



BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

1 **COMPONENT CERTIFICATE**

2 **BAS No Ex 831218U dated 20 June 1983**

3 This certificate is issued for the electrical apparatus:

FLAMEPROOF STOPPING PLUG

4 manufactured and submitted by

REDAPT ENGINEERING CO LTD
of Darlaston, West Midlands

5.1 The component must be designed and constructed in accordance with the specification set out in the Schedule or Schedules attached hereto and in the documents referred to therein.

5.2 The document should not in any way be construed as a Certificate of Conformity or an Inspection Certificate but it may be used by a Certification Authority to establish the acceptability of the component for use as a component part of equipment which is certified by either a Certificate of Conformity or an Inspection Certificate.

5.3 Insofar as the component used in an equipment subject to certification is identical with the one forming the subject of the present Component Certificate, reference in a Certificate of Conformity or an Inspection Certificate to the Number of this Component Certificate will suffice to specify the characteristics detailed in this document without the need for collection of documents or repetition of the examinations and tests detailed herein. This does not preclude a requirement for any supplementary tests which may be necessary as a function of the use of the component e.g. distances from enclosure walls, heating, etc.

5.4 This Certificate is valid for three years from the date of issue unless previously suspended or revoked.

Code: EEx d IIC

Test Report No 83(d)103
dated 10 June 1983

File: SFA/19/218/02

B HILL
DIRECTOR

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Component Certificate BAS No Ex 831218U dated 20 June 1983

6.1 BASEEFA being an Approved Certification Body in accordance with Article 14 of the Council Directive of 18 December 1975 (76/117/EEC)

confirms that the component has successfully met the examination and test requirements and has been found to comply with harmonised standards.

BS 5501:Part 1:1977 EN 50 014
BS 5501:Part 5:1977 EN 50 018

6.2 These examinations and tests are recorded in Test Report

83(d)103 dated 10 June 1983

which is held by BASEEFA to be available at the disposal of the Commission and of the Member States.

7 The apparatus is coded **EEx d IIC**

8 The supplier, of the electrical component referred to in this certificate has the responsibility to ensure that the component conforms to the specification laid down on the Schedule to this certificate.

COMPONENT CERTIFICATE



SCHEDULE

NUMBER Ex 831218U

DATED 20 June 1983

COMPONENT Brass threaded stopping plug with an M20 x 1.5 male entry thread to BS 3643 chamfered head and hexagon socket set in the external face.

<u>DRAWING Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80-A-6	-	16.5.83	Stopping Plug

VARIATION ONE Alternative stopping plug with the hexagon socket set in the internal face.

VARIATION TWO Alternative stopping plugs having the following sizes of male entry thread.

M25, M32, M40, M50, M63 and M75.

VARIATION THREE Alternative thread forms

- a) Pg threads to DIN 40430
- b) BSP threads to BS21
- c) Imperial Conduit to BS31

VARIATION FOUR Alternative materials of manufacture

- a) Mild Steel to BS 970:EN1A
- b) Stainless Steel to BS 970:303 or 316
- c) Aluminium to BS 4300/5:2011-T3



BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

COMPONENT CERTIFICATE VARIATION

THIS IS TO CERTIFY THAT COMPONENT CERTIFICATE BAS NO Ex 831218U

Issued to REDAPT ENGINEERING CO LTD
of Darlaston, West Midlands

for the FLAMEPROOF STOPPING PLUG

is hereby extended to apply to apparatus designed and constructed in accordance with the specification set out in the Schedule or Schedules of the said Certificate but having the variation specified in the following Schedule.

Addition to the existing range, of an M16 STOPPING PLUG with variations as stated in the original schedule.

<u>DRAWING Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80.A.6	-	26.10.83	Stopping plug

Code: EEx d IIC

File: SFA 19/218/02
Test Report No 83(d)216
dated 4.11.83

COMPONENT CERTIFICATE BAS NO Ex 831218U/2

44/03

K. Clark
p.p. B HILL
DIRECTOR
Dated 11 November 1983



Health &
Safety
Executive



BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

COMPONENT CERTIFICATE VARIATION

THIS IS TO CERTIFY THAT COMPONENT CERTIFICATE BAS NO Ex 831218U

Issued to REDAPT ENGINEERING CO LTD
of Darlaston, West Midlands

for the FLAMEPROOF STOPPING PLUG


is hereby extended to apply to apparatus designed and constructed in accordance with the specification set out in the Schedule or Schedules of the said Certificate but having the variations specified in the attached Schedule.

