

DRAWING No.
CP298
ISSUE No.
2



CERTIFICATE RELATED DRAWING

NO MODIFICATIONS PERMITTED
WITHOUT THE APPROVAL OF
THE TECHNICAL MANAGER

DO NOT SCALE

DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE $\mu m Ra 3.2$
MACHINE WHERE MARKED THUS ✓

DIMENSIONAL TOLERANCES
UNLESS OTHERWISE STATED

TEST No.	PROCESS No.

DRAWN	AER
DATE	30/9/05
CHECKED	30/9/05 AER
APPROVED	30/9/05 AER
SCALE	1:4

DRAWING No.
SHEET 1 OF 6
CP298
ISSUE No.
2

LOCATION DOWEL.

TYPE A43SCB BOLTED PLUG COUPLER.
Baseefa09ATEX0122X
IECEX BAS 09.0049X

TYPE A43SB BOLTED SOCKET.
Baseefa09ATEX0121U
IECEX BAS 09.0048U

TYPE A43PB BOLTED PLUG.
Baseefa09ATEX0121U
IECEX BAS 09.0048U

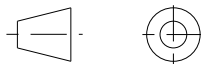
ENCLOSURE AND FASTENER NOTES.
THE MATING HOLES IN THE ASSOCIATED ENCLOSURE SHOULD
BE THREADED IN ACCORDANCE WITH CLAUSE 9.3 OF EN50014:1997
(EN60079-1:2004 CLAUSE 11).
ANY ASSOCIATED FASTENERS USED WITH THESE SOCKETS SHOULD
IN ACCORDANCE WITH EN50014:1997 CLAUSE 9.2
(EN60079-1:2004 CLAUSE 11).

DETAILS OF TYPE A43 RANGE.

Victor

Victor Products Limited
New York Way,
Newcastle upon Tyne,
NE27 0QF, United Kingdom.

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CP298	1



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DO NOT SCALE

DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE $\mu m Ra$ 3.2
MACHINE WHERE MARKED THUS ☒

