

British Approvals Service for Electrical  
Equipment in Flammable Atmospheres



## Component Certificate

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BAS No. Ex 98D1229U

3 This certificate is issued for the electrical component:

**SEMC 453 CABLE GLAND**

4 Manufactured and submitted for certification by:

**SHOMAL ENGINEERING & MANUFACTURING COMPANY LIMITED**  
of Kooy Narenge, Salmanshahr, Mazandaran, Iran

- 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.
- 6.1 BASEEFA being an Approved Certification Body in accordance with Article 14 of the Council Directive of 18 December 1975 (76/117/EEC) certifies that the component has successfully met the examination and test requirements and has been found to comply with harmonised European Standards:  
**EN50 014 (1977) + Amd 1 to 5                      EN50 018 (1977) + Amd 1 to 3**
- 6.2 These examinations and tests are recorded in confidential Report 97(C)0176/1 dated 30 September 1998, which is held by BASEEFA to be available at the disposal of the Commission and of the Member States.
- 7 The component 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.
- 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.

File No: EECS 3529/01/002

Sheet 1 of 3

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the component may be used in particular industries or circumstances. Representation of components as "Certified" is valid only when the number of this component certificate is given on the relevant EECS Manufacturing Licence or Verification Certificate.



I M CLEARE  
DIRECTOR

30 September 1998



Registration Number  
020  
The use of the Accreditation  
Mark indicates accreditation in  
respect of those activities  
covered by the accreditation  
certificate number 020.



**Electrical Equipment Certification Service**  
Health and Safety Executive  
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom  
Tel: 01298 28000 Fax: 01298 28244

**S.E.M.C**  
DOCUMENT CONTROL



**Component Certificate BAS No. Ex 98D1229U**

**COMPONENT DESCRIPTION**

The SEMC 453 Cable Gland for use with single wire armoured cable with an extruded elastomeric or plastic inner sheath and elastomeric or plastic outer sheath comprising:-

- i) an entry adaptor having any one of the threadforms given in Table A below.
- ii) an armour clamp
- iii) an armour clamp ring
- iv) a compression unit
- v) a tail nut
- vi) an inner seal
- vii) an outer seal
- viii) a polythene skid washer

The metallic parts of the gland are manufactured from brass and the inner and outer seals are manufactured from rubber.

The designation and corresponding thread size for each gland is detailed in Table A below:-

TABLE A

Gland Designation	Entry Adaptor Thread Sizes			
	Metric	ET	Pg	NPT BSPP BSPT
Os	M20	¾"	11/13.5	½"
O	M20	¾"	11/13.5	½"
A	M20	¾"	16	½"/¾"
B	M25	1"	21	¾"/1"
C	M32	1¼"	29	1"/1¼"
C2	M40	1½"	36	1¼"/1½"
D	M50	2"	42/48	2"
E	M63	2½"	-	2½"

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## Schedule

Component Certificate BAS No. Ex 98D1229U

### DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
453-GA	C	09-98	General Arrangement
453-DIM	B	09-98	Dimensional Details
453-A	A	09-98	Tail Nut
453-B	A	09-98	Skid Washer
453-C	A	09-98	Outer Seal
453-D	B	09-98	Compression Nut
453-E	B	09-98	Armour Clamp Ring
453-F	C	09-98	Armour Clamp
453-J	B	09-98	Inner Seal
453-K	B	09-98	Entry Adaptor

### SCHEDULE OF LIMITATIONS

The cable glands are not suitable for use with flameproof enclosures of Group IIC having a volume greater than 2000 cm<sup>3</sup>.

#### BASEEFA List Keywords

2CABLEGL