



MAXGUARD

Catalogue

EDITION

2026



MCCB CSDM Series
AC Moulded Case Circuit Breaker

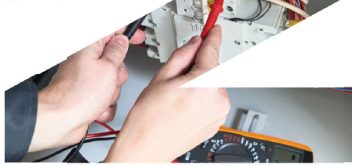


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**DISCLAIMER*

WE RESERVE THE RIGHT TO MAKE CHANGES TO THE CATALOGUE WITHOUT PRIOR NOTICE.





Description

- ▶ To protect conductors against overloads and short circuits currents in an electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



Technical Data

L Range

Models		CSDM-63L	CSDM-125L
Design according to		IEC 60947-2	
Poles		2P, 3P, 4P	3P, 4P
Rated current	I_n	20A, 32A, 40A, 50A, 63A	80A, 100A, 125A
Rated insulation voltage	U_i (V)	800 V ~	
Rated impulse withstand voltage	U_{imp} (kV)	8 kV	
Rated operating voltage	U_e (V)	400/415 V ~	
Breaking capacity range		L	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 25kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 15kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A \leftarrow	
Electrical & Mechanical life	Cycles	10,000 / 20,000	
Degree of Protection	IP	20	

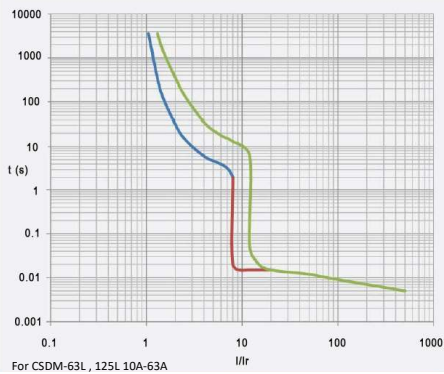
Applications



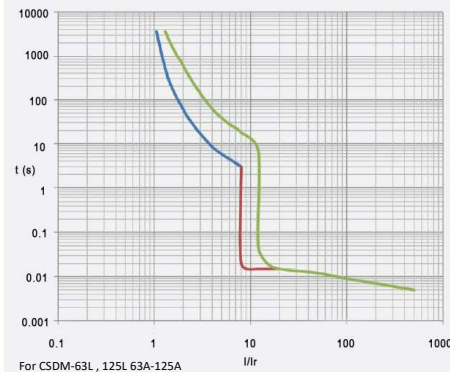
Approval / Marking



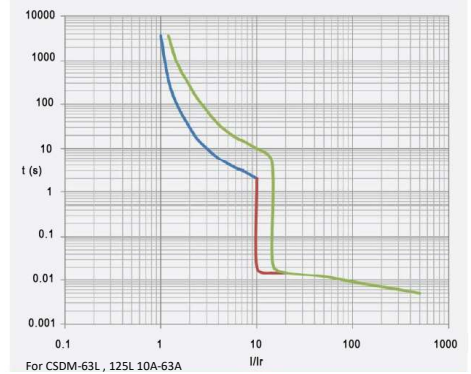
Distribution protection tripping characteristic curve



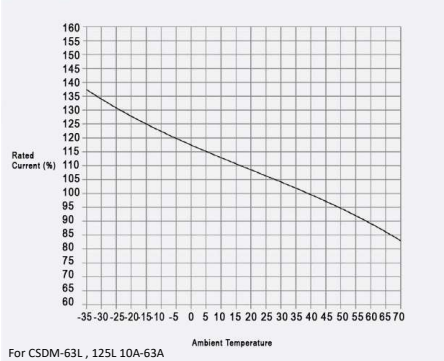
Distribution protection tripping characteristic curve



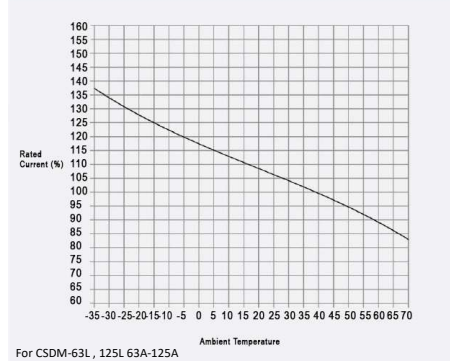
Motor protection tripping characteristic curve



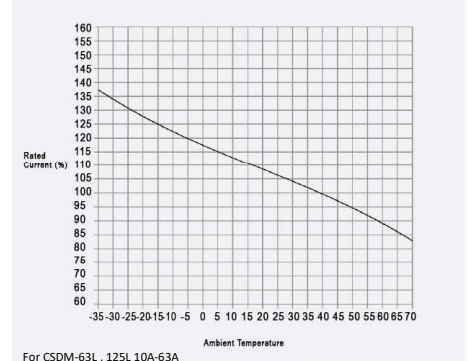
Temperature compensation curve








Temperature compensation curve







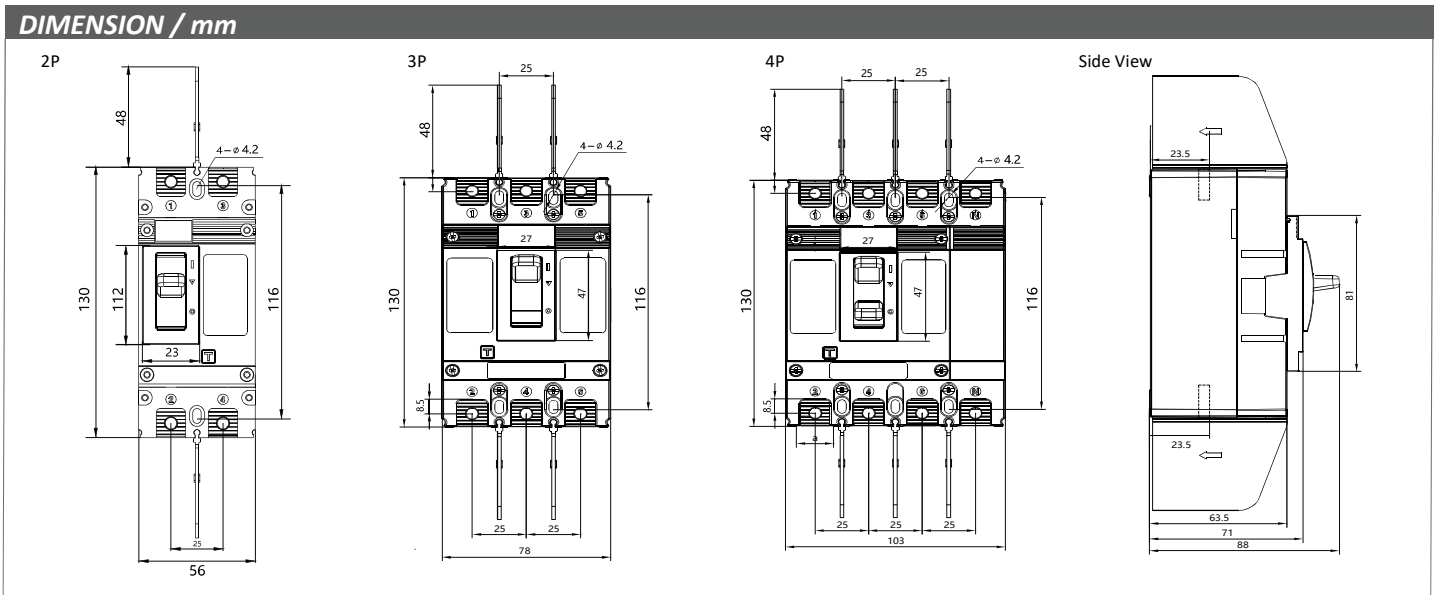
Temperature compensation curve



CSDM-63L SERIES			
Poles	2P	3P	4P
			 <small>*(N-Protected)</small>
In (A)			
20	CSDM63L/220	CSDM63L/320	CSDM63L/420
32	CSDM63L/232	CSDM63L/332	CSDM63L/432
40	CSDM63L/240	CSDM63L/340	CSDM63L/440
50	CSDM63L/250	CSDM63L/350	CSDM63L/450
63	CSDM63L/263	CSDM63L/363	CSDM63L/463

