



Product designation			Motor protection circuit breaker	
Product type designation			11SM1B	
Electrical features				
Number of poles	Nr.	3		
Magnetic protection		yes		
Thermal protection		yes		
Phase failure detection		yes		
Rated insulation voltage Ui IEC/EN	V	690		
Rated impulse withstand voltage Uimp	kV	6		
Rated frequency	Hz	50/60		
Thermal trip adjustment range		0.63...1		
Rated current (In)	A	1		
Magnetic tripping		12 x In		
Operational short-circuit current breaking capacity (Ics) at AC		230V	kA	100
		400V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC		230V	kA	100
		400V	kA	100
		500V	kA	100
		690V	kA	100
Tripping class		10A		
IEC Utilization category		A		
Operations				
Mechanical life		cycles	100000	
Electrical life		cycles	100000	
Mechanical features				
Tightening torque for terminals		min	Nm	2.3
		max	Nm	2.3
		min	lbin	20
		max	lbin	20
Max number of wires simultaneously connectable		Nr.	2	
Conductor section		AWG/Kcmil		
		min	16	
		max	10	
Flexible w/o lug conductor section		min	mm²	1
		max	mm²	6
Flexible c/w lug conductor section		min	mm²	1

		max	mm²	6
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	6
Screwdriver				PH2
Power terminal protection according to IEC/EN 60529				IP20
Cable stripping lenght				
	main circuit	mm	1	
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position			normal allowable	Vertical plan Any
Fixing				Screw / DIN rail 35mm
Weight			g	278
Certifications and compliance				
Certifications				
	CSA C22.2 n.14			
	IEC/EN 60947-1			
	IEC/EN 60947-2			
	IEC/EN 60947-4-1			
	UL508			
Compliance				
	CCC			
	cULus			
	EAC			
ETIM classification				
ETIM 8.0				EC000074 - Motor protection circuit-breaker