ANGULAR TOLERANCES $\pm 1/2^\circ$

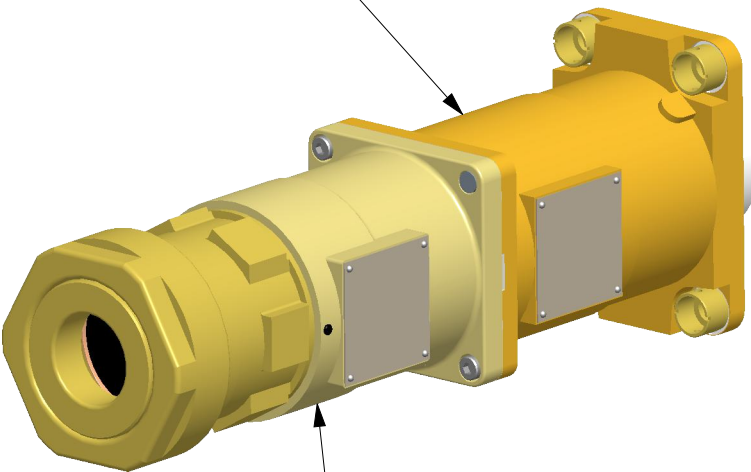
DIMENSIONAL TOLERANCES
UNLESS OTHERWISE STATED

UPTO 6	± 0.1
OVER 6 UPTO 30	± 0.2
OVER 30 UPTO 100	± 0.3
OVER 100 UPTO 300	± 0.5
OVER 300	± 0.8

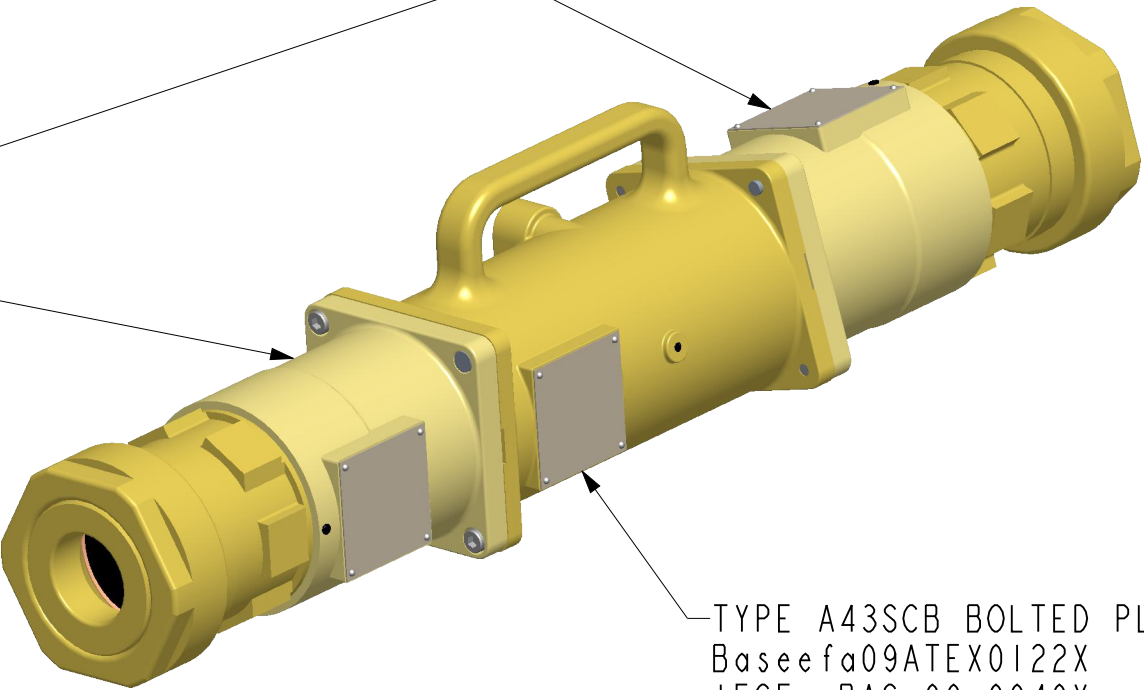
TEST No.	PROCESS No.
200	- - -
DRAWN	AER
DATE	4/7/11
CHECKED	4/7/11 AER
APPROVED	4/7/11 AER
SCALE	1:1

