



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				1...1,6
Rated current ( $I_n$ )	A			2
Magnetic tripping				12 x $I_n$
Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC				
	230V	kA	100	
	400V	kA	100	
	500V	kA	100	
	690V	kA	100	
Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC				
	230V	kA	100	
	400V	kA	100	
	500V	kA	100	
	690V	kA	100	
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 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