



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	4...6,5			
Rated current (I_n)	A	7		
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	8	
Maximum short-circuit current breaking capacity (I_{cu}) at AC				
	230V	kA	100	
	400V	kA	100	
	500V	kA	100	
	690V	kA	8	
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	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