DRAWING No.	ISSUE No.
SHEET 2 OF 6	
CP298	1

TYPE A43SB BOLTED SOCKET.
Baseefa09ATEX012IU
IECEX BAS 09.0048U



TYPE A43PB BOLTED PLUGS.
Baseefa09ATEX012IU
IECEX BAS 09.0048U



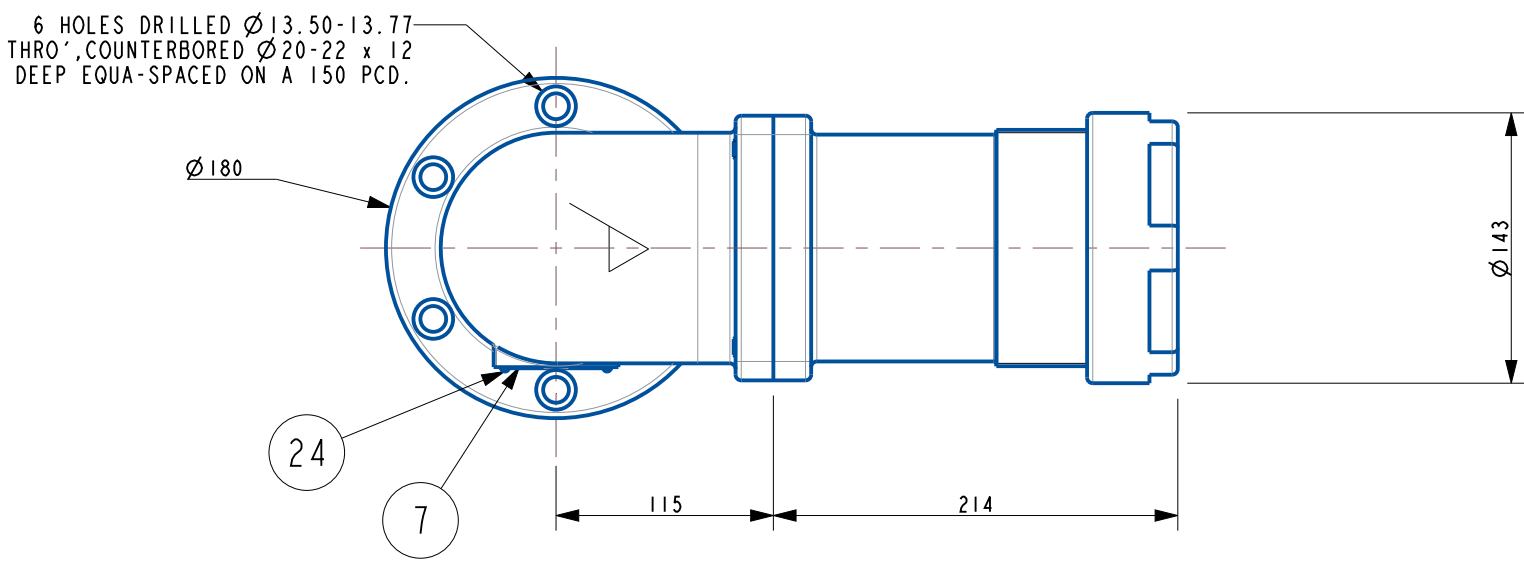
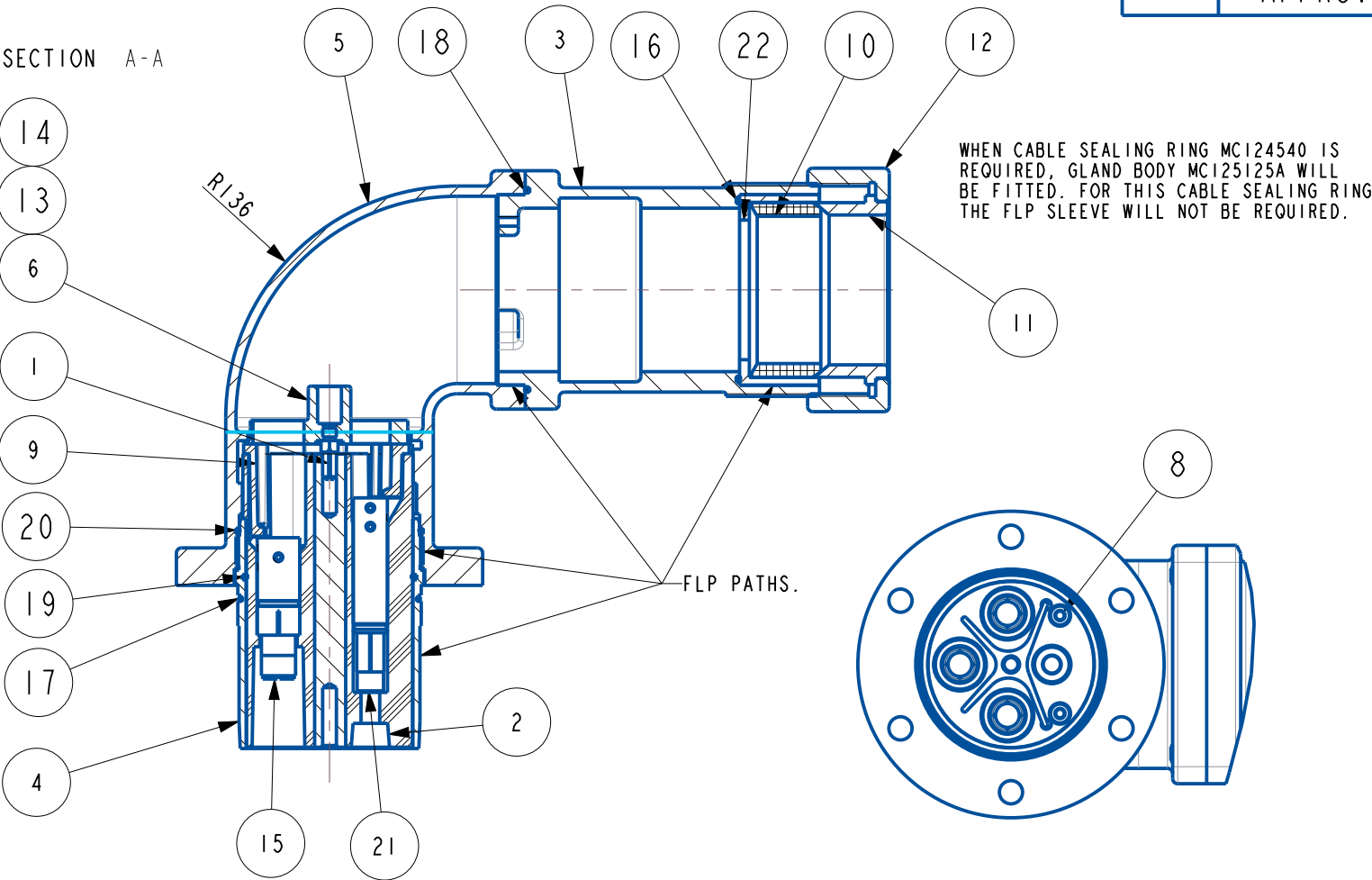
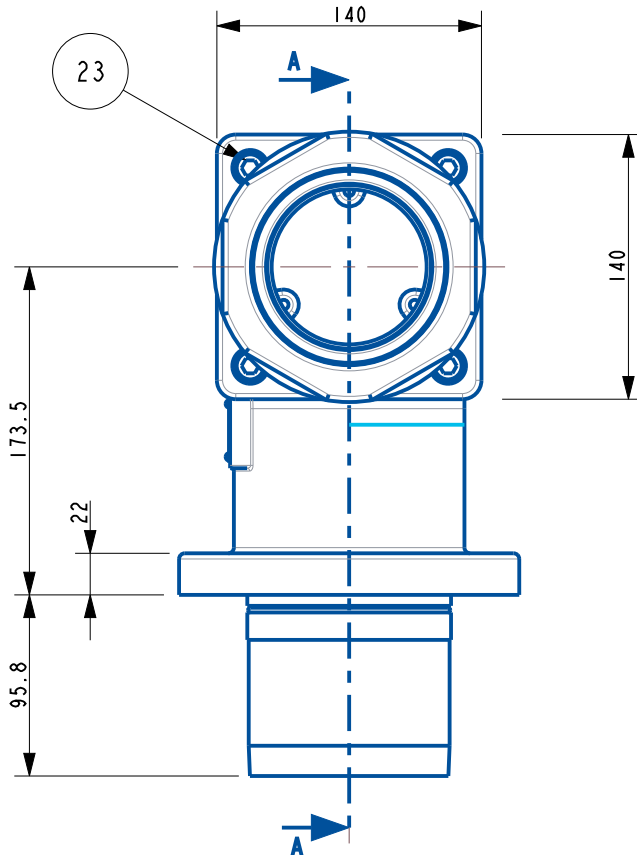
TYPE A43SCB BOLTED PLUG COUPLER.
Baseefa09ATEX0122X
IECEX BAS 09.0049X