CSDM-125L SERIES			
Poles	3P	4P	
		 <small>*(N-Protected)</small>	
In (A)			
80	CSDM125L/380	CSDM125L/480	
100	CSDM125L/3100	CSDM125L/4100	
125	CSDM125L/3125	CSDM125L/4125	

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  <small>Installation guide</small>		
Stock code /w spec	CSDM-63/125ST (230V/240V~)	CSDM-63/125UV (400/415V~)	CSDM-63/125AX (1NO + 1NC)



4 CSDM (L Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



Technical Data

Models		CSDM-160L	CSDM-250L
Design according to		IEC 60947-2	
Poles		3P, 4P	
Rated current	I_n	160A	200A, 225A, 250A
Rated insulation voltage	U_i (V)	1000 V ~	
Rated impulse withstand voltage	U_{imp} (kV)	8 kV	
Rated operating voltage	U_e (V)	400/415 V ~	
Breaking capacity class		L	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 36kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 20kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A \leftarrow	
Electrical & Mechanical life	Cycles	10,000 / 20,000	
Degree of Protection	IP	20	

L Range

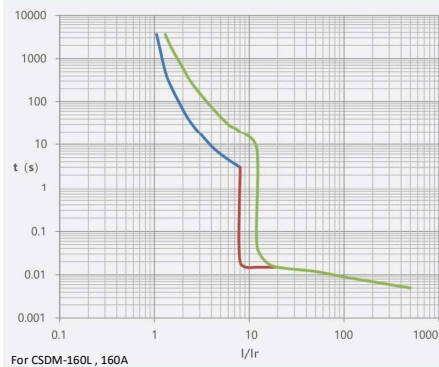
Applications



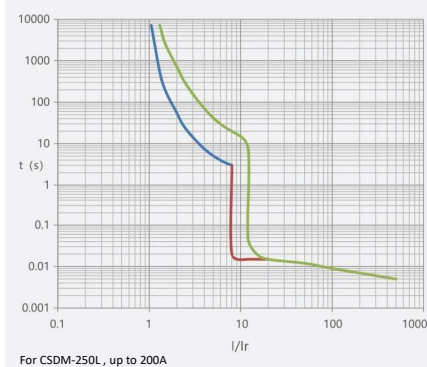
Approval / Marking



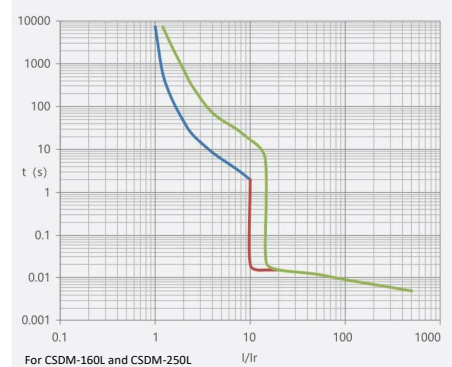
Distribution protection tripping characteristic curve



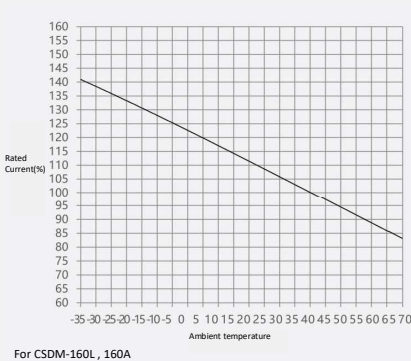
Distribution protection tripping characteristic curve



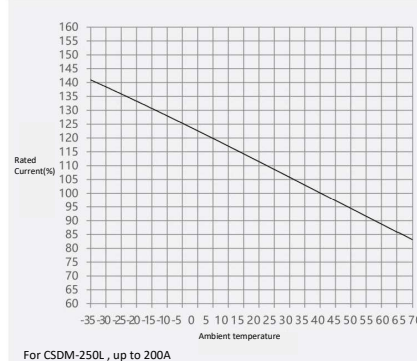
Motor protection tripping characteristic curve



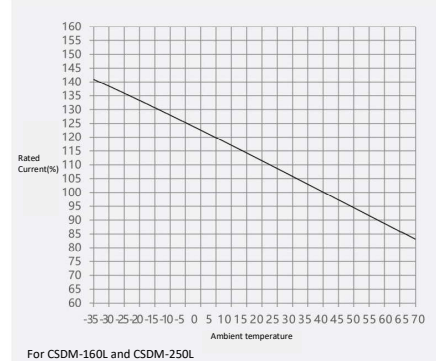
Temperature compensation curve





Temperature compensation curve





Temperature compensation curve







CSDM-160L SERIES

Poles	3P	4P
		 *(N-Protected)
In (A)		
160	CSDM160L/3160	CSDM160L/4160

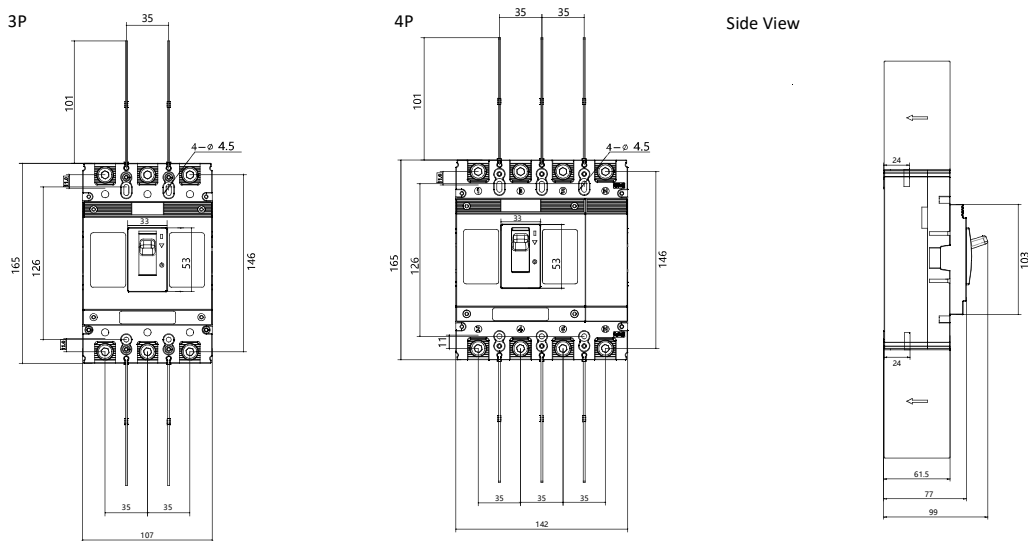
CSDM-250L SERIES

Poles	3P	4P
		 *(N-Protected)
In (A)		
200	CSDM250L/3200	CSDM250L/4200
225	CSDM250L/3225	CSDM250L/4225
250	CSDM250L/3250	CSDM250L/4250

