



**FRONT VIEW**

**SIDE VIEW**

DOL/Star Delta Starter Selection Table for Electrical Components & Terminals :

MATERIAL	0.5 HP MOTOR	1 HP MOTOR	2 HP MOTOR	5 HP MOTOR	7.5 HP MOTOR	10 HP MOTOR	16 HP MOTOR
CONTRACTOR	1 No. 9 Amp.	1 No. 9 Amp.	1 No. 9 Amp.	1 No. 9 Amp.	1 No. 12 Amp.	1 No. 16 Amp.	1 No. 25 Amp.
O/L RELAY	1 No. 0.8-1.17 A	1 No. 1.6-2.3 A	1 No. 2.5-3.7 A	1 No. 6.3-9.4 A	1 No. 8-11.7 Amp	1 No. 12.5-18.7 A	1 No. 14-23 Amp.
ELEMENTS	2 Nos. 10 Amp.	2 Nos. 10 Amp.	2 Nos. 10 Amp.	2 Nos. 10 Amp.	2 Nos. 10 Amp.	2 Nos. 10 Amp.	2 Nos. 10 Amp.
TERMINALS	6 Nos. 2.5sq. mm	6 Nos. 2.5sq. mm	6 Nos. 2.5sq. mm	6 Nos. 2.5sq. mm	6 Nos. 2.5sq. mm	6 Nos. 4sq. mm	6 Nos. 2.5sq. mm
SWITCH	16 Amp.	16 Amp.	16 Amp.	16 Amp.	20 Amp.	25 Amp.	32 Amp.

**Fitting OPTIONS :**

- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
- 2) VOLTAGE : 230V / 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) CABLE ENTRIES : 2 Nos. M25 / 3/4" NPT / 1" ET

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

REV.	DATE	DESCRIPTION	DRN.	CHD.	APP.	SCALE

- Reference IS/IEC Standard as follows :
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IIb & 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 - SWITCH - 1 No. 6 Amp., 230V AC, SP/DP, ON-OFF SELECTOR SWITCH OF 'RECOM/KAYCEE/SULZER' MAKE
- 2 - ELEMENT - 2 Nos. 10 Amp., 415V AC, INO+INC CONTACT ELEMENT OF 'TEKNIK/VAISHNO' MAKE
- 3 - ACTUATOR - 1 No. GREEN COLOUR SPRING RETURN TYPE & 1 No. RED COLOUR MUSHROOM HEAD, PRESS & TURN TO 'STOP' & REVERSE TURN TO RELEASE TYPE ACTUATOR OF 'SUDHIR' MAKE
- (NECESSARY PAD LOCKING ARRGT. IN 'STOP' POSITION WITHOUT LOCK)
- 4 - CONTRACTOR - 1 No. OF 'L & T/SIEMENS/SCHNEIDER' MAKE (REFER TABLE RELAY - 1 No. OF 'L & T/SIEMENS/SCHNEIDER' MAKE (REFER TABLE)
- 5 - TERMINALS - 2.5sq. mm CLIP-ON TYPE TERMINALS OF 'ELMEX/CONNECTWELL' MAKE
- 6 - CABLE ENTRIES - 3 Nos. M20 / 1/2" NPT / 3/4" ET EQUIVALENT
- CABLE ENTRIES FROM BOTTOM SIDE - REFER DRAWING
- 7 - CABLE GLAND - (Ex d) DOUBLE COMPRESSION TYPE CABLE GLAND OF 'SUDHIR' MAKE
- 8 - STOPPING PLUG - (Ex d) STOPPING PLUG OF 'SUDHIR' MAKE

CAT. No.		CAT. No.	
RCP/2015		RCP/2015	
MODEL No.:	DOLS/2015-9	MODEL No.:	DOLS/2015-9
DRN.		DRN.	
CHKD.		CHKD.	
APPR.		APPR.	
SHEET	1 OF 1	SHEET	1 OF 1
N. T. S.		N. T. S.	
REV.-0		REV.-0	

**SUDHIR SWITCHGEARS PVT. LTD.**  
 130, MULBARI SAMACHAR MARG, MULBARI - 400 023

TITLE : **FLAMEPROOF-WEATHERPROOF ENCLOSURE FOR DOL/STAR DELTA STARTER**

CHKD. CERT. No. : **IN/CIMFR/TR21/R/H124**  
 Dt. 08/07/2021

PESO No. : **P546047/1**  
 Dt. 30/10/2022

BIS LICENCE No. : **CM/L-0002914461**

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