DCR	DRN	4/7/11	AER		
CHK	4/7/11	AER	APP	4/7/11	AER

DRAWING UPDATED.
NOW 5 SHEETS.

DETAILS OF ASSEMBLED ITEMS OF
A43 CONNECTOR RANGE.

Victor Victor Products Limited
New York Way,
Newcastle upon Tyne,
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TYPE A43RAPB BOLTED PLUG.
Baseefa09ATEX012IU
IECEX BAS 09.0048U

WHEN ORDERING, PLEASE ENSURE THE FOLLOWING MINIMUM CABLE INFORMATION IS SUPPLIED.
OUTSIDE DIAMETER OF CABLE IN mm.
THE SIZE IN mm² for the MAINS, PILOT AND AUXILIARY CONDUCTORS, NUMBER OF CORES ALONG WITH TYPE OF TERMINATION REQUIRED.

REF. No.	ITEM No.	DESCRIPTION	No. OFF
1	I24543	A43 EARTH PIN	1
2	I24563	A43 PLUG INSULATOR	1
3	I25125	A43RA GLAND BODY	1
4	I25126	A43RA PLUG BARREL	1
5	I25123	A43RA PLUG BODY	1
6	I25131	A43RA PLUG EARTH PLATE.	1
7	I25202	A43RAPB NAMEPLATE	1
8	924529	AUXILARY CONTACT TUBE ASSY	2
9	I24565	BACKUP INSULATOR	1
10	I24539	CABLE SEALING RING	1
11	I24518C	CLAMP CONE	1
12	I24550	GLAND NUT	1
13	228029	GRUBSCREW M6 - FLAT POINT	2
14	228065	GRUBSCREW M8 - FLAT POINT	4
15	924609-	MAINS CONTACT PIN ASSEMBLY	3
16	I24578	O RING	1
17	I25132	O RING	1
18	I25133	O RING	1
19	I25134	O RING	1
20	I25141	O RING	1
21	924612-	PILOT CONTACT TUBE - GRUBSCREW.	1
22	I25138-	SLEEVE FOR TYPE A43PB	1
23	218190X	SOCKET HEAD CAP SCREW - M10 X 30 LONG	4
24	GP224056S	HAMMER DRIVE SCREW	4

