



- Reference IS/IEC Standard as follows :
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IB & IIC, IS/IEC 60079-1 (2014)
  - TEMPERATURE CLASS - T6
  - 2 - INGRESS (IP) PROTECTION - IP-66, IS/IEC 60529 (2001). (Reaffirmed 2014)

Standard Specification :

- 1 - MATERIAL - CAST ALUMINIUM ALLOY
- 2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS-5
- 3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
- 4 - HARDWARE - STAINLESS STEEL
- 5 - GASKET - 'O' RING NEOPRENE RUBBER GASKET
- 6 - MOUNTING ARRGT. - AS SHOWN IN DRG.

Material / Components Specification :

- 1 - S.S. NAME CUM WARNING PLATE (WITH DESCRIPTION TITLE, CIMFR, PESO, SR. NO., GAS GROUP, RATING, BIS MARKING, WARNING STATUS, etc...)
- 2 - INTERNAL SIZE OF ENCLOSURE (BODY+COVER) -  $\phi$ 125 x 70mm
- 3 - TERMINALS - MAX. 10 Nos. 2.5sq. mm CLIP-ON TYPE TERMINALS OF 'CONNECTWELL/ELMEX' MAKE (DETAIL TO BE SPECIFIED BY CUSTOMER)
- 4 - CABLE GLAND - (Ex d) DOUBLE COMPRESSION TYPE CABLE GLAND OF 'SUDHIR' MAKE
- 5 - STOPPING PLUG - (Ex d) STOPPING PLUG OF 'SUDHIR' MAKE

- Fitting OPTIONS :
- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
  - 2) VOLTAGE : 415V AC
  - 3) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM
  - 4) PAINT SHADE : 632/355/7031/7032, etc... (As per Standard)
  - 5) CANOPY : M.S. / G.I. / FRP
  - 6) AMP. RATING : UP TO 63 Amp. (MAX.)
  - 7) CABLE ENTRIES : LEFT / RIGHT / TOP / BOTTOM SIDE

NOTE :  
 COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.  
 OVERALL DIMENSIONS ARE  $\pm$ 10mm

REV.	DATE	DESCRIPTION	DRN.	CHD.	APPD.	SCALE	CAT. No. JB/2C/147	MODEL No.: JB/147-1	DRN. profile	CHD. JASKHAR	CARR. CERT. No. IN/CIMFR/TR21/P/1534	PESO No. : P537233/1	BIS LICENCE No. : CM/L-000331365
											Dt. 25/08/2021	Dt. 26/09/2022	

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**SUDHIR SWITCHGEARS PVT. LTD.**  
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TITLE : **FLAMEPROOF-WEATHERPROOF ENCLOSURE FOR JUNCTION BOX**