

Product Data Sheet

Molded Case Circuit Breakers (MCCBs)

VA-99M 50°C EKF

Standard: IEC 60947-2



Specifications

Series Name	VA-99M 50°C		
Device Application	Distribution		
Input Voltage Type	AC		
Network Frequency [Hz]	50 / 60		
Rated Operating Voltage [Ue, V]	220 / 230 / 240 / 380 / 400 / 415 / 690		
Rated Insulation Voltage [Ui, V]	800		
Rated Impulse Withstand Voltage [Uimp, kV]	8		
Operation Ambient Temperatures [°C]	-25 to +55		
Degree Of Protection	IP30		
Warranty Period	7 years		
Trip Unit	Thermal-magnetic	Electromagnetic	Electronic
Trip Unit Technology	Non-adjustable thermomagnetic	Non-adjustable electromagnetic	Adjustable: Ir, Tr, Isd, Tsd, Ii
Calibration Temperature [Tset, °C]	50	-	-
Protection Type	LI	I	LSI
Poles	3P; 4P; 1P*	3P; 4P	3P; 4P
Frames	63, 100, 250, 400, 630, 800, 1250	100, 250, 400, 800	100, 250, 400, 630, 800, 1250
Utilization Category	A	A	B



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Trip Unit	Thermal-magnetic	Electromagnetic	Electronic
Rated Current [In, A]	Frame 63: 16, 20, 25, 32, 40, 50, 63 Frame 100: 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 Frame 250: 100, 125, 160, 200, 225, 250 Frame 400: 250, 315, 400 Frame 630: 400, 500, 630 Frame 800: 630, 800, 1000 Frame 1250: 800, 1000, 1250	Frame 100: 32, 63, 100 Frame 250: 160, 250 Frame 400: 400	Frame 100: 63, 100 Frame 250: 250 Frame 400: 400 Frame 630: 630 Frame 800: 800 Frame 1250: 1250
Ultimate Short-Circuit Breaking Capacity, 380/400/415 V AC [Icu, kA]	Frames 63/100: 25 Frames 250/400: 35 Frames 630/800/1250: 50	Frame 100: 25 Frames 250/400: 35 Frame 800: 50	Frame 100: 25 Frames 250/400: 35 Frames 630/800/1250: 50
Service Short-Circuit Breaking Capacity, 380/400/415 V AC [Ics, kA]	Frames 63/100: 18 Frames 250/400: 26 Frames 630/800/1250: 35	Frame 100: 18 Frames 250/400: 26 Frame 800: 35	Frame 100: 18 Frames 250/400: 26 Frames 630/800/1250: 35
Ultimate Short-Circuit Breaking Capacity, 220/230/240 V AC [Icu, kA]	Frames 63/100: 36 Frames 250/400: 50 Frames 630/800/1250: 75	Frame 100: 36 Frames 250/400: 50 Frame 800: 75	Frame 100: 36 Frames 250/400: 50 Frames 630/800/1250: 75
Service Short-Circuit Breaking Capacity, 220/230/240 V AC [Ics, kA]	Frames 63/100: 28 Frames 250/400: 36 Frames 630/800/1250: 50	Frame 100: 28 Frames 250/400: 36 Frame 800: 50	Frame 100: 28 Frames 250/400: 36 Frames 630/800/1250: 50
Contacts	Auxiliary; Alarm; Combined	Auxiliary; Alarm; Combined	Combined
Releases	Shunt; Undervoltage	Shunt; Undervoltage	-
Control	Motor mechanism	Motor mechanism	-
	Extended rotary handle	Extended rotary handle	-
Terminal Accessories	Terminal extender	Terminal extender	-

