

037214

भारत सरकार

Government of India

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय,उपभोक्ता मामले विभाग Ministry of Consumer Affairs, Food & Public Distribution, Department of Consumer Affairs

राष्ट्रीय परीक्षण शाला (पश्चिमी क्षेत्र)

NATIONAL TEST HOUSE (Western region)

प्लॉट सं. एफ-१०, एम.आई.डी.सी., मरोल, अंधेरी (पूर्व), मुंबई - 400 093 Plot No. F-10, M.I.D.C., Marol Andheri (E), Mumbai - 400 093

ब्रमी क्षेत्र) estern region) री (पूर्व), मुंबई - 400 093 (E), Mumbai - 400 093

FOR RE

Form No: NTH (WR)/MUM-5

Number of Copies issued Single

TEST CERTIFICATE

INTERIM/FINAL REPORT

Date: 08/11/2019

परीक्षण प्रमाण पत्र सं Test Certificate No

जारी होने की तिथि

कोड नं

पृष्ठ Page पृष्ठीं की संख्या No of Pages

NTH(WR)/EL(A)/2019/00483B

Date of Issue 21/11/2019

Code No 1573195056765 Page 1 No of Pages

जिसे जारी करना है Issued To

SIGMA INDUSTRIES

पता

Address

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JAMNAGAR-361004 INDIA

ग्राहक का सन्दर्भ सं एवं दिनांक Customer's Ref. No.

पंजिका सं एवं दिनांक Register No & Date

परीक्षण सामग्री का विवरण Description of Test tem

परीक्षण सामग्री का पहचान Identification of Test Item

नमुना का विशिष्टि (यदि हीं) Product Specification (Fany)

नमुना प्राप्ति की तिथि Date of Receipt of the Test tem

कार्य सम्पादन की तिथि Date(s) of Performance of Tests

व्यावहृत प्रणाली का पहचान Method(s) used for Test

नमुना प्रकिषा जहाँ प्रासंगिक हों Sampling Procedure where relevant SIIN/081120191

00483/NTH(WR)/EL(A)/08/11/2019

Three sizes of Glands, each 3 in number stated to be of Double Compression Glands (Weather Proof) DC Type for Unarmoured Cables bearing Cat. No:- 19 UADC, 32 UADC, 82 UADC of CGS make along with cables of

Three sizes of Glands, each 3 in number stated to be of Double Compression Glands (Weather Proof) DC Type for Unarmoured Cables bearing Cat. No:- 19 UADC, 32 UADC, 82 UADC of CGS make along with cables of respective sizes.

BS:6121-1-1989

08/11/2019

From: 11/11/2019

To: 21/11/2019

BS:6121-1-1989

N/A

Tested By

KISHALAY PAUL

SA(Electrical)

Checked By

Anll Kumar Pandey

Scientist- B (Electrical)

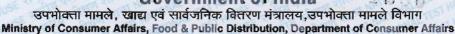
Approved By

Rane Narendra Dodhu





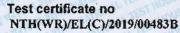
भारत सरकार



राष्ट्रीय परीक्षण शाला (पश्चिमी क्षेत्र)

NATIONAL TEST HOUSE (Western region)

प्लॉट सं. एफ-१०, प्यासीईक्रिश्सी. प्राम्लेक्प्रमंधेची र्यूर्व), मुंबई - 400 093



21/11/2019

Code No 1573195056765 No. of page 2 of 4

Form No: NTH (WR)/MUM-5

Three sizes of Glands, each 3 in number stated to be of Double Compression Glands (Weather Proof) DC Type for Un-armoured Cables bearing Cat. No:- 19 UADC, 32 UADC, 82 UADC of "CGS" make along with cables of respective sizes.

