

SPECIFICATION FOR INVIDIA



SPECIFICATIONS

Rated Current (A)	63,100,125,160
Number of Poles	3P,4P (Neutral pole on left)
Utilization Category	A
Rated Operational Voltage	690 V
Rated Insulation Voltage	750 V
Rated Impulse Withstand Voltage	8kV
Rated Frequency	50/60 Hz

- **Rated Breaking Capacity (AC)** : $I_{cs} = I_{cu} = 100\%$

			63/100/125/160A
IEC-60947- 2	$I_{cs}=I_{cu}$ (kA)	220/240V	40
		380/415 V	25
		440/460 V	22
		480/500 V	20
		660/690 V	5

- **Performance parameters**

Mechanical Life (Operating Cycles)	25,000
Electrical Life @415 V (Operating Cycles) @1.0 In	10,000
Weight: 3 Pole (630 A/ 800 A)	1.5 kg
Weight: 4 Pole (630 A/ 800 A)	1.8 kg
Total Operating Time	<10 ms
Load line Biasing	No Load line biasing
Ref. Ambience Temperature	40° C
Operating Temperature	-5° to 70°C (No de-rating till 55 °C)
Pollution Degree	III
Protection Degree (Front)	IP20

- **Dimensions & Mounting**

Mounting Position	Vertical & 90° (All four direction)		
Dimensions	W	H	D
3 Pole	90	140	86
4Pole	120	140	86

- **Termination**

Finger Proof Termination		Yes, from Front (IP 20)	
Terminal Capacity			
Terminal Capacity	Front Terminal	Max Link Width (mm)	20
		Link Thickness (mm)	3 to 10
	Spreader	Max Link Width (mm)	20
Clearances	Phase to Phase in mm	10 without spreader	
		20 with spreader	
	Phase to Ground in mm	20	
Phase barrier length (mm)		100	
Termination Hardware		Allen Head M6 class 8.8	
Tightening Torque (Nm)		6 Nm	

- **Release:** Thermal Magnetic trip unit
- Thermal trip setting –0.8 to 1In
- Magnetic trip setting = 10In