ACCESSORIES

Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-160/250ST (230V/240V~)	CSDM-160/250UV (400/415V~)	CSDM-160/250AX (1NO + 1NC)

DIMENSION / mm





Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



L Range

Technical Data

Models		CSDM-400L	CSDM-630L
Design according to		IEC 60947-2	
Poles		3P, 4P(3P + N)	3P, 4P(3P + N)
Rated current	I_n	315A, 350A, 400A	500A, 630A
Rated insulation voltage	U_i (V)	1000 V ~	
Rated impulse withstand voltage	U_{imp} (kV)	12 kV	
Rated operating voltage	U_e (V)	400/415 V ~	
Breaking capacity class		L	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 50kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 36kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A	
Electrical & Mechanical life	Cycles	8,000 / 10,000	
Degree of Protection	IP	20	

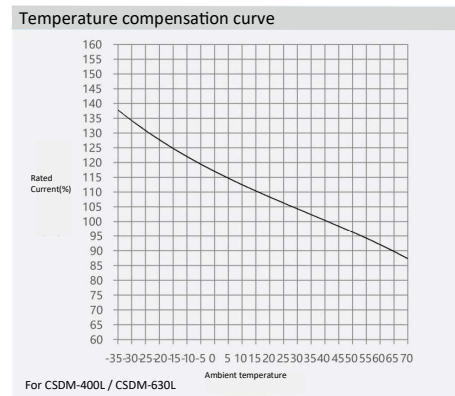
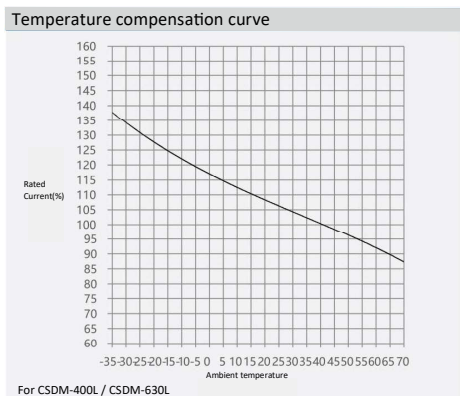
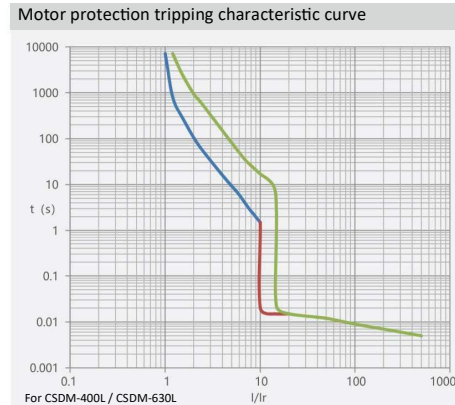
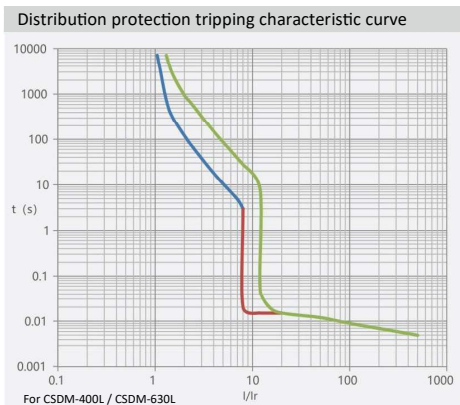
Applications







Approval / Marking



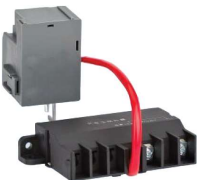



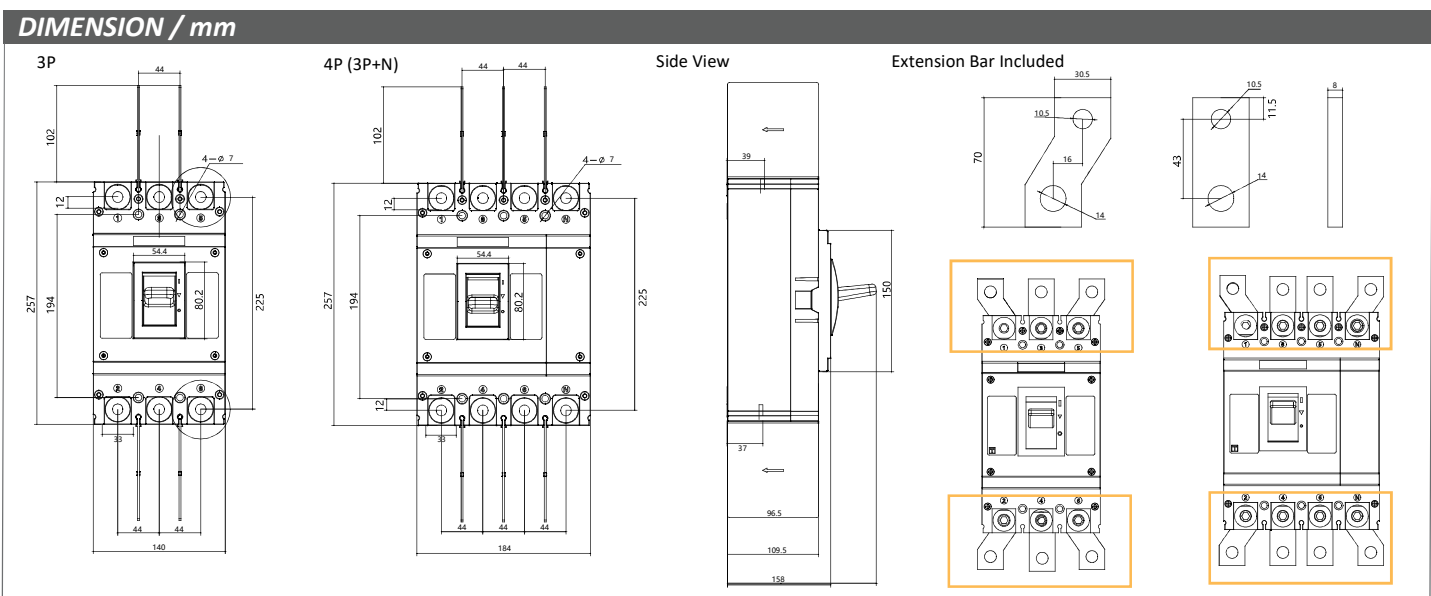
RoHS



CSDM-400L SERIES			
Poles	3P	4P (3P + N)	
			
In (A)			
315	CSDM400L/3315	CSDM400L/4315	
350	CSDM400L/3350	CSDM400L/4350	
400	CSDM400L/3400	CSDM400L/4400	

CSDM-630L SERIES			
Poles	3P	4P (3P + N)	
			
In (A)			
500	CSDM630L/3500	CSDM630L/4500	
630	CSDM630L/3630	CSDM630L/4630	

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-400/630ST (230V/240V~)	CSDM-400/630UV (400/415V~)	CSDM-400/630AX (1NO + 1NC)



