



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	20 HP MOTOR
CONTACTOR	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.	1 No. 32 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.	1 No. 25-32 A
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.	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	6 Nos. 4sq. mm

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

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 - ELEMENT - 2 Nos. 10 Amp., 415V AC, (NO+I)NC CONTACT ELEMENT OF 'TEKING/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 - CONTACTOR - 1 No. CONTACTOR (REFER TABLE)
- 5 - RELAY - 1 No. OVER LOAD RELAY (REFER TABLE)
- 5 - TERMINALS - 2.5sq. mm CLIP-ON TYPE TERMINALS OF 'ELMEX/CONNECTWEL' 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

REV.	DATE	DESCRIPTION	DRN.	CHKD.	APPD.	SCALE	CAT. No.	MODEL No.	DRN.	CHKD.	APPD.	DRN.	CHKD.	APPD.	DRN.	CHKD.	APPD.	DRN.	CHKD.	APPD.	
Δ							RCP/2015	DOLS/2015-10													
Δ																					

NOTE : COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.

OVERALL DIMENSIONS ARE ±10mm

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

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

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

PESO No. : P546047/1

BIS LICENCE No. : CM/L-0002914461

THIS DRAWING IS PROPERTY OF "SUDHIR SWITCHGEARS PVT. LTD." AND MUST BE RETURNED ON REQUEST IF IT IS SUBMITTED AS CONFIDENTIAL INFORMATION IN CONNECTION WITH ENQUIRY, TENDER, ORDER, OR CONTRACTS IT IS NOT TO BE USED FOR ANY OTHER PURPOSE OR ORDER NOR MAY IT RE-COPIED OR LENT WITHOUT OUR AUTHORITY IN WRITING.