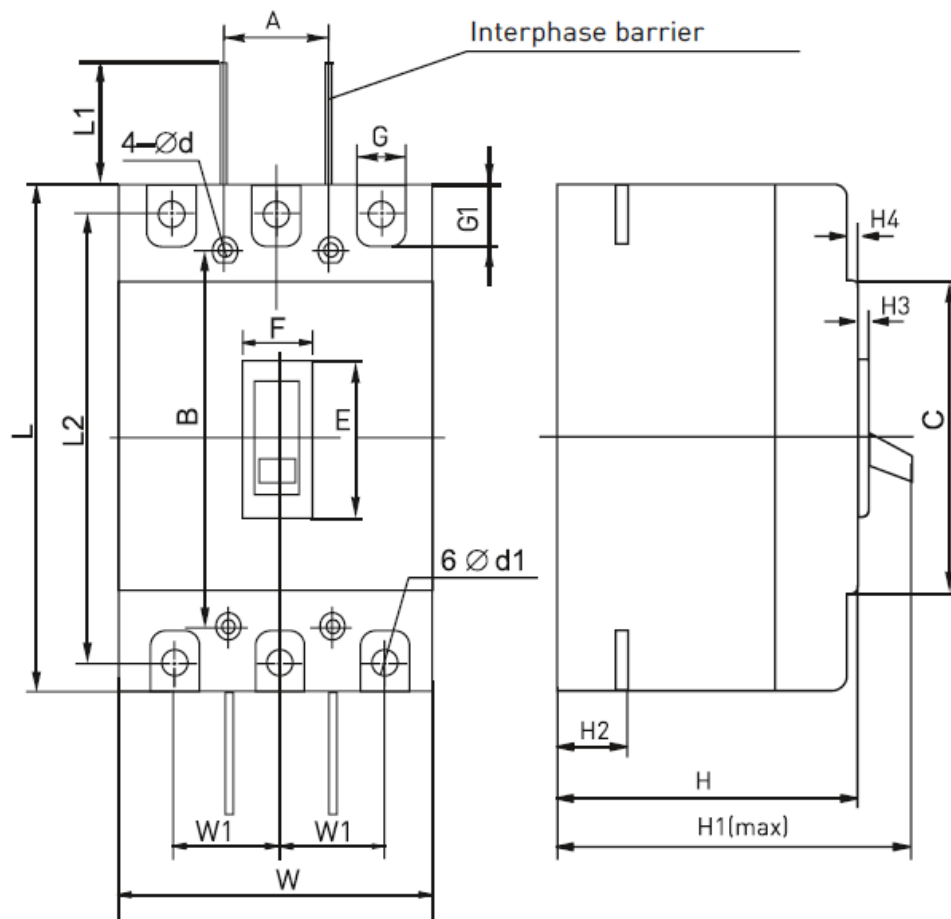
*Datasheet for 1P version is available on request



Overall & Installation Dimensions (mm)

MCCBs with thermomagnetic trip unit

Frames 63 / 100 / 250



Dimensions, mm		Name		
		VA-99M/63 A	VA-99M/100 A	VA-99M/250 A
Overall dimensions	C	85	84	102
	E	48	50	50
	F	22	22	22
	G	14	17	23
	G1	14	16	24
	H	72	68	88
	H1	90	88	110
	H2	20	24	24
	H3	4,5	4	4
	H4	7	7	5
	L	136	150	165
	L1	14	60	80
	L2	117	132	144
	W	76	92	107
Installation dimensions	W1	25	30	35
	A	25	30	35
	B	117	129	126
	Ø d	3,5	4,5	5,5
	Ø d1	7	10	10