8
CSDM (L Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



L Range

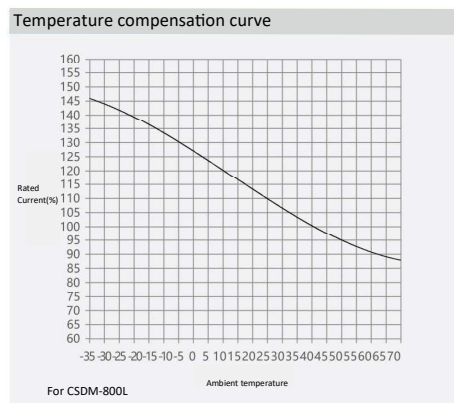
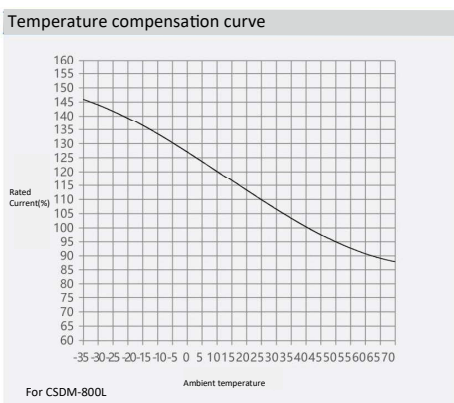
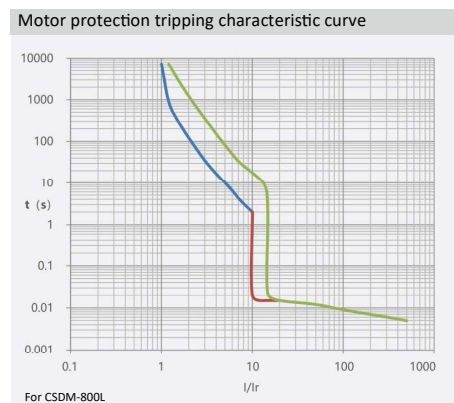
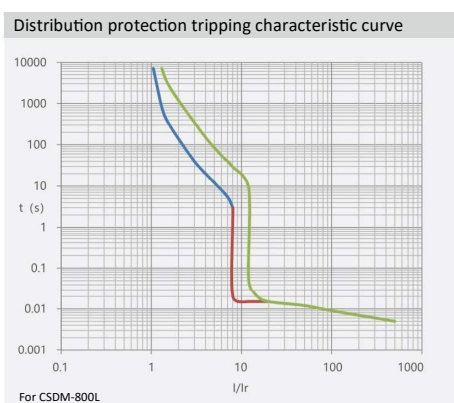
Technical Data

Models		CSDM-800L
Design according to		IEC 60947-2
Poles		3P, 4P(3P + N)
Rated current	I_n	800A
Rated insulation voltage	U_i (V)	1000 V~
Rated impulse withstand voltage	U_{imp} (kV)	12 kV
Rated operating voltage	U_e (V)	400/415 V ~
Breaking capacity class		L
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 50kA
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 36kA
Rated Operating Temperature		-5°C to +40°C
Utilization category		CAT A $\frac{1}{1}$
Electrical & Mechanical life	Cycles	8,000 / 10,000
Degree of Protection	IP	20



Applications







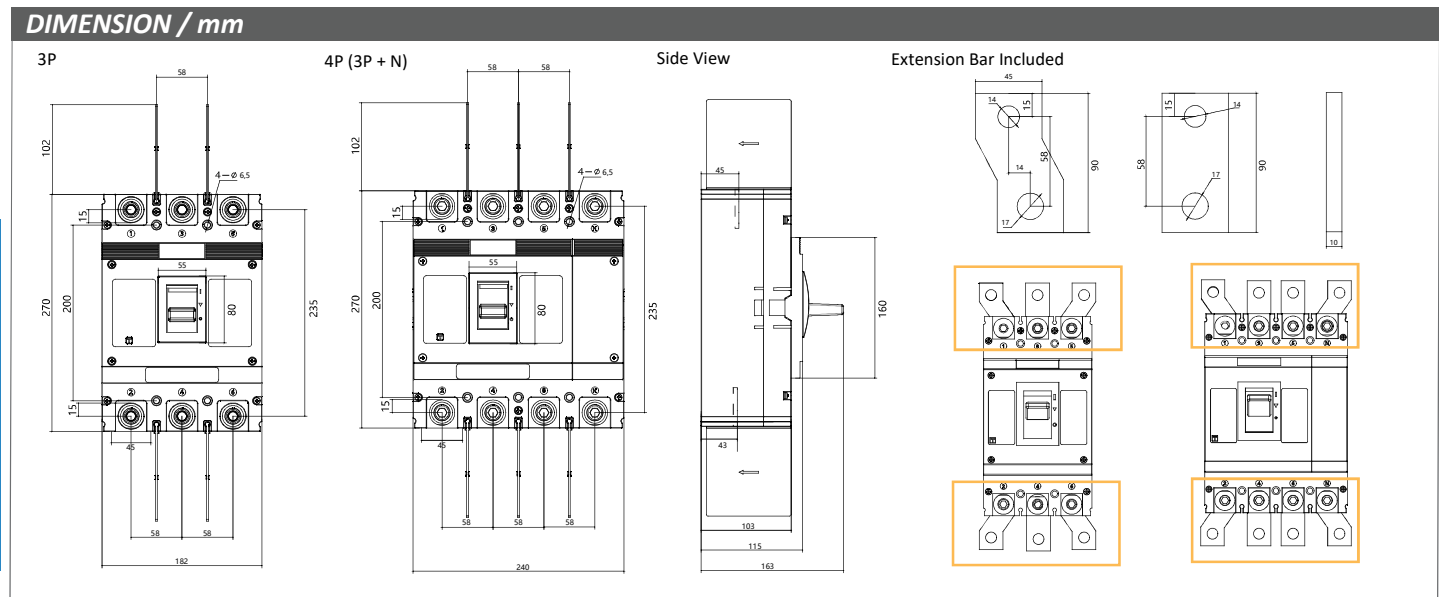
Approval / Marking



CSDM (L Range) 9

CSDM-800L SERIES		
Poles	3P	4P (3P + N)
		
In (A)		
800	CSDM800L/3800	CSDM800L/4800

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-800ST (230V/240V~)	CSDM-800UV (400/415V~)	CSDM-800AX (1NO + 1NC)



10
CSDM (L Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system
- ▶ Ensures safe and stable power distribution across electrical systems.



M Range

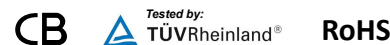
Technical Data

Models		CSDM-63M	CSDM-125M
Design according to		IEC 60947-2	
Poles		3P, 4P	3P, 4P
Rated current	I_n	20A, 32A, 40A, 50A, 63A	80A, 100A, 125A
Rated insulation voltage	U_i (V)	800 V	
Rated impulse withstand voltage	U_{imp} (kV)	8 kV	
Rated operating voltage	U_e (V)	400/415 V	
Breaking capacity class		M	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 36kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 25kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A $\frac{1}{1}$	
Electrical & Mechanical life	Cycles	10,000 / 20,000	
Enclosure	IP	20	

