



सीएसआईआर - के० ख० एवं ई० अ० सं० परीक्षण प्रकोष्ठ

CSIR - CIMFR TESTING CELL

TEST CERTIFICATE / परीक्षण प्रमाण पत्र

अतिरिक्त प्रथम प्रति
Additional First CopyFORMAT NO.: (CIMFR: DQM: FLP02: F-01:REV-01)
(Flameproof & Equipment Safety)

ID NO.: 55/16

CODE NO.: FLP/213/15-16

11. **Nature of Flameproof Joint:** Type of joints and gaps (Flange joint, Threaded joint, Cylindrical joint for Gas Gr. IIB)

Sr. No	Location of flamepath	Type of Joint	Min. length of flamepath (in mm)		Max. gap (in mm)/no. of threads (pitch)	
			Req.	Spec.	Req.	Spec.
1.	Between single enclosure body and its cover.	Flange Joint	12.5	15	0.15	0.15

NOTE: Further details refer drawing.

Max. No. & size of cable entries: Max. 8 nos. of size M19 and 4 nos. of size M25 is provided on the single enclosure maintaining 25mm axial threaded length for used with certified and approved double compression type cable gland.

12. Name plate and warning inscription: The name-cum-warning inscription plate and rating plate made of Brass/SS is permanently fixed on the cover of enclosure by hammer driven rivets leaving min. 3mm material thickness below the rivets. The warning inscription shall read as "ISOLATE SUPPLY BEFORE OPENING".

13. Drawing: The unit is designed and constructed as flameproof and weatherproof in accordance with the following drawing conforming to the requirements of IS/IEC 60079-0:2004, IS/IEC 60079-1: 2007 & IS/IEC 60529: 2001.

Sl. No.	Drg. No.	Title	Rev.	Sheet	Date
1.	KK/DRG/JB2015/A	FLAMEPROOF/WEATHERPROOF JUNCTION FOR ELECTRICAL/ELECTRONIC QUIPMENTS UPTO 400WATTS.	0	1 of 1	15/12/2015

14. Any other relevant information:

- As per Clause 4.2.1 Note - 2 of IS/IEC 60079-0:2004 the apparatus mark IIB is suitable for application requiring IIA apparatus.
- The material of construction may be CI/MS/SS instead of cast aluminium Alloy LM-6 construction.

15. Declaration by the Applicant/Manufacturer:

- (i) As to standards with which the apparatus complies in respect of:
- Electrical apparatus for Potentially Explosive atmosphere - General requirements: IS/IEC 60079-0: 2004
 - As to flameproof protection IS/IEC 60079-1: 2007
 - Ingress protection as per IS/IEC 60529: 2001

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