DRAWING No.	ISSUE No.
CP298	2

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DO NOT SCALE

DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE um Ra 3.2
MACHINE WHERE MARKED THUS ✓
ANGULAR TOLERANCES ±1/2°
DIMENSIONAL TOLERANCES UNLESS OTHERWISE STATED
UPTO 6 ±0.1
OVER 6 UPTO 30 ±0.2
OVER 30 UPTO 100 ±0.3
OVER 100 UPTO 300 ±0.5
OVER 300 ±0.8

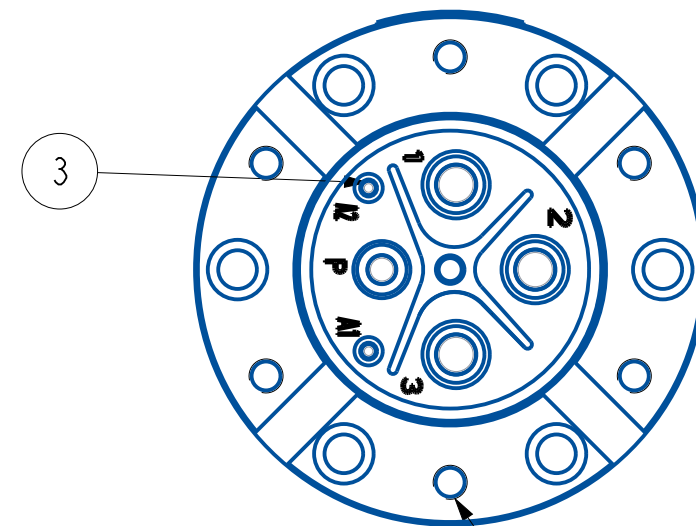
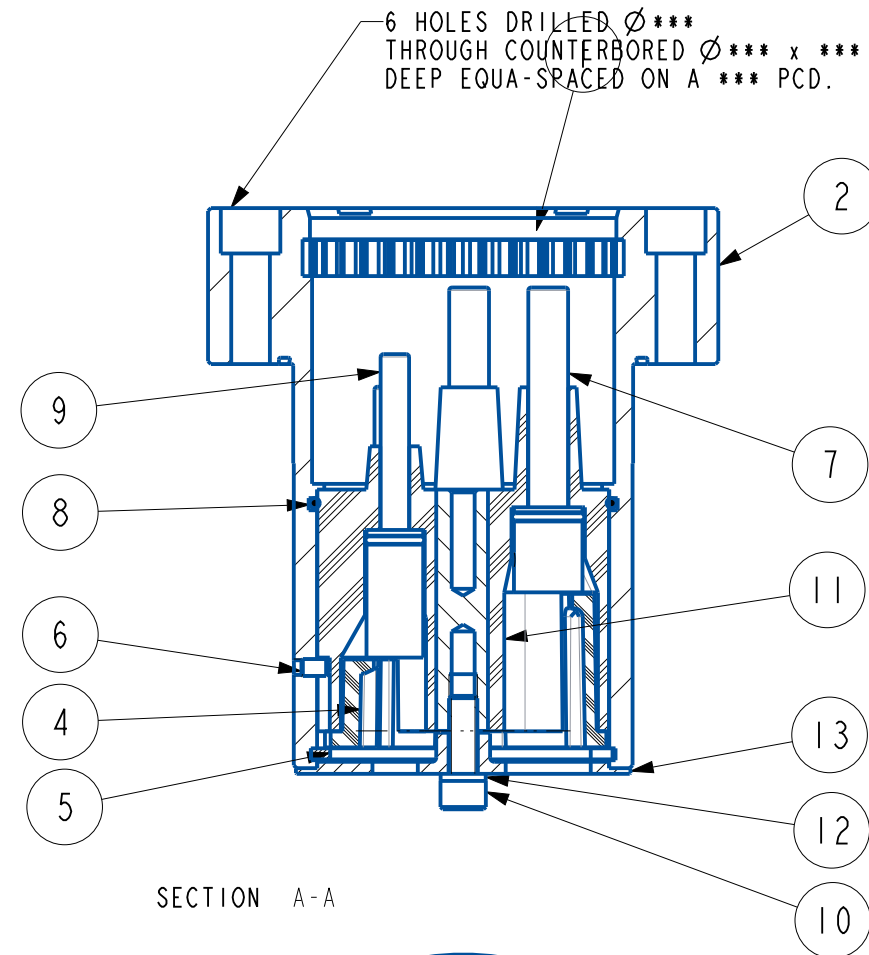
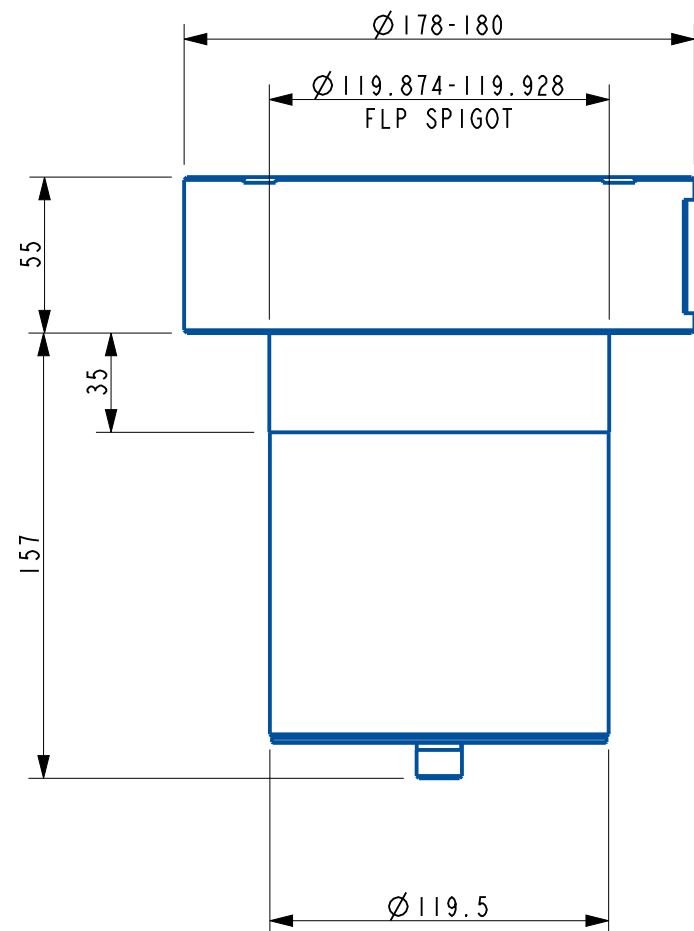
TEST No.	PROCESS No.
200	- - -
DRAWN	AER
DATE	4/7/11
CHECKED	4/7/11 AER
APPROVED	4/7/11 AER
SCALE	1:1