Applications

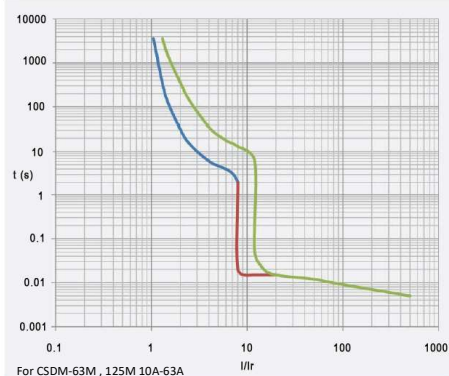


Approval / Marking

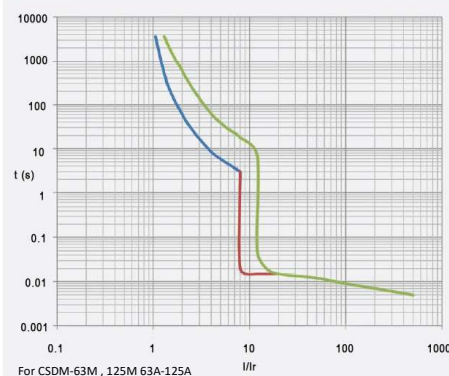


11
CSDM (M Range)

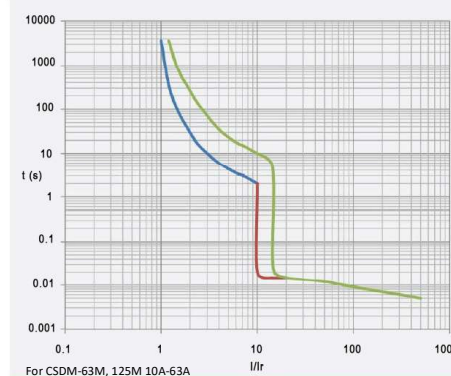
Distribution protection tripping characteristic curve



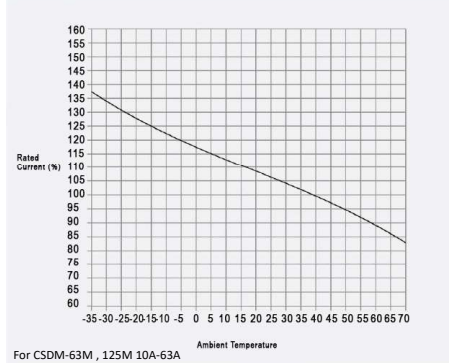
Distribution protection tripping characteristic curve



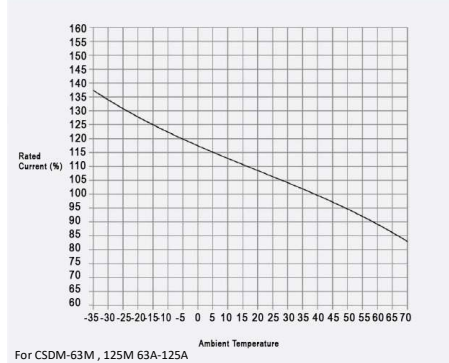
Motor protection tripping characteristic curve



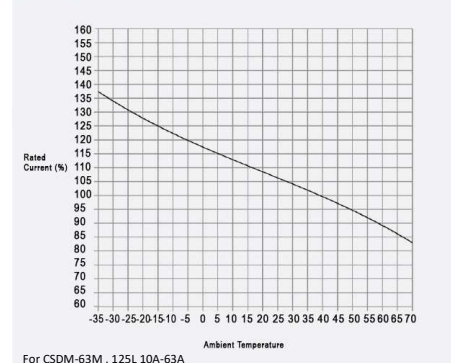
Temperature compensation curve







Temperature compensation curve







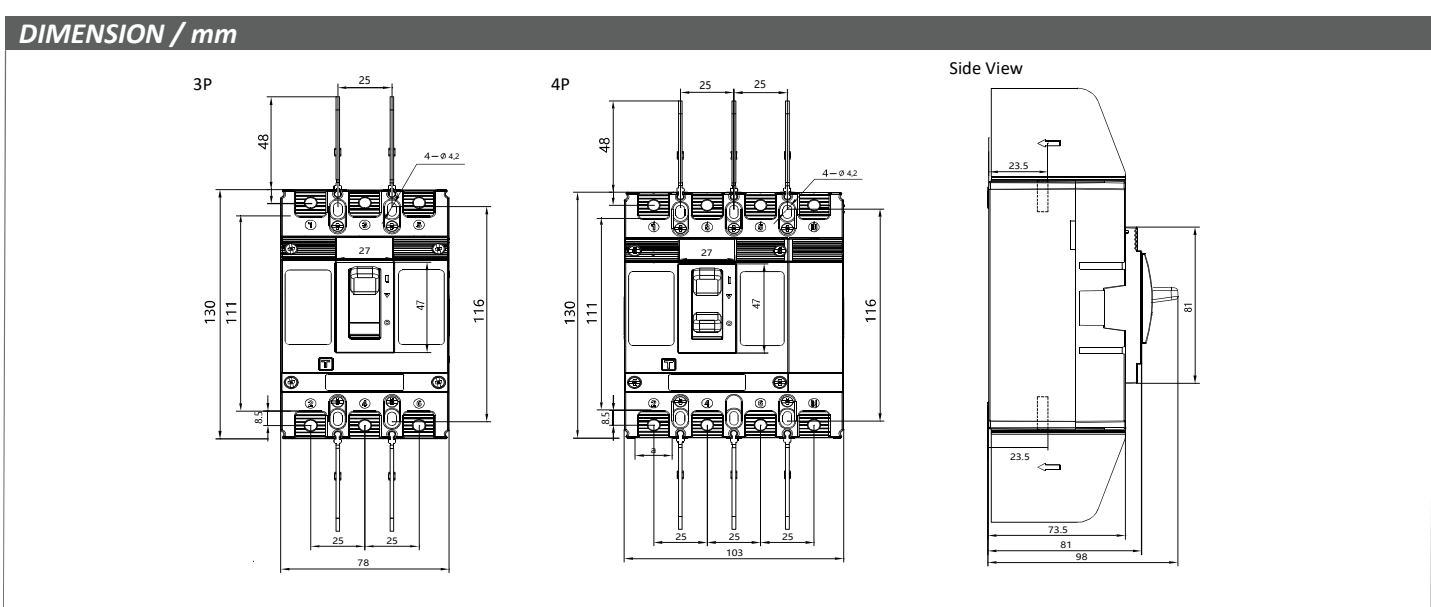
Temperature compensation curve



CSDM-63M SERIES		
Poles	3P	4P
		
		*(N-Protected)
In (A)		
20	CSDM63M/320	CSDM63M/420
32	CSDM63M/332	CSDM63M/432
40	CSDM63M/340	CSDM63M/440
50	CSDM63M/350	CSDM63M/450
63	CSDM63M/363	CSDM63M/463

CSDM-125M SERIES		
Poles	3P	4P
		
		*(N-Protected)
In (A)		
80	CSDM125M/380	CSDM125M/480
100	CSDM125M/3100	CSDM125M/4100
125	CSDM125M/3125	CSDM125M/4125

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-63/125ST (230V~)	CSDM-63/125UV (415V~)	CSDM-63/125AX (1NO + 1NC)



12
CSDM (M Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



Technical Data

M Range

Models		CSDM-160M	CSDM-250M
Design according to		IEC 60947-2	
Poles		3P, 4P	
Rated current	I_n	160A	200A, 225A, 250A
Rated insulation voltage	U_i (V)	800 V~	
Rated impulse withstand voltage	U_{imp} (kV)	8 kV	
Rated operating voltage	U_e (V)	400/415 V~	
Breaking capacity class		M	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 50kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 36kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A $\frac{1}{1}$	
Electrical & Mechanical life	Cycles	10,000 / 20,000	
Degree of Protection	IP	20	

