



Product designation			Motor protection circuit breaker
Product type designation			SM1R
Electrical features			•
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			2432
Rated current (In)		А	32
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	2.49
	max	W	4.42
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	10
	500V	kA	10
	690V	kA	4
Tripping class			10A
IEC Utilization category			А
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	22
	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

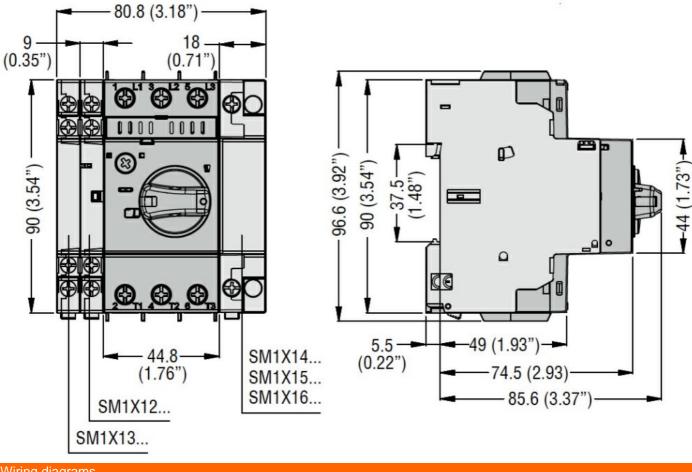


Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Screwdriver		
Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Screwdriver main circuit Power terminal protection according to IEC/EN 60529 main circuit Cable stripping lenght main circuit Ambient conditions main circuit Compenature min Operating temperature min Storage temperature min Compensation temperature min Max attitude max Operating position mormal allowable Fixing mormal allowable Veight tat 480V at 600V protection Group Motor Installation at 480V at 600V protection Group Motor Installation at 480V at 600V protection Waximum UL/CSA horsepower ratings single-phase 110V-120V 220V-240V Waximum UL/CSA horsepower ratings three-phase, 3-pole 200V-208V		
Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Screwdriver	mm²	1
Flexible with insulated spade lug conductor section min max Screwdriver Power terminal protection according to IEC/EN 60529 Cable stripping lenght main circuit Ambient conditions min max Temperature Operating temperature Max Storage temperature Max altitude min max Compensation temperature min max Max altitude min max Deperating position normal allowable Fixing Meight Veight Jtechnical data Motor Disconnect at 480V at 600V protection Group Motor Installation at 480V at 600V protection Group Motor Installation at 480V at 600V protection Maximum UL/CSA horsepower ratings single-phase 110V-120V 220V-240V	mm²	10
Image: Flexible with insulated spade lug conductor section min max Screwdriver		
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Ambient conditions main circuit Temperature Operating temperature min		IP20 on front
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220V-240V Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V-208V	HP	2
Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V-208V	нР НР	2 5
200V-208V		5
	ЦБ	10
	HP	10
220V-240V	HP	10
440V-480V	HP	20
550V-600V Dimensions	HP	30

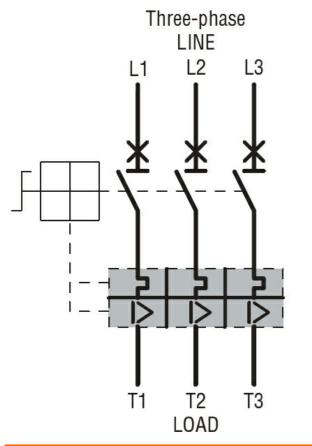
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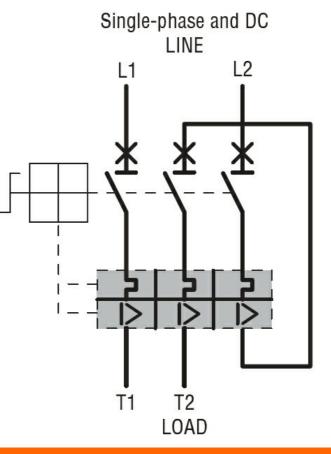


DISJONCTEUR/DÉMARREUR DE MOTEUR SM1R 24-32A



Wiring diagrams





Certifications and compliance

SM1R3200

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Certifications

	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-2	
	IEC/EN 60947-4-1	
	UL508	
Compliance		
	cULus	
	EAC	
ETIM classification		
		EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker