



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		9...14	
Rated current ( $I_n$ )	A	14	
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	5
	690V	kA	2
Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC			
	230V	kA	100
	400V	kA	25
	500V	kA	10
	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.

**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
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Operating position

normal allowable	Vertical plan Any
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Fixing

Screw / DIN rail  
35mm

Weight

g 352

**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