Applications

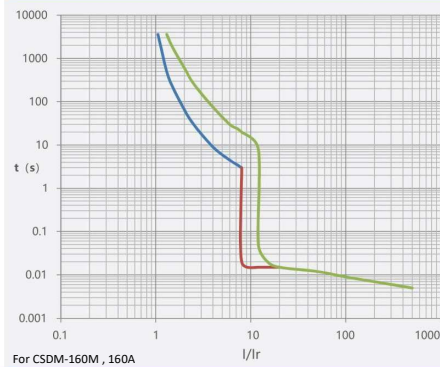


Approval / Marking

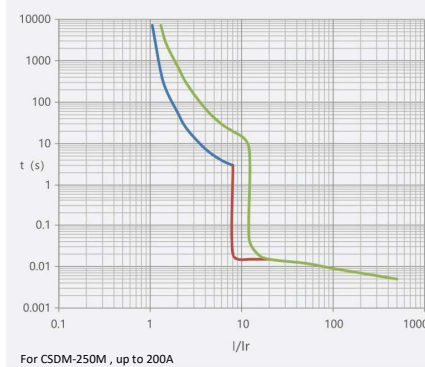


OPERATING MANUAL

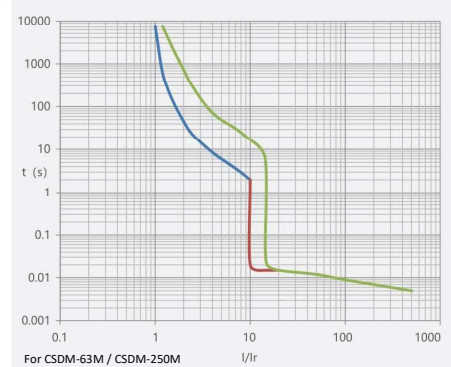
Distribution protection tripping characteristic curve



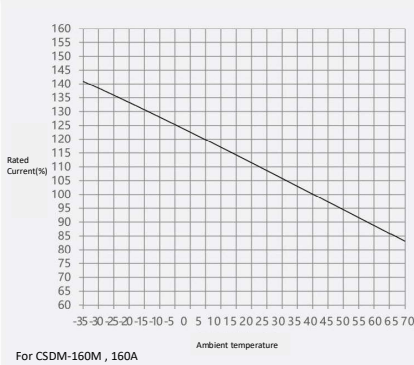
Distribution protection tripping characteristic curve



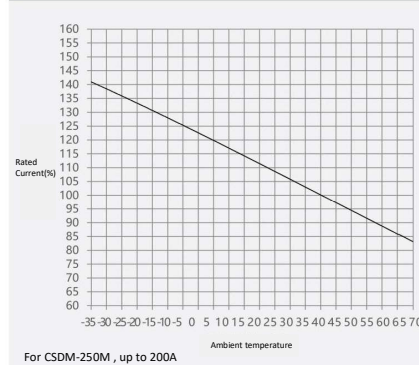
Motor protection tripping characteristic curve



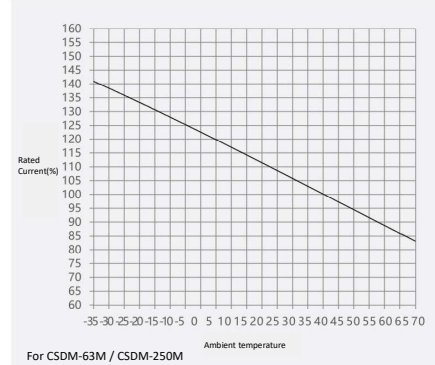
Temperature compensation curve





Temperature compensation curve





Temperature compensation curve







CSDM-160M SERIES

Poles	3P	4P
		
In (A)		* (N-Protected)
160	CSDM160M/3160	CSDM160M/4160

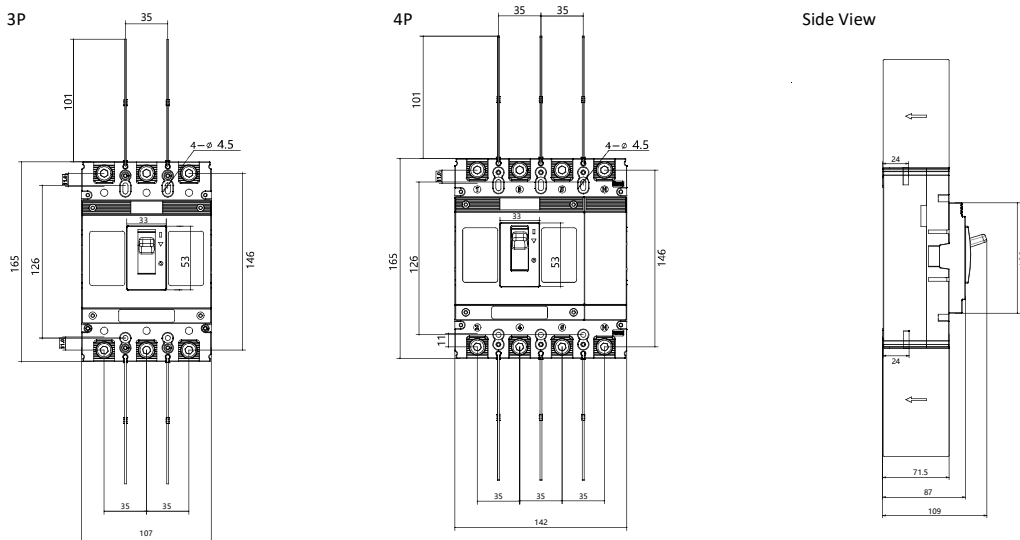
CSDM-250M SERIES

Poles	3P	4P
		
In (A)		* (N-Protected)
200	CSDM250M/3200	CSDM250M/4200
225	CSDM250M/3225	CSDM250M/4225
250	CSDM250M/3250	CSDM250M/4250

ACCESSORIES

Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-160/250ST (230V/240V~)	CSDM-160/250UV (400/415V~)	CSDM-160/250AX (1NO + 1NC)

DIMENSION / mm



14
CSDM (M Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



Technical Data

M Range

Models		CSDM-400M	CSDM-630M
Design according to		IEC 60947-2	
Poles		3P, 4P (3P + N)	3P, 4P (3P + N)
Rated current	I_n	315A, 350A, 400A	500A, 630A
Rated insulation voltage	U_i (V)	1000 V ~	
Rated impulse withstand voltage	U_{imp} (kV)	12 kV	
Rated operating voltage	U_e (V)	400/415 V ~	
Breaking capacity class		M	
Rated ultimate short-circuit breaking capacity	r.m.s I_{cu} (kA)	I_{cu} 70kA	
Rated service short-circuit breaking capacity	I_{cs} (kA)	I_{cs} 50kA	
Rated Operating Temperature		-5°C to +40°C	
Utilization category		CAT A \curvearrowright	
Electrical & Mechanical life	Cycles	8,000 / 10,000	
Degree of Protection	IP	20	

Applications



Approval / Marking



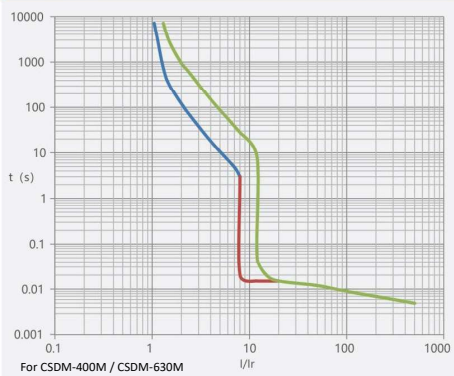
RoHS



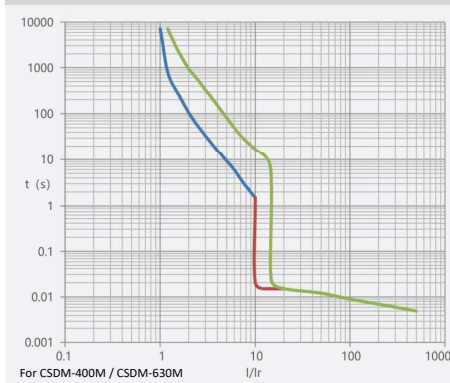
SCAN ME

OPERATING MANUAL

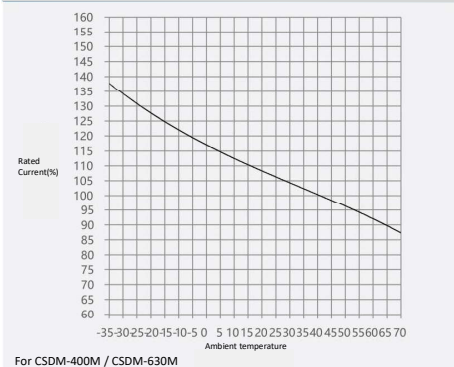
Distribution protection tripping characteristic curve



