2
1398	1 of 1	-	Apr 00	Harness for H type box No 2
2857-2858	1 of 1	C	Jan 04	Nylon insert for cover screws

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Drawing No.	Sheet	Rev.	Date	Title
1363-1365	1 of 1	A	Feb 00	Box No4 Orange DMC reduced entry
1058	1 of 1	A	Jun 99	No2 x 4 parallel entries
57610-57612 57614-57616	1 of 1	-	Oct 97	No 3 & 4 boxes orange with reduced entry
57002-57004 57202-57204 57502-57504 57402-57404	1 of 1	B	May 04	No 0box assemblies for armoured cables
1360-1362	1 of 1	-	Feb 00	Box No 3 with reduced entry
57532-57534 57432-57434 57542-57544 57442-57444	1 of 1	-	Oct 97	No 3 & 4 box assemblies PC lids
1050-1052	1 of 1	B	Apr 00	Body No 0 orange
1063-1065	1 of 1	A	Feb 00	Box No 3
1066-1068	1 of 1	A	Feb 00	Box No 4
2370 & 2375	1 of 1	D	Apr 01	DMC lid for No 0 Box
2255	1 of 1	B	Oct 03	Gasket for No 3 cover
2256	1 of 1	B	Oct 03	Gasket for No 4 cover
2252	1 of 1	C	Oct 03	Gasket for No 0 cover
3091	1 of 1	-	Jul 00	Polycarbonate lid for No 3 box
2965	1 of 1	A	Jul 00	Polycarbonate lids for No 3 & 4 boxes
2373	1 of 1	A	Jul 00	Lids for No 3 boxes
2374	1 of 1	A	Jul 00	Lids for No 4 boxes
1079-1084, 1091	1 of 1	-	Oct 97	Harness for No 3 & 4 boxes
1366-1372	1 of 1	-	Apr 00	Harness for No 3 & 4 boxes
1059	1 of 1	A	Mar 00	Body No 3 x 3 way parallel entry
1388	1 of 1	-	Mar 00	Body No 3 x 3 way reduced entry
8658, 8659, 8661 & 8666	1 of 1	A	Mar 00	Earth terminal
2340-2344 & 3445	1 of 1	B	Oct 00	Cable entry inserts
2254	1 of 1	C	Oct 03	Gasket for No 2 cover
2253	1 of 1	C	Oct 03	Gasket for No 1 cover
3135	1 of 1	D	Oct 02	Cone bush
2259	1 of 1	C	Oct 03	Inner seals
2314-2318	1 of 1	-	Oct 99	Compression rings
58100	1 of 1	A	Sept 00	Reducer gland assembly
61080	1 of 1	A	Jun 99	Plugs
68101	1 of 1	A	Feb 01	Conduit adaptors
62001	1 of 1	A	Aug 99	Conversion kit assembly
57800-57802	1 of 1	A	May 99	Blanking plugs
2721-2724	1 of 1	B	May 04	Terminal rail
2028-2032	1 of 1	A	Oct 99	Compression nuts
EX1000	1 of 1	-	Aug 04	IW 50 end plate for Kwikblok terminal

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Drawing No.	Sheet	Rev.	Date	Title
EX1001	1 of 1	-	Aug 04	SK35 end clamp
EX1002	1 of 1	-	Aug 04	Bridging bar
EX1005	1 of 1	-	Aug 04	Griplok holders
EX1006	1 of 1	-	Aug 04	Spring shoe
EX0995	1 of 1	-	Aug 04	IK terminals
EX0997	1 of 1	-	18 Aug 04	IW2 end plate
EX1010	1 of 1	-	Aug 04	Rating list
EX0998	1 of 1	-	Aug 04	IW4 end plate
EX0999	1 of 1	-	Aug 04	IW16 end plate
1036	1 of 1	A	Mar 00	Grey body No 3
1392	1 of 1	-	Mar 00	Grey body No 3
1003-1005	1 of 1	C	15 Aug 92	Grey body No 1
1006-1008	1 of 1	A	Mar 00	Grey Body No 2
1012-1014	1 of 1	A	Feb 00	Grey body No 4
1034	1 of 1	A	Mar 00	Grey body No 2
1035	1 of 1	A	Jun 99	Grey body No 2
1303-1305	1 of 1	A	Jun 96	Black body No 2
1032	1 of 1	C	15 Aug 97	Grey body No 1
1328-1330	1 of 1	-	Apr 97	Black body No 1
1405	1 of 1	-	Jun 99	Black body No 2
1332-1334	1 of 1	-	Jun 96	Black body N0 2
1389-1391	1 of 1	-	Feb 00	Grey body No 3
1335	1 of 1	A	Mar 00	Black body No 2
1381	1 of 1	-	Mar 00	Grey body No 2
1393	1 of 1	-	Jun 99	Grey body No 2
1377-1379	1 of 1	-	Mar 00	Grey body No 2
1380	1 of 1	-	Mar 00	Grey body No 1
1300-1302	1 of 1	A	Apr 97	Black body No 1
57012-57014 57022-57024 57212-57214 57222-57224	1 of 1	-	Sept 97	No 1 & 2 box assemblies
57626-57628 57630-57632	1 of 1	-	Sept 97	No 1 & 2 Box assemblies
1009-1011	1 of 1	A	Feb 00	Grey body No 3
1312	1 of 1	A	Jul 98	Black body No 1
1000-1002	1 of 1	B	Apr 00	Grey body No 1
1313	1 of 1	A	Mar 00	Black body No 2
1404	1 of 1	-	Jun 99	Black body No 2
1374-1376	1 of 1	-	Mar 00	Grey body No 1

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73016, 73026, 73036, 73028, 73116, 73126, 73136, 73128	1 of 1	-	Jun 95	Box assemblies No 1,2,3 grey
57629, 57633, 57637, 57641	1 of 1	-	Oct 97	No 1,2,3 box assemblies, grey
57634, 57636, 57630, 57640	1 of 1	-	Oct 97	No 3 & 4 box assemblies grey
57032-57034 57232-57234 57042-57044 57242-57244	1 of 1	-	Oct 97	No 3 & 4 box assemblies, grey

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