



# BASEEFA

British Approvals Service for Electrical Equipment in Flammable Atmospheres

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## COMPONENT CERTIFICATE

2 BAS No Ex 87B3481U

3 This certificate is issued for the electrical apparatus:

A RANGE OF INCREASED SAFETY CABLE GLAND ADAPTORS AND REDUCERS  
AND STOPPING PLUGS

4 Manufactured and submitted by

REDAPT ENGINEERING CO LIMITED  
of Darlaston, West Midlands, WS10 8XB

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 e II

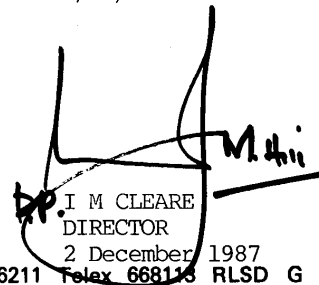
Test Report No: 87(e)247  
dated 5 November 1987

File: EECS 0868/03/001

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31/08

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

  
I M CLEARE  
DIRECTOR  
2 December 1987

Component Certificate BAS No Ex 87B3481U dated 2 December 1987

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.

EN 50 014 (1977) + A1 to 4  
EN 50 019 (1977) + A1

6.2 These examinations and tests are recorded in Test Report

No 87(e)247

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 e II**

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.

9 This electrical component shall NOT be marked with the distinctive community mark specified in Annex II of the Commission Directive 84/47/EEC of 16 January, 1984.

# COMPONENT CERTIFICATE



# SCHEDULE

**NUMBER** Ex 87B3481U

**DATED** 2 December 1987

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COMPONENT A RANGE OF INCREASED SAFETY CABLE GLAND ADAPTORS AND REDUCERS AND STOPPING PLUGS machined from hexagonal bar and with various thread forms up to the equivalent of M75.

The following materials are permitted:

Brass to BS 2874: CZ121  
Mild Steel to BS 970: EN1A  
Stainless Steel to BS 970: 316  
Aluminium to BS 4300/5: 2011/T3

The following thread forms are permitted:

Metric to BS3643: Medium Fit  
Pg to DIN 40430  
BSPT to BS 21  
ET to BS 31  
NPT to USAS B2.1

## DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
80.B.1E	-	16.3.86	ADAPTORS
80.B.2E	-	16.3.86	REDUCERS
80.B.3E	-	16.3.86	STOPPING PLUGS



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 87B3481U

Issued to REDAPT ENGINEERING CO LIMITED  
of Darlaston, West Midlands, WS10 8XB

for the RANGE OF INCREASED SAFETY CABLE GLAND  
ADAPTORS AND REDUCERS AND STOPPING PLUGS

is hereby extended to apply to components 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 e II

File: EECS 0868/03/001

A handwritten signature in black ink, appearing to read 'I M Cleare'.

COMPONENT CERTIFICATE BAS NO Ex 87B3481U/1  
Sheet 1/2  
AH

I M CLEARE  
DIRECTOR EECS  
13 February 1990

# COMPONENT CERTIFICATE



# SCHEDULE

**NUMBER** Ex 87B3481U/1

**DATED** 13 February 1990

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**VARIATION ONE** To include adaptors and reducers, fitted with a 300mm long, green/yellow PVC insulated earth lead.

Each adaptor and reducer is longer, due to an unthreaded extension at the non-shoulder end of the external thread. A ring eyelet is riveted to the bore of the extension, and the earth lead crimped to the eyelet. The riveted/crimp joints are then soldered.

## DRAWINGS

Number	Issue	Date	Description
89B1F	2	20.12.89	Adaptors with earth leads
89B2F	-	10.12.89	Reducers with earth leads

## SCHEDULE OF LIMITATION

- 1 The remote end of the earth lead shall be connected to an earth terminal inside a Type 'e' apparatus (typically certified to EN50 014 and EN50 019). This shall be done in such a manner, that the minimum required creepage and clearance distances for the Type 'e' apparatus are maintained (see conditions on Apparatus Certificate).