1	DCR	DRN	4/7/11	AER	2	DCR	DRN	16/8/12	AER
	CHK	4/7/11	AER	APP		CHK	16/8/12	AER	APP
DRAWING UPDATED. NOW 4 SHEETS.					DRAWING UPDATED. NOW 5 SHEETS				

DETAILS OF A43RAPB BOLTED PLUG.

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DRAWING No.	ISSUE No.
SHEET 3 OF 6	
CP298	2

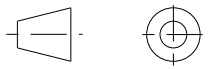


TYPE A43RASB BOLTED SOCKET.
Baseefa09ATEX012IU
IECEX BAS 09.0048U

6 HOLES DRILLED $\varnothing$ *** THROUGH,
TAPPED M *** x *** MIN. DEPTH
EQUA-SPACED ON A *** PCD.

REF. No.	ITEM No.	DESCRIPTION	No. OFF
1	125201-	A43RASB NAMEPLATE - SEE VARIANT TABLE	1
2	125130-	A43RASB SOCKET BODY - SEE VARIANT TABLE	1
3	924525	AUXILLIARY CONTACT PIN ASSEMBLY	2
4	124565	BACKUP INSULATOR	1
5	125128	CIRCLIP	1
6	228029	GRUBSCREW M6 - FLAT POINT	1
7	924611-	MAINS CONTACT PIN ASSEMBLY - SEE NOTE 4.	3
8	124579	O RING	1
9	924526	PILOT CONTACT PIN ASSEMBLY	1
10	218190X	SOCKET HEAD CAP SCREW - M10 X 30 LONG	1
11	124564E	SOCKET INSULATOR - MACHINED	1
12	256009S	SPRING WASHER - 10 I.D	1
13	125129	TYPE A43RASB SOCKET EARTH PLATE	1

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DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE $\mu\text{m Ra}$ 3.2
MACHINE WHERE MARKED THUS 

ANGULAR TOLERANCES $\pm 1/2^\circ$

DIMENSIONAL TOLERANCES UNLESS OTHERWISE STATED	
UPTO 6	± 0.1
OVER 6 UPTO 30	± 0.2
OVER 30 UPTO 100	± 0.3
OVER 100 UPTO 300	± 0.5
OVER 300	± 0.8

TEST No.	PROCESS No.
200	- - -
DRAWN	AER
DATE	4/7/11
CHECKED	4/7/11 AER
APPROVED	4/7/11 AER
SCALE	1 : 4

DRAWING No.	ISSUE
SHEET 4 OF 6	No.
CP298	1

I		DCR		DRN	4/7/11	AER
	CHK	4/7/11	AER	APP	4/7/11	AER

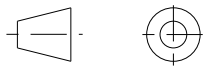
DRAWING UPDATED.
NOW 5 SHEETS.