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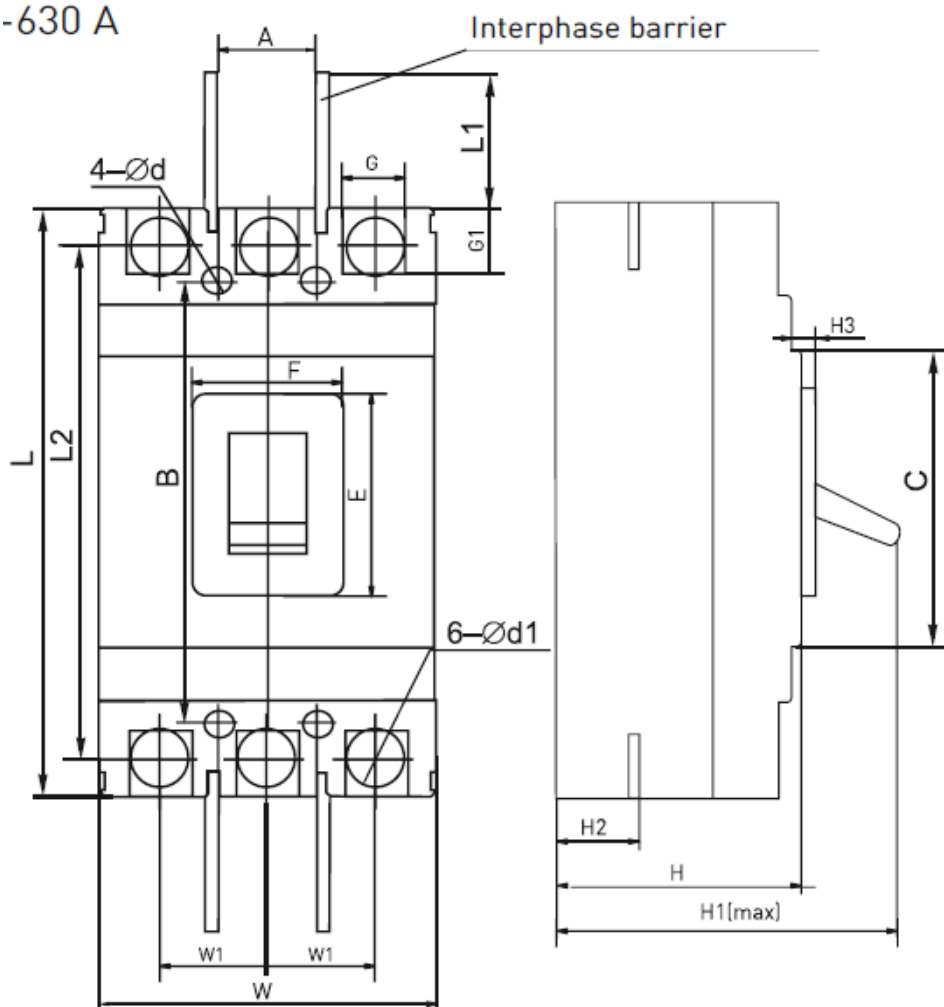
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Frames 400 / 630

-630 A



Dimensions, mm		Name	
		VA-99M/400 A	VA-99M/630 A
Overall dimensions	C	127	134
	E	86	88
	F	90	64
	G	32	45
	G1	32	34
	H	106	111
	H1	150	156
	H2	38	44
	H3	6	6,5
	L	258	272
	L1	105	105
	L2	225	234
	W	149	183
	W1	44	58
Installation dimensions	A	44	58
	B	194	200
	Ø d	7	7
	Ø d1	26	30