The given Samples was subjected to following Test as per BS:6121-1-1989 with the results noted below:

Marking:- 1) On the Glands following markings were Observed:

- CGS 19 UADC
- A CGS 32 UADC
- A CGS 82 UADC

Tests:-

Sr. No.	Test Description	Standard Specification	Observations on sample	Remarks
SALT ONAL SONA STON	PROOF TORQUE TEST (Cl.8.2). One Gland of each size is tightened by applying appropriate proof torque:	Table-2 & Appendix B of BS 6121-PT.1:1989 There shall be no noticeable	There was no noticeable	Satisfactory-
	Gland Cable Dia. Torque Nm 19 UADC 10mm 65 32 UADC 22mm 110 82 UADC 65mm 230	damage on dismantling after the test.	The State of the S	Satisfactory
2.	Load Test (Cl.8.3). One Gland of each size is assemled as per Appendix Cand load as given below is maintained for 6 hours. Gland Cable Dia Load N	Table-1 & Appendix C of BS 6121-PT.1:1989 The distance through which the mandrel moves during the period of 6 hrs shall be 6	The distance through which the mandrel moved during the period of 6 hrs was Less than 6mm	Satisfactory
	19 UADC 10mm 44.5 32 UADC 22mm 71.2 82 UADC 65mm 133	mm Max.	THOUSE TREAT THE THE THE THE THE THE THE THE THE TH	

Tested By

Kishalay Paul SA (Electrical) Checked By

Anil Kumar Pandey Scientist-B (Electrical) Approved By

Rane Narendra Dodhu Scientist-D (Electrical)



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Government of India

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय,उपभोक्ता मामले विभाग Ministry of Consumer Affairs, Food & Public Distribution, Department of Consumer Affairs

राष्ट्रीय परीक्षण शाला (पश्चिमी क्षेत्र)

NATIONAL TEST HOUSE (Western region)

प्लॉट सं. एफ-१०, एम आई डी सी. मुरोल, अंधेरी (पूर्व), सुंबई - 400 093 Plot No. F-10, M.I.D.C., Marol Andheri (É), Mumbai - 400 093



TEST CERTIFICATE

Test certificate no NTH(WR)/EL(C)/2019/00483B Date of Issue 21/11/2019 Code No 1573195056765 No. of page 3 of 4

Tests:-

Test	Tests:- The sent was a sent with the sent with the sent with the sent was the sent with the sent wit					
Sr. No.	Test Description	Standard Specification	Observations on sample	Remarks		
3. 005k	Seal Test (Cl.8.6). One Gland of each size was fitted to suitable enclosure and Tested for IP 66.	No Ingress of Dust or water shall be observed.	No Ingress of Dust or water was observed	Satisfactory		
4.	Dimensions: (CL7) The dimensions of glands of each size are checked for values given in Drawing/Catalogue No. 10UADC TO 100UADC Dated 01/11/2019(for19UADC,32UAD C,82UADC) as received.	The dimensions of glands of each size shall be as per Above Drawing.	The dimensions of the glands of each size are as per given Drawing.	Satisfactory		

Note:-

- 1) The average ambient condition of laboratory during the period of above tests was:
 Temperature, °C : 29 Relative humidity, % : 66
- 2) Certified copy of Drawing Report Ref Drawing/Catalogue No. 10UADC TO 100UADC Dated 01/11/2019 (for 19UADC,32UADC,82UADC) as received. is attached with this Report.
- 3) Chemical Composition as declared by the manufacturer:-

19UADC:: Copper 58.69%, Total Impurities: 4.6%, Remaining Zinc 32UADC:: Copper 56.92%, Total Impurities: 4.1 %, Remaining Zinc 82UADC:: Copper 56.27%, Total Impurities: 3.15%, Remaining Zinc

.Remark: The sample complies with the requirement of the standard BS 6121-1-1989 in respect of the tests carried out.

Tested By

Kishalay Paul SA (Electrical) Checked By

Anil Kumar Påndey Scientist-B (Electrical) Approved By

Rane Narendra Dodhu Scientist-D (Electrical) TUNO: NTH(WP)/1814)/1819/18483B SRF:-1573/95056 FECTORIOS Page: - 41/4

CGS MAKE DOUBLE COMPRESSION WEATHERROOF CABLE GLANDS FOR UN-ARMOURED CABLES

037214

GLAND SIZE

2.3/4" (70 mm)

3" (75 mm)

3.1/4" (82 mm)

3.1/2" (88 mm)

4" (100 mm)

Cat No.