DETAILS OF TYPE A43RASB BOLTED SOCKET.

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DO NOT SCALE

DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE $\mu m Ra 3.2$
MACHINE WHERE MARKED THUS ☒

ANGULAR TOLERANCES $\pm 1/2^\circ$

DIMENSIONAL TOLERANCES UNLESS OTHERWISE STATED	
UPTO 6	± 0.1
OVER 6 UPTO 30	± 0.2
OVER 30 UPTO 100	± 0.3
OVER 100 UPTO 300	± 0.5
OVER 300	± 0.8

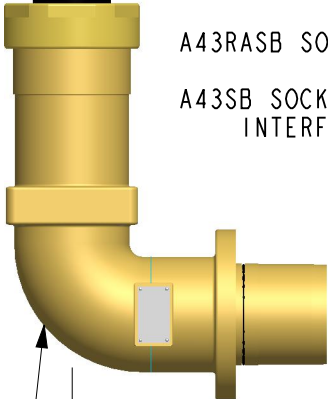
TEST No.	PROCESS No.
200	- - -
DRAWN	AER
DATE	16/12/11
CHECKED	16/12/11 AER
APPROVED	16/12/11 AER
SCALE	1:4

DRAWING No.	ISSUE No.
SHEET 5 OF 6	1
CP298	

A43SB SOCKET. A43PB PLUG. A43 PLUG. A43SB SOCKET.



A43PB PLUG FOR CONNECTION TO A43SCB OR A43SB.



A43RASB SOCKET AS SHOWN, ALTERNATIVELY, A43SB SOCKET WHEN BS5620 INTERFACE IS FITTED.

A43RAPB PLUG AS SHOWN, ALTERNATIVELY A43PB PLUG WHEN A43SB SOCKET IS FITTED.

INTERFACE DESIGNED FOR A43RASB SOCKET AS SHOWN, ALTERNATIVELY, INTERFACE DESIGNED TO BS5620 FOR FITMENT OF A43SB SOCKET AND MATING PLUG.

208.5 REF.

LOAD CENTRE WITH INTERFACE FLANGES TO SUIT MATING SOCKET - SEE NOTE.



A43SB SOCKET.

