



Health &  
Safety  
Executive



**BASEEFA**

British Approvals Service for Electrical Equipment in Flammable Atmospheres

1 **COMPONENT CERTIFICATE**

2 **BAS No Ex 831216U dated 20 June 1983**

3 This certificate is issued for the electrical apparatus:

FLAMEPROOF CABLE GLAND ADAPTOR AND REDUCER

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)102  
dated 10 June 1983

File: SFA/19/218/01

B HILL  
DIRECTOR

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Component Certificate BAS No Ex 831216U 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)102 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 831216U

**DATED** 20 June 1983

- COMPONENT**
- a) Brass cable gland REDUCER machined from hexagonal bar with an external connection threaded M20 x 1.5 and an internal connection threaded M16 x 1.5 to accept a cable gland with compatible thread form and size.
  - b) Brass cable gland ADAPTOR having a hexagonal body with a male connection end threaded M20 x 1.5 and a female connection end threaded M20 x 1.5 to accept a cable gland with compatible thread form and size.

## DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80-A-5	-	16.5.83	REDUCER
80-A-7	-	16.5.83	ADAPTOR

**VARIATION ONE** Alternative cable gland reducer having the following sizes and typical combinations of external and internal threads.

<u>MALE THREAD</u>	<u>FEMALE THREAD</u>
M25 x 1.5	M20 x 1.5
M32 x 1.5	M25 x 1.5
M40 x 1.5	M32 x 1.5
M50 x 1.5	M40 x 1.5
M63 x 1.5	M50 x 1.5
M75 x 1.5	M63 x 1.5

**VARIATION TWO** Alternative cable gland adaptor having the following sizes and typical combinations of internal and external threads.

<u>MALE THREAD</u>	<u>FEMALE THREAD</u>
M20 x 1.5	M25 x 1.5
M25 x 1.5	M32 x 1.5
M32 x 1.5	M40 x 1.5
M40 x 1.5	M50 x 1.5
M50 x 1.5	M63 x 1.5
M63 x 1.5	M75 x 1.5
M75 x 1.5	M75 x 1.5

**VARIATION THREE** Alternative thread forms at both the male and female ends and in any combination as required within the parameters of the certified drawing requirements.

- a) Pg threads to DIN 40430
- b) BSP threads to BS 21

# COMPONENT CERTIFICATE



# SCHEDULE

**NUMBER** Ex 831216U

**DATED** 20 June 1983

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c) Imperial Conduit to BS 31

d) N.P.T. to ASA B2.1

VARIATION FOUR Alternative material 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 831216U

Issued to REDAPT ENGINEERING CO LTD  
of Darlaston, West Midlands


For the FLAMEPROOF CABLE GLAND ADAPTOR AND REDUCER

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 19/218/01  
Test Report No 83(d)188  
dated 19th September 1983

COMPONENT CERTIFICATE BAS NO Ex 831216U/1

  
B HILL  
DIRECTOR  
Dated 3 October 1983

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BASEEFA Harpur Hill Buxton Derbyshire SK17 9JN Tel 0298 6211 Telex 668113 RLSD G

# COMPONENT CERTIFICATE



# SCHEDULE

**NUMBER** Ex 831216U/1

**DATED** 3 October 1983

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VARIATION ONE      Addition to the range of a brass ADAPTOR having a hexagonal body with a male connection end threaded M16 x 1.5 and a female connecting end threaded M20 x 1.5 to accept a cable gland with compatible thread form and size.

<u>DRAWING NO</u>	<u>ISSUE</u>	<u>DATE</u>	<u>DESCRIPTION</u>
80-A-9	-	16.5.83	Adaptor

VARIATION TWO      Alternative thread form at both the male and female ends and in any combination as required within the parameters of the certified drawing requirements.

- a) Pg thread to DIN 40430.
- b) BSP thread to BS 21.
- c) IMPERIAL CONDUIT to BS 31.
- d) NPT to ASA B2-1.

VARIATION THREE      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 831216U

Issued to REDAPT ENGINEERING CO LTD  
of Darlaston, West Midlands

for the FLAMEPROOF CABLE GLAND ADAPTOR  
AND REDUCER

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.

Alternative sized material (0.920" HEXAGONAL BAR) to be used in the manufacture of the ADAPTOR with female thread form of M20 or thread forms of equivalent size.

<u>DRAWINGS NO</u>	<u>ISSUE</u>	<u>DATE</u>	<u>DESCRIPTION</u>
80.A.9	-	11.11.83	ADAPTOR

Code: EEx d IIC

File: SFA 19/218/01

COMPONENT CERTIFICATE BAS NO Ex 831216U/2

B HILL  
DIRECTOR  
Dated 8 December 1983

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