

LV MCCB, Thermal-Magnetic Adjustable Type - Technical Specifications

Type				C160	K 160	M160	K 250	M 250	S 250	
Standard				IEC / EN 60947-2	IEC / EN 60947-2	IEC / EN 60947-2	IEC/EN 60947-2	IEC / EN 60947-2	IEC / EN 60947-2	
Rated Current In (at 40°C)	A			16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	40, 50, 63, 80, 100, 125, 160	63, 80, 100, 125, 160, 200, 250	32, 40, 50, 63, 80, 100, 125, 160, 200, 250	100, 125, 160, 200, 250	
No of Poles				3	3 4	3	3 4	3 4	3	
Frequency	Hz			50-60	50-60	50-60	50-60	50-60	50-60	
Rated Operating Voltage	Ue	V	AC	400	415	400	400	400	400	
Rated Insulation Voltage	Ui	V	AC	690	750	750	690	750	750	
Power Frequency Withstand Test at 1 Minute		V	AC	3000	3000	3000	3000	3000	3000	
Rated Impulse Withstand Voltage	Uimp	kV	AC	8	8	8	8	8	8	
Rated Ultimate Short Circuit Breaking Capacity	Icu	kA	690 V AC	5	8	10	8	10	16	
			500 V AC	7	9	18	9	18	42	
			440 V AC	15	22	42	22	42	50	
			415 V AC	25	36	50	36	50	70	
			240 V AC	35	50	65	50	65	100	
			250 V DC (3 poles serial)	10	15	25	15	25	30	
Rated Service Short Circuit Breaking Capacity	Ics	kA	690 V AC	5	8	8	8	10	8	
			500 V AC	7	9	14	9	18	21	
			440 V AC	10	22	32	22	42	25	
			415 V AC	18	50	50	18	50	52	
			240 V AC	25	50	50	50	65	50	
			250 V DC (3 poles serial)	5	10	19	10	25	23	
Category (IEC/EN 60947-2)				A	A	A	A	A	A	
Pollution Degree				3	3	3	3	3	3	
Electrical Life (Operation)	ON - OFF	415 V		5000	8000	8000	8000	8000	8000	
Mechanical Life (Operation)	ON - OFF			15000	20000	20000	20000	20000	20000	
Protection Unit				Thermal Adjustable Magnetic Fixed			Thermal Magnetic Adjustable			
Protection Unit (Power & Network System Protection)				Ir: (0,8-1)xIn ; Im: 10xIn	Ir: (0,7-1)xIn ; Im: 10xIn	Ir: (0,8-1)xIn ; Im: 10xIn	Ir: (0,7-1)xIn ; Im: (5-10)xIn	Ir: (0,7-1)xIn ; Im: (5-10)xIn	Ir: (0,8-1)xIn ; Im: (5-10)xIn	
Protection Unit (AC Motors Protection)				Ir: (0,8-1)xIn ; Im: 15xIn	Ir: (0,7-1)xIn ; Im: 15xIn	Ir: (0,8-1)xIn ; Im: 15xIn	Ir: (0,7-1)xIn ; Im: (10-15)xIn	Ir: (0,7-1)xIn ; Im: (10-15)xIn	Ir: (0,8-1)xIn ; Im: (10-15)xIn	
Ambient Operation Temperature	°C			-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	
Ambient Storage Temperature	°C			-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80	
Dimensions	Width	mm		90	105 140	90	105 140	105 140	105	
	Length	mm		141	178 169	138	178 161	178 161	161	
	Depth	mm		75	89 89	89	89 89	89 89	89	
Accessories										
Shunt Trip Release				√	√	√	√	√	√	
Under Voltage Release				√	√	√	√	√	√	
Auxiliary Contact				√	√	√	√	√	√	
Alarm Contact				√	√	√	√	√	√	
Motor Operator				-	√	-	√	√	-	
Ext. Rotary Handle				-	√	√	√	√	√	
Connection Clamp				Standard	√	-	√	√	-	
Mechanical Lock Ped				√	√	-	√	√	-	
Extention Bus Bar				-	√	√	√	√	√	