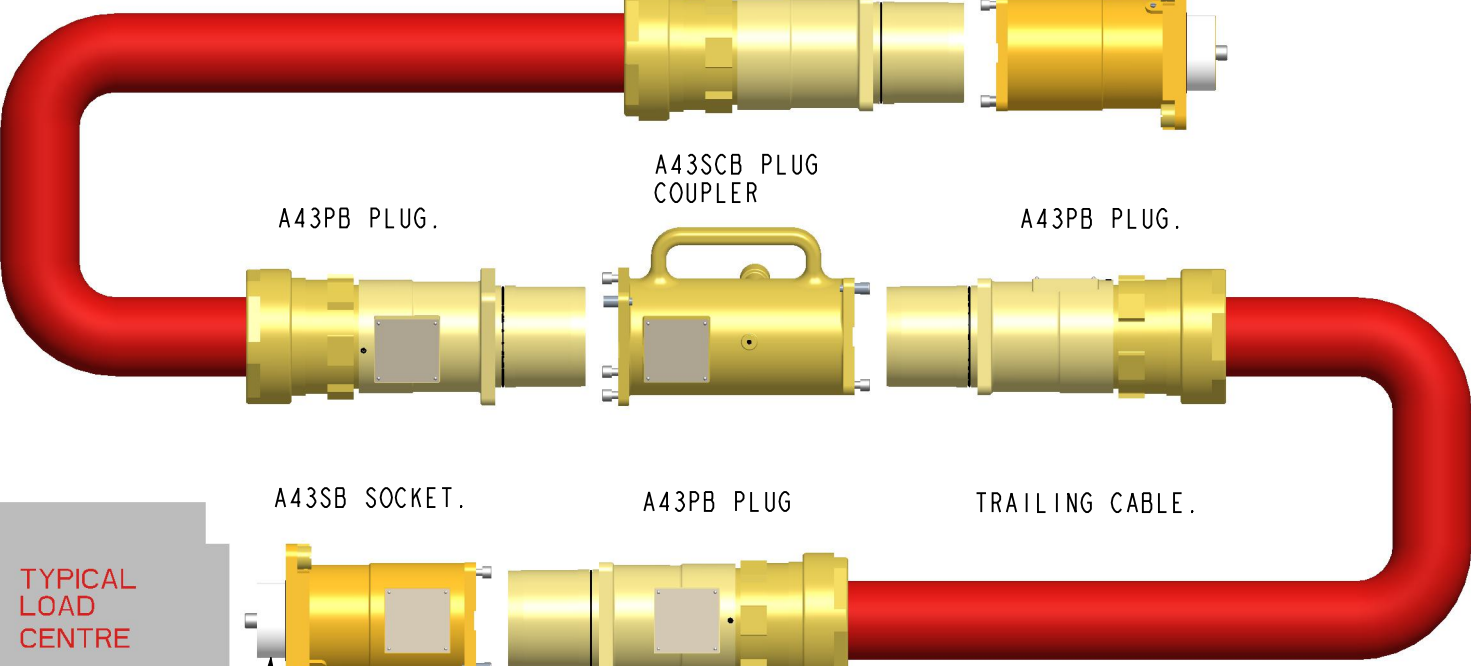
A43PB PLUG

TRAILING CABLE.

A43PB PLUG.

A43SCB PLUG COUPLER

A43PB PLUG.



INTERFACE OF A43SB SOCKET AND LOAD CENTRE DESIGNED TO BS5620

464 + CABLE BEND

A43BPB BLANKING OR A43TBP TEST PLUG FOR FITMENT TO A A43SB SOCKET OR A43SCB PLUG COUPLER. NOTE: NOT FOR USE WITH A43RASB.

NOTE: FLANGES DESIGNED TO BS5620 WILL ACCEPT ANY SOCKET WITH A MATING FLANGE AND SPIGOT DESIGNED TO BS5620. THE FLANGE FOR THE A43RASB IS A SPECIAL AND CAN ONLY BE USED WITH THE A43RASB SOCKET.

0	DCR	DRN	16/12/11	AER	1	DCR	DRN	16/8/12	AER	2	DCR	DRN	20/3/13	AER
CHK	16/12/11	AER	APP	16/12/11	AER	CHK	16/8/12	AER	APP	16/8/12	AER	CHK	20/3/13	AER
SHEET 5 INTRODUCED.					A43RA PLUG AND SOCKET DIAGRAM ADDED.					VARIOUS NOTE CHANGES.				

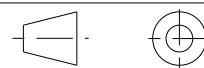
TYPICAL CABLE LAYOUTS SHOWING COMBINATION OF UNITS FROM THE A43 RANGE OF CONNECTORS.



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DIMENSIONS IN MILLIMETRES (mm)
MAXIMUM MACHINED SURFACE
TEXTURE $\mu\text{m Ra } 3.2$
MACHINE WHERE MARKED THUS ☒

ANGULAR TOLERANCES $\pm 1/2^\circ$

DIMENSIONAL TOLERANCES UNLESS OTHERWISE STATED
UPTO 6 ± 0.1
OVER 6 UPTO 30 ± 0.2
OVER 30 UPTO 100 ± 0.3
OVER 100 UPTO 300 ± 0.5
OVER 300 ± 0.8

TEST No. PROCESS No.

200

- - -

DRAWN AER

DATE 21/11/12

CHECKED 21/11/12 AER

APPROVED 21/11/12 HD

SCALE 1:4

DRAWING No. ISSUE No.

SHEET 6 OF 6

CP298

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

PILOT CONTACT PIN

TYPICAL A43SB SOCKET

12.5 PILOT CONTACT
PIN INSERTION INTO
PILOT CONTACT TUBE.

PILOT CONTACT TUBE

TYPICAL A43PB PLUG

PHASE CONTACT PIN.

28 PHASE CONTACT
PIN INSERTION INTO
PHASE CONTACT TUBE.

PHASE CONTACT TUBE

SECTION A-A

0		DCR		DRN	21/11/12	AER
	CHK	21/11/12	AER	APP	21/11/12	HD

SHEET 6 ADDED.

DETAILS OF CONTACT PIN INSERTION INTO
CONTACT TUBES WHEN FULLY ASSEMBLED.

Victor Victor Products Limited
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NE27 0QF, United Kingdom.