



Product designation				Motor protective circuit breaker
Product type designation				11SM1B
<b>Electrical features</b>				
Number of poles	Nr.			3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				Yes
Rated insulation voltage $U_i$ IEC/EN	V			690
Rated impulse withstand voltage $U_{imp}$	kV			6
Rated frequency	Hz			50/60
Thermal trip adjustment range				17...23
Rated current ( $I_n$ )	A			23
Magnetic tripping				12 x $I_n$
Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC				
	230V	kA	100	
	400V	kA	12.5	
	500V	kA	2	
	690V	kA	2	
Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC				
	230V	kA	100	
	400V	kA	25	
	500V	kA	4	
	690V	kA	2	
Tripping class				10A
IEC Utilization category				A
<b>Operations</b>				
Mechanical life		cycles	100000	
Electrical life		cycles	100000	
<b>Mechanical features</b>				
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	mm <sup>2</sup>	1	
	max	mm <sup>2</sup>	6	
Flexible c/w lug conductor section				
	min	mm <sup>2</sup>	1	

		max	mm <sup>2</sup>	6
Flexible with insulated spade lug conductor section		min	mm <sup>2</sup>	1
		max	mm <sup>2</sup>	6
Screwdriver				PH2
Power terminal protection according to IEC/EN 60529				IP20
Cable stripping length				
	main circuit	mm		1.
<b>Ambient conditions</b>				
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	352
<b>Certifications and compliance</b>				
Certifications				
	CSA C22.2 n.14			
	IEC/EN 60947-1			
	IEC/EN 60947-2			
	IEC/EN 60947-4-1			
	UL508			
Compliance				
	CCC			
	cULus			
	EAC			
<b>ETIM classification</b>				
ETIM 8.0				EC000074 - Motor protection circuit-breaker