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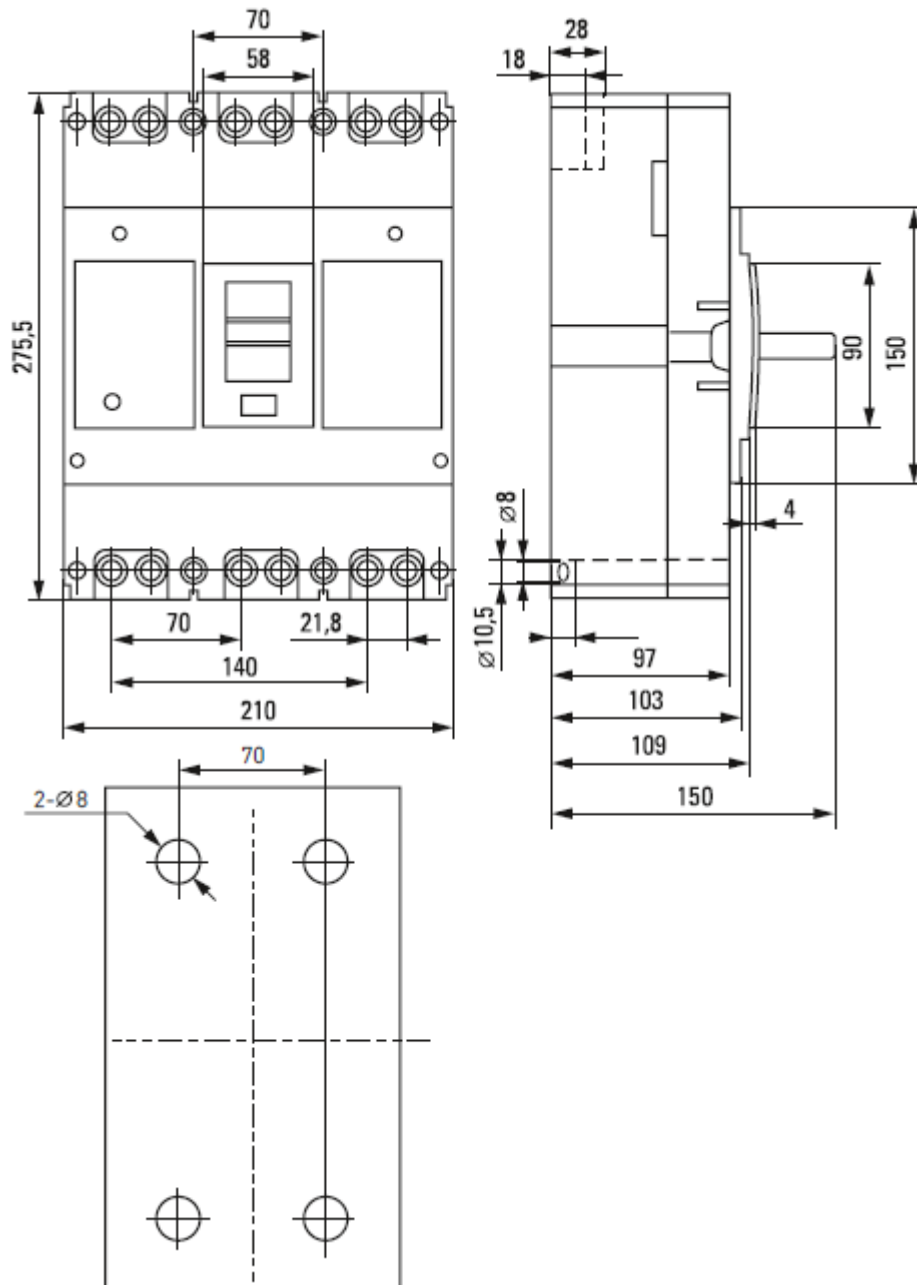
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Frames 800 / 1000





