



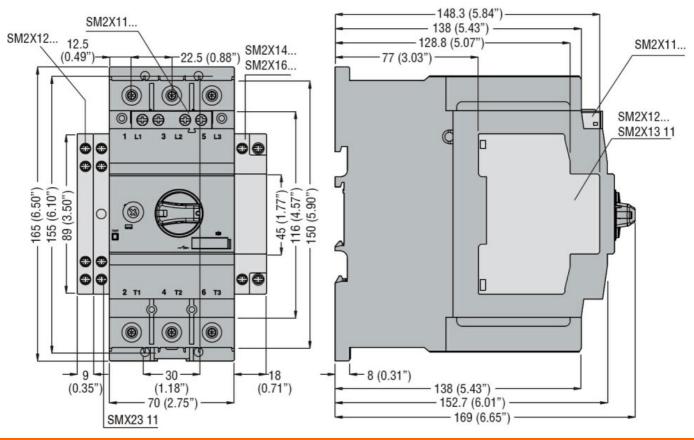
Product designation				SM3R
Product type designation				Motor protective
				circuit breaker
Electrical features				2
Number of poles			nr.	3
Magnetic protection				Yes
Thermal protection	_			Yes
Phase failure detection				Yes
Rated insulation voltage			V	1,000
Rated impulse withsta	nd voltage Ulmp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustmen	nt range			5575
Rated current (In)			Α	75
Magnetic tripping				13 x In
Operational short-circu	uit 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
Operations				
Mechanical life			Cycles	50,000
Electrical life			Cycles	25,000
Mechanical feautures				
Tightening torque for to	erminals			
		min	Nm	5
		max	Nm	5
		min	lbft	53
		max	lbft	53
max number of wires s	simultaneously connectable		nr.	2
Conductor section	·			
	AWG			
		min		18
		max		3
	Flexible w/o lug conductor section			
	3	min	mm²	10
		max	mm²	50
	Flexible c/w lug conductor section			
		min	mm²	10



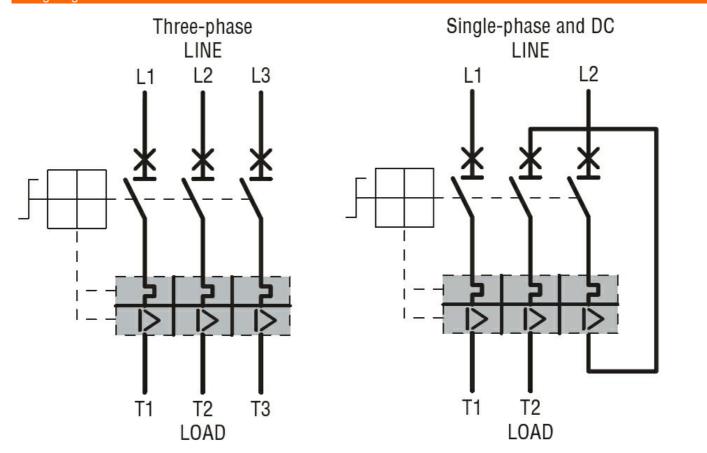
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V,

		max	mm²	50
	Flexible with insulated spade lug conductor section			
		min	mm²	10
		max	mm²	50
Screwdriver				Allen 4mm
Power terminal protec	tion 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	-5
		max	°C	40
Max altitude			m	3,000
Operating position				
		normal		su piano verticale
		allowable		Qualsiasi
Mounting				A vite / profilato
\\\a\:\a\:\t				omega 35mm 2,200
Weight			g	7 700
_			9	2,200
UL technical data	Manual Mater Controller Chart sireuit aurrent		9	2,200
UL technical data UL508 / UL60947-4-1	Manual Motor Controller - Short circuit current		9	2,200
UL technical data	Manual Motor Controller - Short circuit current	at 100\/		
UL technical data UL508 / UL60947-4-1	Manual Motor Controller - Short circuit current	at 480V	kA	40
UL technical data UL508 / UL60947-4-1	Manual Motor Controller - Short circuit current	at 600V		40 10
UL technical data UL508 / UL60947-4-1 Motor Disconnect			kA	40
UL technical data UL508 / UL60947-4-1		at 600V protection	kA kA	40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect		at 600V protection at 480V	kA kA	40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect		at 600V protection at 480V at 600V	kA kA	40 10 Fuse or CB 40 10
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation	on	at 600V protection at 480V	kA kA	40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect	on	at 600V protection at 480V at 600V protection	kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation	on	at 600V protection at 480V at 600V protection at 480Y/277V	kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect	on	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect	on	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of	kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect	tion Manual Self Protected Combination Motor Controller (at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V	kA kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1	tion Manual Self Protected Combination Motor Controller (at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of	kA kA kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1	tion Manual Self Protected Combination Motor Controller (at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V	kA kA kA kA circuit cur kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1	tion Manual Self Protected Combination Motor Controller (at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V at 110V-120V	kA kA kA kA ircuit cuit kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V	kA kA kA kA circuit cur kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (rsepower ratings single-phase rsepower ratings three-phase, 3-pole	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V at 110V-120V at 220V-240V	kA kA kA kA ircuit cui kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (rsepower ratings single-phase rsepower ratings three-phase, 3-pole	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V at 110V-120V at 220V-240V at 200V-208V	kA kA kA kA circuit cur kA kA	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (rsepower ratings single-phase rsepower ratings three-phase, 3-pole	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V at 110V-120V at 220V-240V at 200V-208V at 220V-240V	kA kA kA kA ircuit cuit kA kA hp	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40 1 2
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (repower ratings single-phase repower ratings three-phase, 3-pole	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of 240V at 480Y/277V at 110V-120V at 220V-240V at 220V-240V at 220V-240V at 440V-480V	kA kA kA kA circuit cuit kA hp hp	40 10 Fuse or CB 40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40 1 2 3 3 10
UL technical data UL508 / UL60947-4-1 Motor Disconnect Group Motor Installation Tap Conductor Protect UL508 / UL 60947-4-1 Maximum UL/CSA hor	tion Manual Self Protected Combination Motor Controller (repower ratings single-phase repower ratings three-phase, 3-pole	at 600V protection at 480V at 600V protection at 480Y/277V at 600Y/347V (Type E) Short of at 240V at 480Y/277V at 110V-120V at 220V-240V at 200V-208V at 220V-240V	kA kA kA kA ircuit cuit kA kA hp	40 10 Fuse or CB 40 10 Fuse or CB 40 10 rrent 100 40 1 2





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
)	
	cULus
	EAC

ETIM 6 classification

Compliance