Motor protection tripping characteristic curve







Temperature compensation curve







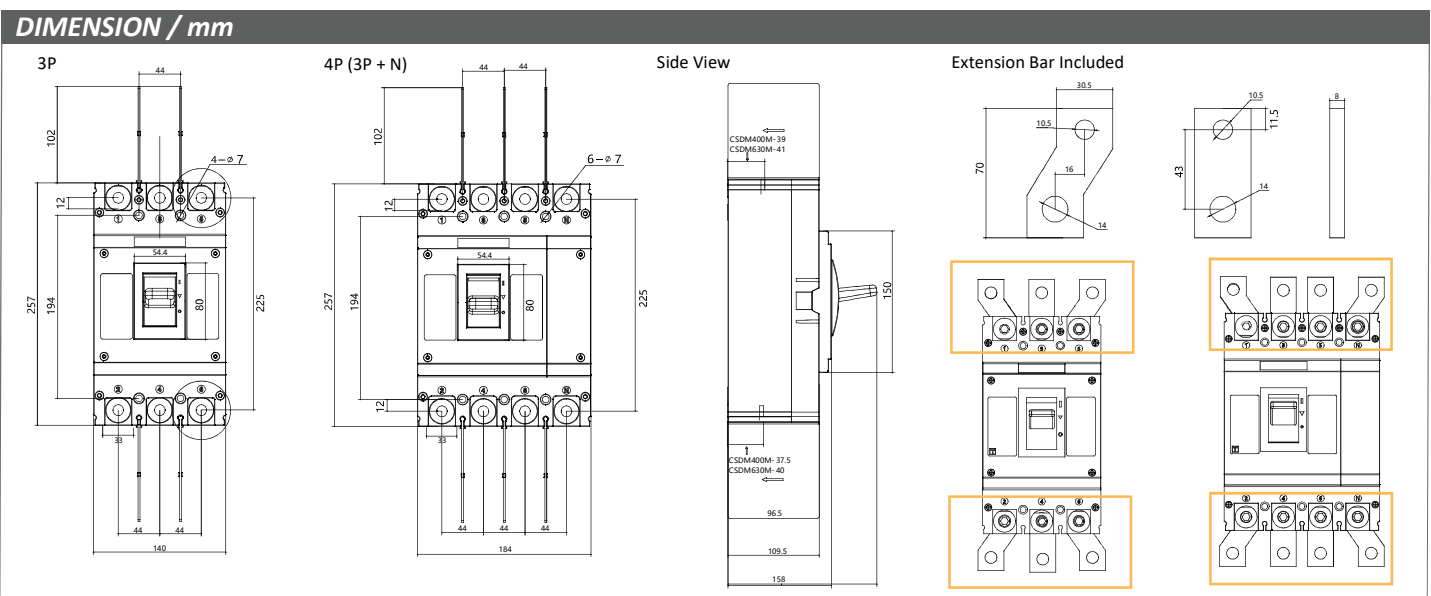
Temperature compensation curve



CSDM-400M SERIES			
Poles	3P	4P (3P + N)	
			
In (A)			
315	CSDM400M/3315	CSDM400M/4315	
350	CSDM400M/3350	CSDM400M/4350	
400	CSDM400M/3400	CSDM400M/4400	

CSDM-630M SERIES			
Poles	3P	4P (3P + N)	
			
In (A)			
500	CSDM630M/3500	CSDM630M/4500	
630	CSDM630M/3600	CSDM630M/4630	

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
	  Installation guide		
Stock code /w spec	CSDM-400/630ST (230V/240V~)	CSDM-400/630UV (400/415V~)	CSDM-400/630AX (1NO + 1NC)



16
CSDM (M Range)



Description

- ▶ To protect conductors against overloads and short circuits currents in electrical distribution system.
- ▶ Ensures safe and consistent power protection capability.



Technical Data

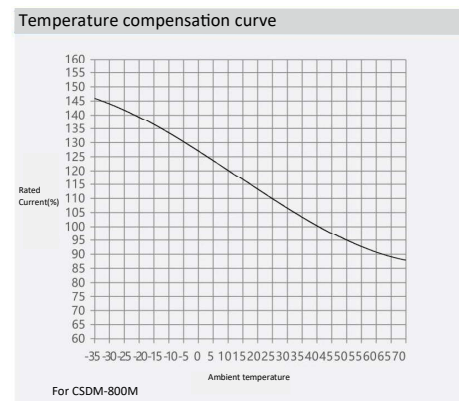
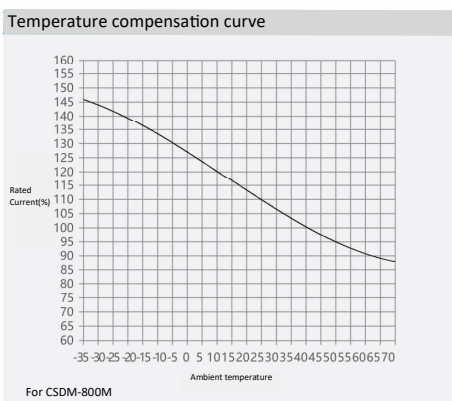
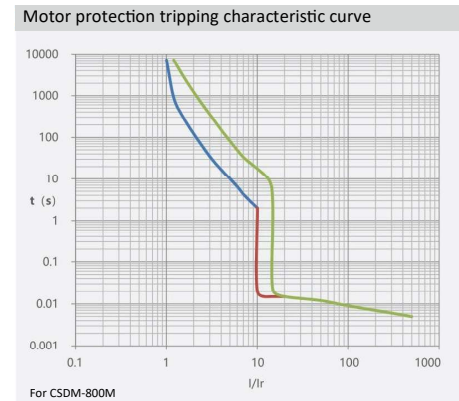
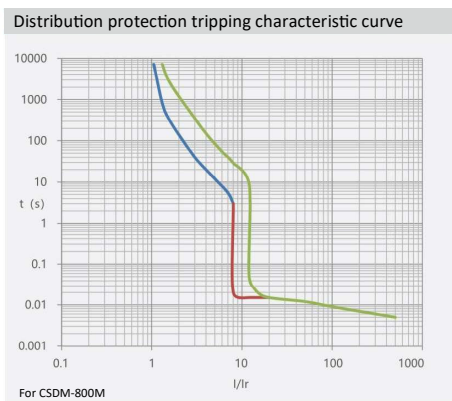
M Range



