British Approvals Service for Electrical Equipment in Flammable Atmospheres

BASEEFA

Component Certificate

1

2 **BAS No. Ex 98D1230U**

3 This certificate is issued for the electrical component:

SEMC VBL453 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

ELECTRICAL EQUIPMENT EECS CERTIFICATION SERVICE

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

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

HSE
Health & Safety Executive

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

AA

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BASEEFA

Schedule

Component Certificate BAS No. Ex 98D1230U

COMPONENT DESCRIPTION

The SEMC VBL453 Cable Gland for use with lead sheathed, single wire armoured cable having extruded elastomeric or plastic insulation 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) a lead seal

vii) an inner seal

viii) an outer seal

ix) a polythene skid washer

The metallic parts of the gland are manufactured from brass except for the lead seal 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
O	M20	¾"	11/13.5	½"
A	M20	¾"	16	¾"
B	M25	1"	21	1"
Cs	M32	1¼"	25	1¼"
C	M32	1¼"	25	1¼"
C2s	M40	1½"	36	1½"
C2	M40	1½"	36	1½"

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TABLE A continued

Gland Designation	Entry Adaptor Thread Sizes			
	Metric	ET	Pg	NPT: BSPP: BSPT:
Ds	M50	2"	42/48	2"
D	M50	2"	42/48	2"
Ess	M63	2½"	-	-
Es	M63	2½"	-	-
E	M63	2½"	-	-

DRAWINGS

Number	Issue	Date	Description
VBL-453-GA	B	09-98	General Arrangement
VBL-453-DIM	A	09-98	Dimensional Details
VBL-453-A	A	09-98	Tail Nut
VBL-453-B	A	09-98	Skid Washer
VBL-453-C	A	09-98	Outer Seal
VBL-453-D	A	08-98	Compression Nut
VBL-453-E	A	09-98	Armour Clamp Ring
VBL-453-F	A	09-98	Armour Clamp
VBL-453-H	B	09-98	Lead Seal
VBL-453-I	B	09-98	Inner Seal
VBL-453-K	A	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^3.

BASEEFA List Keywords

2CABLEGL