



Product designation				Motor protective 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 U_i IEC/EN	V			690
Rated impulse withstand voltage U_{imp}	kV			6
Rated frequency	Hz			50/60
Thermal trip adjustment range				13...18
Rated current (I_n)	A			18
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				
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.		
Conductor section	AWG/Kcmil			
	min			16
	max			10
Flexible w/o lug conductor section	min	mm ²	1	
	max	mm ²	6	
	Flexible c/w lug conductor section	min	mm ²	1

	max	mm ²	6
Flexible with insulated spade lug conductor section	min	mm ²	1
	max	mm ²	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