Code: EEx d IIC

File: SFA 19/218/02

Test Report No: 83(d)190
dated 22 September 1983

COMPONENT CERTIFICATE BAS NO Ex 831218U/1
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B HILL
DIRECTOR
Dated 18 October 1983

COMPONENT CERTIFICATE



SCHEDULE

NUMBER Ex 831218U/1

DATED 18 October 1983

VARIATION ONE Brass threaded stopping plug with an $\frac{1}{2}$ " NPT male entry thread to ASA B2.1 and hexagon socket set in the external face.

<u>DRAWING Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80-A-6B	-	27.9.83	Stopping plug

VARIATION TWO Alternative stopping plug with the hexagon socket set in the internal face.

VARIATION THREE Alternative stopping plugs having the following sizes of male entry NPT threads $\frac{3}{4}$ ", 1", $1\frac{1}{4}$ ", $1\frac{1}{2}$ ", 2", $2\frac{1}{2}$ " and 3".

VARIATION FOUR Alternative materials of manufacture:-

- a) Mild Steel to BS 970: EN1A
- b) Stainless Steel to BS 970: 303 or 316
- c) Aluminium to BS 4300/5: 2011-T3.



Health &
Safety
Executive



BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

COMPONENT CERTIFICATE VARIATION

THIS IS TO CERTIFY THAT COMPONENT CERTIFICATE BAS NO Ex 831218U

Issued to **REDAPT ENGINEERING CO LTD**
of Darlaston, West Midlands

for the **FLAMEPROOF STOPPING PLUG**

is hereby extended to apply to apparatus designed and constructed in accordance with the specification set out in the Schedule or Schedules of the said Certificate but having the variations specified in the following Schedule.

VARIATION Addition to the existing range, of an M14 Stopping Plug with variations as stated in the original schedule.

<u>DRAWING</u> <u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80.A.6	-	2.1.85	Stopping Plug

Code: EEx d IIC

File: SFA 19/218/02
Test Report No: 85(d)075
dated 9 April 1985

COMPONENT CERTIFICATE BAS NO Ex 831218U/3

B. HILL
DIRECTOR
Dated 29 April 1985

44/09



BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

COMPONENT CERTIFICATE VARIATION

THIS IS TO CERTIFY THAT COMPONENT CERTIFICATE BAS NO Ex 831218U

Issued to REDAPT ENGINEERING CO LTD
of Darlaston, West Midlands

for the FLAMEPROOF STOPPING PLUG

is hereby extended to apply to apparatus designed and constructed in accordance with the specification set out in the Schedule or Schedules of the said Certificate but having the variation specified in the following Schedule.

Schedule

VARIATION Reduction of the thread length from 15mm to 12.5mm (minimum) with respect to parallel thread forms only.

<u>DRAWING</u> <u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80-A-6	-	8.8.85	Stopping plug

Code: EEx d IIC

File: SFA 19/218/02



COMPONENT CERTIFICATE BAS NO Ex 831218U/4

16/15

B HILL
DIRECTOR
Dated 19 August 1985



British Approvals Service for Electrical Equipment in Flammable Atmospheres

CERTIFICATE OF CONFORMITY VARIATION

THIS IS TO CERTIFY THAT CERTIFICATE OF CONFORMITY BAS NO Ex 831218U

Issued to REDAPT ENGINEERING CO LTD
of Darlaston, West Midlands

for the FLAMEPROOF STOPPING PLUG

is hereby extended to apply to apparatus designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having the variations specified in the following Schedule.

Schedule

VARIATION Addition to the existing range of alternative thread forms

- a) NPSM to ANSI/ASME B1.20.1-1983: Class 2A
- b) UNS to ANSI B1.1-1982: Class 2A

DRAWING Number

80.A.6

Issue

-

Date

10.10.85

Description

Stopping Plug

Code: EEx d IIC

File: SFA 19/218/02

CERTIFICATE OF CONFORMITY BAS NO Ex 831218U/5

50/35

B HILL
DIRECTOR
Dated 17 December 1985