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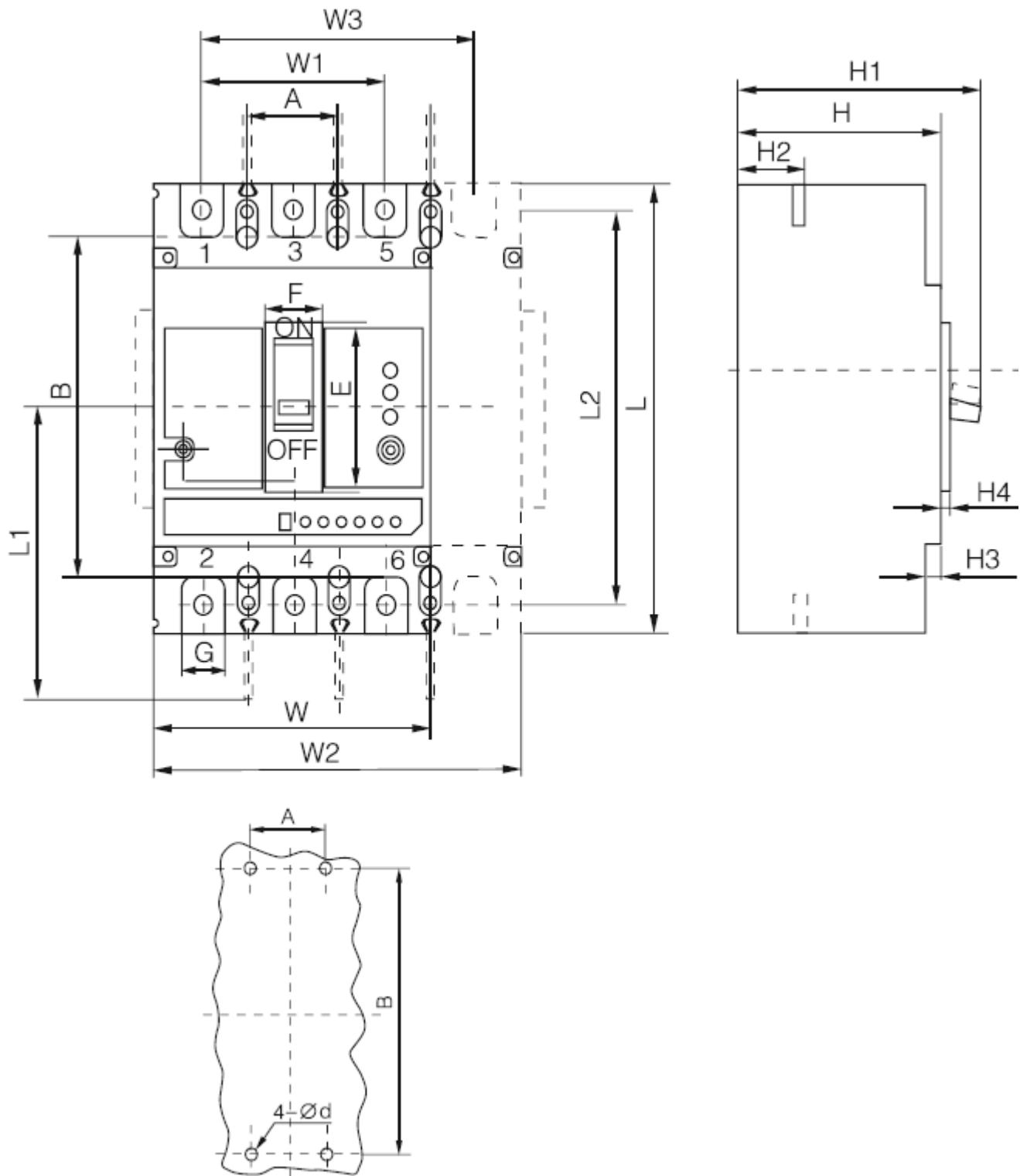
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MCCBs with electronic trip unit

Frames 100 / 250 / 400 / 630 / 800



Dimensions, mm		Name			
		VA-99M 100 A	VA-99M 250 A	VA-99M 400 A	VA-99M 630-800 A
Overall dimensions	E	50	62	88,6	81
	F	22	22	65	66
	G	17,6	22	30	44
	H	92	90	106	107
	H1	108	109	150	150
	H2	28,5	24	38	45,3
	H3	10	5	4,5	8
	H4	4	4	3,5	9
	L	150	165	258	280
	L1	100	132,5	220,5	240
	L2	132	144	224	243
	W	92	107	149	210
	W1	60	70	96	140
	W2	122	142	198	280
	W3	90	105	144	210
Installation dimensions	A	30	35	44	70
	B	129	126	194	243
	Ø d	4,5	4,5	7	7



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Frame 1250

