

Technical Specification

CSE2	N		250		ATM			3P	-	Current Rating	
Frame Size	Breaking Capacity @ 415V AC		Ampere Frame		Trip Unit			Poles	Connection	(A)	
CSE1	M	25kA	CSE1	125AF	Thermal Magnetic	FMU	Adjustable Thermal Fixed Magnetic	3P	Front Connection	CSE1	16, 20, 25, 32, 40, 50, 63, 80, 100, 125
CSE2	N	35kA	CSE2	250AF		ATM	Adjustable Thermal Adjustable Magnetic	4P		CSE2	125, 160, 200, 250
CSE3	S	50kA	CSE3	400AF	*Magnetic	MTU	Magnetic only			CSE3	250, 320, 350, 400
					MicroProcessor	ETM	MicroPro WB (LSIGN) Adjustable				

Electrical Characteristics			CSE1			CSE2			CSE3		
Frame size		[AF]	125			250			400		
Rated current, In		[A]	16, 20, 25, 32, 40, 50, 63, 80, 100, 125			125, 160, 200, 250			250, 320, 350, 400		
Poles			3, 4			3, 4			3, 4		
Rated operational Voltage (Max.), Ue AC		[V]	690			690			690		
DC		[V]	250			250			250		
Rated impulse withstand Voltage, Uimp		[kV]	8			8			8		
Rated insulation voltage, Ui		[V]	750			750			750		
Category of Utilization			A			A			A		
Reference Standard			IS/IEC60947-2			IS/IEC60947-2			IS/IEC60947-2		
Rated ultimate short Circuit breaking capacity, Icu			M	N	S	M	N	S	M	N	S
AC 50/60Hz	220/240V	[kA]	35	50	75	35	50	75	35	50	75
	380/415V	[kA]	25	35	50	25	35	50	25	36	50
	440/460V	[kA]	15	25	37	15	25	37	15	25	37
	480/500V	[kA]	10	18	25	10	18	25	10	18	25
	600/690V	[kA]	5	5	7	5	5	7	5	5	7
DC (3 Pole in Series)	250V	[kA]	25	35	42	25	35	42	25	36	42
Rated service breaking capacity Ics as%Icu		★	100%	100%	100%	100%	100%	100%	100%	100%	100%
Trip Unit (Release)											
- Fixed Magnetic Unit (FMU)			available								
- Adjustable Thermal Magnetic (ATM)			available								
- Magnetic Unit (MTU)			available								
- Adjustable Microprocessor (ETM)			available								
Isolation Behaviour			available								
Total Opening Time			<10m sec.								
Mechanical Life [operation]			20000			20000			10000		
Electrical Life [operation]			5000			5000			3000		
Basic Dimension - WxHxD (mm)		3 Pole	92 x 150 x 81			108 x 165.8 x 81			150 x 260 x 110		
		4 Pole	122.5 x 150 x 81			142.5 x 165.8 x 81			198 x 260 x 110		
Weight (Kg)		3 Pole	1.65			2.2			4.8		
		4 Pole	1.98			2.65			5.8		
Mounting Positions			Vertical and 90° in both direction								

Internal Accessories		
- Auxiliary Switch		•
- Trip Alarm Switch		•
- Auxiliary & Trip Alarm Switch		•
- Shunt Release [voltage]	24V DC, 48V DC, 110V DC, 220VDC, 220V AC, 415V AC	
- Under Voltage Release [voltage]	24V DC, 48V DC, 110V DC, 220VDC, 220V AC, 415V AC	110V AC, 220VDC, 220V AC, 415V AC
External Accessories		
- Rotary Operating Mechanism		•
- Key Lock		•
- Mechanical Interlock		•
- Direct Pad Lock		•
- Extended Terminal		•

• Internal & External accessories available. Maximum possibilities of internal accessories, please refer page no. 7

MCCB with Magnetic Trip Release (for motor protection) is also available. For technical detail, please contact to nearest Branch Office.

* Available in 75% Icu & 50% Icu.