



Product designation			Motor protection circuit breaker
Product type designation			SM1RT
Electrical features			<u>^</u>
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			1723
Rated current (In)		A	23
Magnetic tripping			16 x ln
Power dissipation per pole			
	min	W	1.86
	max	W	3.41
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	lbin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8



SM1RT2300 MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING

CAPACITY ICU 50KA AT 400V, 17...23A

	Flexible w/o lug conductor section			
	-	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
	-	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor	section		
		min	mm²	1
		max	mm²	10
Screwdriver		max		PH2
	ection according to IEC/EN 60529			IP20 on front
				IF20 0II II0III
Cable stripping leng	nt			4.0
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
	<u> </u>	min	°C	-50
		max	°Č	+80
	Compensation temperature		-	
		min	°C	-20
		max	°C	+50
Max altitude		Παλ		3000
			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rai 35mm
Neight			g	340
JL technical data			-	
Motor Disconnect				
		at 480V	kA	30
		protection		200A class J
Group Motor Installa	tion	protocilon		
		at 480V	kA	30
			ĸА	200A class J
		protection		200A 01855 J
Tap Conductor Prote	ection			
		at 480Y/277V	kA	30
Maximum UL/CSA h	orsepower ratings single-phase			
		110V-120V	HP	1.5
		220V-240V	HP	3
Maximum UL/CSA h	orsepower ratings three-phase, 3-pole			
	· · · · ·	200V-208V	HP	5
		220V-240V	HP	7.5
				-



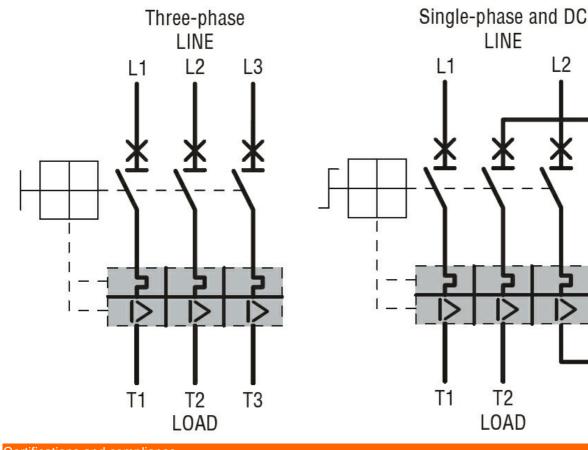
MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING CAPACITY ICU 50KA AT 400V, 17...23A

SM1RT2300

-44 (1.73

80.8 (3.18") 9 18 (0.35") (0.71 0000 -----P 96.6 (3.92") 90 (3.54") 90 (3.54") -37.5-9 0 49 (1.93") 5.5 44.8 SM1X14... (0.22")74.5 (2.93) (1.76")SM1X15... SM1X16... - 85.6 (3.37") SM1X12... SM1X13...

Wiring diagrams



Certifications and compliance

SM1RT2300

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

ETIM 8.0

EC000074 -Motor protection circuit-breaker