



- 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) -  $\phi$ 100 x 55mm
- 3 - THERMOSTAT ELEMENT SWITCH RATING - 5 Amp, 230V AC, TEMP. RANGE : 0-120°C OF 'TELCON' MAKE
- 4 - ROUND PLATE (BAKELITE / M.S. PLATE WITH EPOXY POWDER COATING) WILL BE PROVIDED INSIDE THE ENCLOSURE TO FIT ELECTRICAL / ELECTRONIC INSTRUMENT
- 5 - CABLE ENTRIES - 2 Nos. BOTTOM SIDE CABLE ENTRIES OF M20 / 1/2" NPT / 3/4" ET SIZE - REFER DRAWING
- 6 - CABLE GLAND - (Ex d) DOUBLE COMPRESSION TYPE CABLE GLAND OF 'SUDHIR' MAKE
- 7 - STOPPING PLUG - (Ex d) STOPPING PLUG OF 'SUDHIR' MAKE

- Fitting OPTIONS :
- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
  - 2) VOLTAGE : 110V / 230V / 415V AC
  - 3) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM
  - 4) PAINT SHADE : 632/356/7031/7032, etc... (As per Standard)
  - 5) AMP. RATING : UP TO 10 Amp. (MAX.)

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.	MODEL No.:	DRN.	CHD.	APPD.	SCALE	CAT. No.	MODEL No.:	DRN.	CHD.	APPD.	SCALE
Δ							JB/20/2017	JB/20/2017					JB/20/2017	JB/20/2017				
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**SUDHIR SWITCHGEARS PVT. LTD.**  
 130, MULBARI SAMACHAR MARG, MULBARI - 400 023

TITLE : **FLAMEPROOF - WEATHERPROOF ENCLOSURE FOR THERMOSTATIC ELEMENT**

QMR. CERT. No. : IN/CIMFR/TR22/R/H136  
 Dt. 08/07/2022

PESO No. :  
 BIS LICENCE No. : CM/L-000331365