Models		CSDM-800M
Design according to		IEC 60947-2
Poles		3P, 4P (3P + N)
Rated current	I_n	800A
Rated insulation voltage	U_i (V)	1000 V~
Rated impulse withstand voltage	U_{imp} (kV)	12 kV
Rated operating voltage	U_e (V)	400/415 V ~
Breaking capacity class		M
Rated ultimate short-circuit breaking capacity	I_{cu} (kA)	I_{cu} 70kA
Rated service short-circuit breaking capacity	r.m.s I_{cs} (kA)	I_{cs} 50kA
Rated Operating Temperature		-5°C to +40°C
Utilization category		CAT A
Electrical & Mechanical life	Cycles	5,000 / 10,000
Degree of Protection	IP	20




Applications

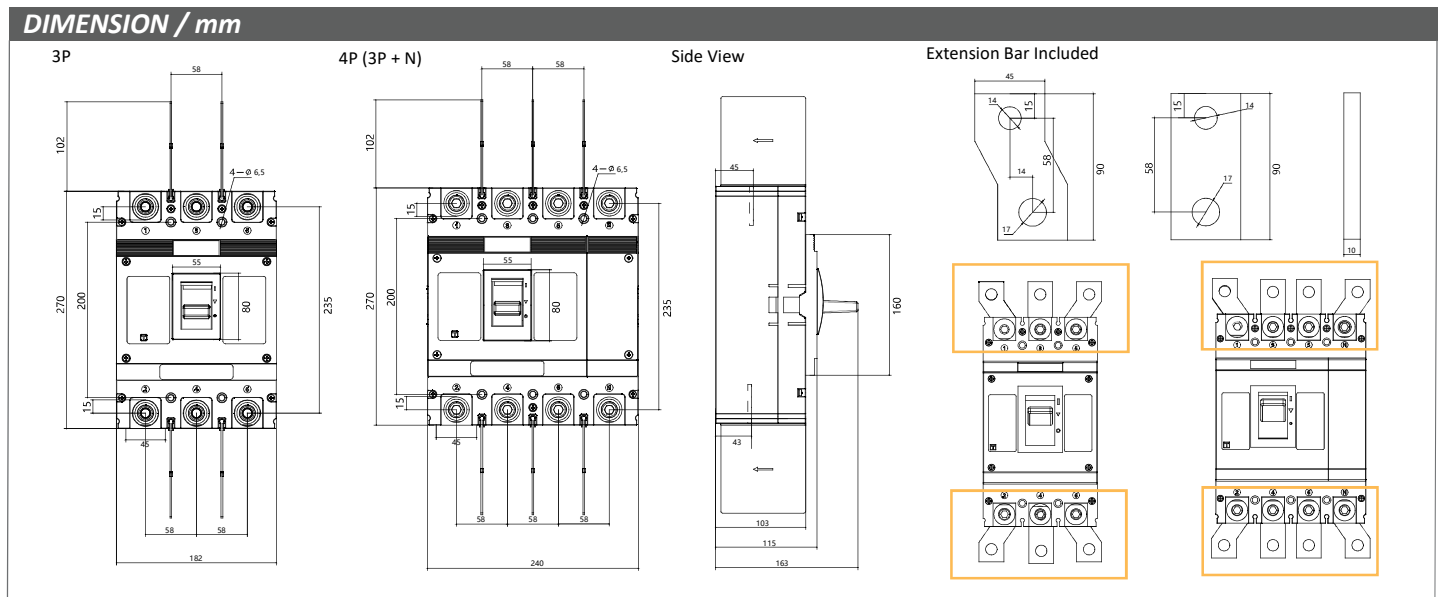


Approval / Marking



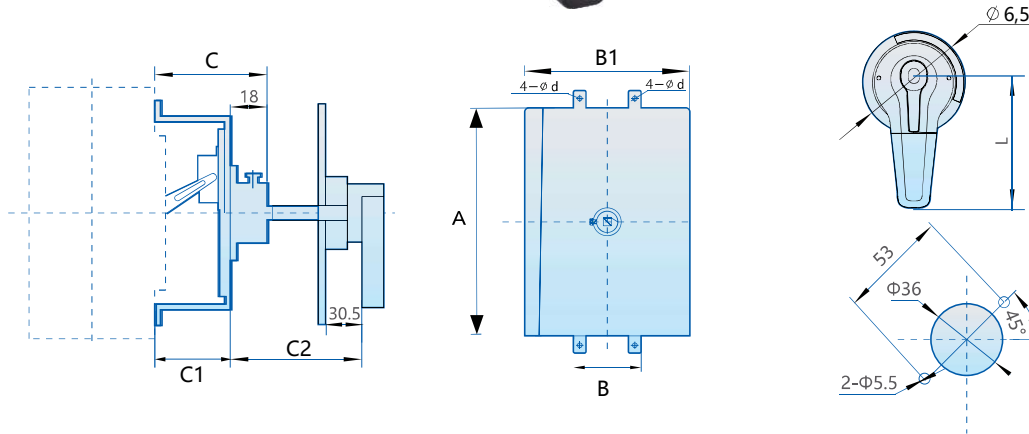
CSDM-800M SERIES		
Poles	3P	4P (3P + N)
		
In (A)		
800	CSDM800M/3800	CSDM800M/4800

ACCESSORIES			
Item	SHUNT TRIP RELEASE	UNDER VOLTAGE RELEASE	AUXILIARY CONTACT
			
Stock code /w spec	CSDM-800ST (230V/240V~)	CSDM-800UV (400/415V~)	CSDM-800AX (1NO + 1NC)



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CSDM (M Range)

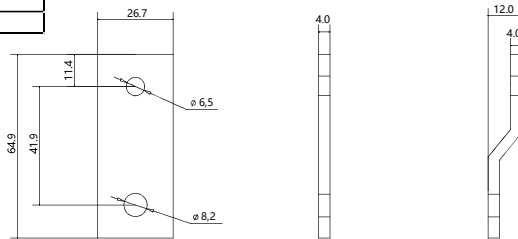
MCCB EXTEND HANDLES



Cat No.	MEH 125	MEH 250	MEH 630	MEH 800
Frame Size	CSDM-63L, 125L/M	CSDM-160/M, 250L/M	CSDM-400L/M, 630L/M	CSDM-800L/M
A (mm)	85	105	164	164
B (mm)	25	35	128	68
B1 (mm)	77	105	140	80
C (mm)	50	63	86	92
C1 (mm)	35	45	68	74
C2 (mm)	120	120	130	125
∅d (mm)	4	4	4.5	6
L (mm)	90	90	150	150

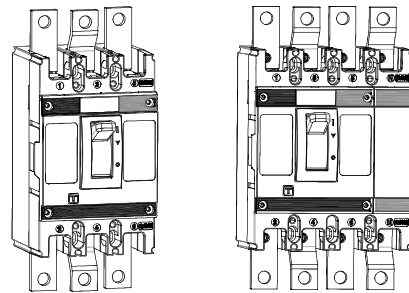
MCCB BUSBAR

POLES	STOCK CODE
3P	MEB 125 3
4P	MEB 125 4

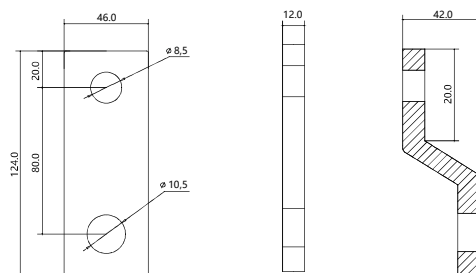


*All measurement is in mm

COMPATIBLE WITH CSDM-63L & M / CSDM-125L & M



POLES	STOCK CODE
3P	MEB 250 3
4P	MEB 250 4



*All measurement is in mm

COMPATIBLE WITH CSDM-160L & M / CSDM-250L & M

