



Product designation			Motor protection circuit breaker
Product type designation			SM3R
Electrical features		NI:	
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			5575
Rated current (In)		Α	75
Magnetic tripping			13 x In
Power dissipation per pole			
	max	W	7
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class			10A
IEC Utilization category			Α
Operations			
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features			
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	lbin	4.4
	max	lbin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Flexible c/w lug conductor section			

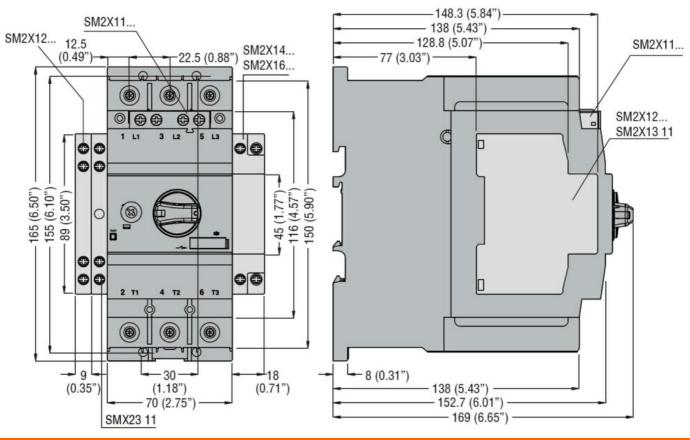




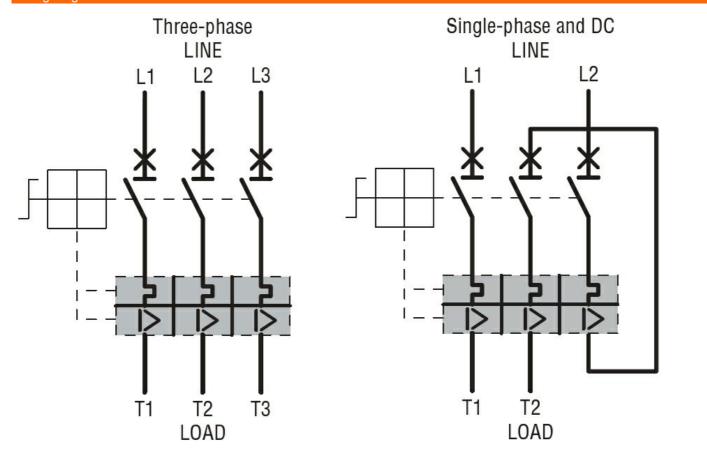
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V,

	min	mm²	10
	max	mm²	50
	Flexible with insulated spade lug conductor section		
	min	mm²	10
	max	mm²	50
Screwdriver			Allen 4mm
	on according to IEC/EN 60529		IP20
Cable stripping lenght			
	main circuit	mm	1
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-20
	max	°C	+70
	Storage temperature		
	min	°C	-50
	max	°C	+80
	Compensation temperature		
	min	°C	-50
-	max	°C	+40
Max altitude		m	3000
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail
I IXIIIg			35mm
Weight		g	2200
UL technical data			
Motor Disconnect			
	at 480V	kA	40
	at 600V	kA	10
	protection		Fuse or CB
UL technical data			
	Group Motor Installation at 480V	kA	40
	Group Motor Installation at 600V	kA	10
	Group Motor Installation protection		Fuse or CB
Tap Conductor Protection	·		
•	at 480Y/277V	kA	40
	at 600Y/347V	kA	10
UL508 / UL 60947-4-1 I	Manual Self Protected Combination Motor Controller (Type E) Short of		
	at 240V	kA	100
	at 480Y/277V	kA	40
Maximum UI /CSA hors	sepower ratings single-phase	1	· ·
	110V-120V	HP	5
	220V-240V	HP	15
Maximum III /CSA horo	sepower ratings three-phase, 3-pole	1.00	10
Maximum OL/OOA 11015	200V-208V	HP	20
	200V-208V 220V-240V	HP	20 25
	220V-240V 440V-480V	HP HP	25 50
	550V-600V	HP HP	
Dimonoiene	3507-6007	пР	60
Dimensions			





Wiring diagrams



Certifications and compliance

Certifications



SM3R7500

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 55...75A

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -Motor protection circuit-breaker