70 UADC

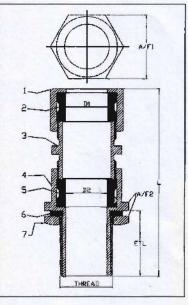
75 UADC

82 UADC

88 UADC

100 UADC

TECHNICAL DATA				
No. DESCRIPTION		MATERIAL		
1	Compression Nut	BRASS / ALUMINIUM / S.S. 304/316		
2	Outer Seal-1	NEOPRENE RUBBER		
3	Gland Nut	BRASS / ALUMINIUM / S.S. 304/316		
4 Gland Body BI		BRASS / ALUMINIUM / S.S. 304/316		
5	Outer Seal-2	NEOPRENE RUBBER		
6	Flat Washer	NEOPRENE RUBBER		
7	Lock Nut	BRASS / ALUMINIUM / S.S. 304/316		
Material		Brass as per IS-12943:1990		
		Aluminium / S.S. 304/316		
Design Specification		BS 6121		
Threads		BS Conduit (ET), BSP, NPT, METRIC & PG		
Nickel Plating Thickness		Up to 10 Micron as per IS 12943:1990 (Brass Only)		
IP Protection		IP-66		



A/F2

82.50

92.50

94.00

102.00

115.00

		and the same of th	D1 & D2		(ETL)		
	10 UADC	3/8" (10 mm)	09 - 06	5/8" ET	25.00	18.00	20.00
	12 UADC	1/2" (12 mm)	11 - 07	5/8" ET	25.00	18.00	20.00
11	16 UADC	5/8" (16 mm)	12 - 08	3/4" ET	25.00	20.00	23.00
Mr	19 UADC	3/4" (19 mm)	14~10	3/4" ET	25.00	23.00	23.00
10	22 UADC	7/8" (22 mm)	17 - 13	1" ET	25.00	24.00	31.50
	25 UADC	1" (25 mm)	18 - 14	1" ET	25.00	25.50	31.50
10	28 UADC	1.1/8" (28 mm)	21 - 16	1.1/8" ET	25.00	31.00	33.00
relig	32 UADC	1.1/4" (32 mm)	27 - 22	1.1/4" ET	25.00	36.00	39.00
-47	35 UADC	1.3/8" (35 mm)	30 - 25	1.3/8" ET	25.00	39.50	42.00
	38 UADC	1.1/2" (38 mm)	32 - 27	1.1/2" ET	25.00	42.50	46.00
	45 UADC	1.3/4" (45 mm)	38 - 33	1.3/4"ET	25.00	50.00	54.00
	50 UADC	2" (50 mm)	44 - 39	2" ET	25.00	56.50	59.00
	57 UADC	2.1/4" (57 mm)	48 - 43	2.1/4" ET	25.00	61.00	66.00
	63 UADC	2.1/2" (63 mm)	56 - 50	2.1/2"ET	25.00	67.00	74.50

63 - 58

68 - 63

70 - 65

77 - 72

85 - 80

Crimping

Range

NIPPLE

THREAD

THREAD

LENGTH

25.00

25.00

25.00

25.00

25.00

A/F1

All Dimensions except thread size are in mm

size are in mm

एन. डी. राणे N. D. RANE बैज्ञानिक (एस.सी.) ं द्यत

74.50

82.50

84.00

92.50

102.00

PROPERTY OF SIGMA INDUSTRIES Date:01/11/2019 Drawn by: Shailesh Moliya	SIGMA INDUSTRIES SO LEGENDADO TO LOS LAMAGAR MATERIAL Brass, Aluminium,			
Approved by: Himanshu Joshi	Title: Cable Glands			
Dimensional Tolerance: ± 1mm Drg. Code: SI/UADC-Rev.0 건년건 역간원이 되었다.				
Description: CGS make Double Comp	ession Cable Glands (Weatherproof) (of un appoured cables comments			

2.3/4" ET

3" ET

3.1/4" ET

3.1/2" ET

अंगरी (पूर्व), मुंबई - ४ ० १३. Alichen (क्षि Munibali- 450), अ