

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 & NetworkSystem 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				—	√		√	√		√		√