



Contact characteristics

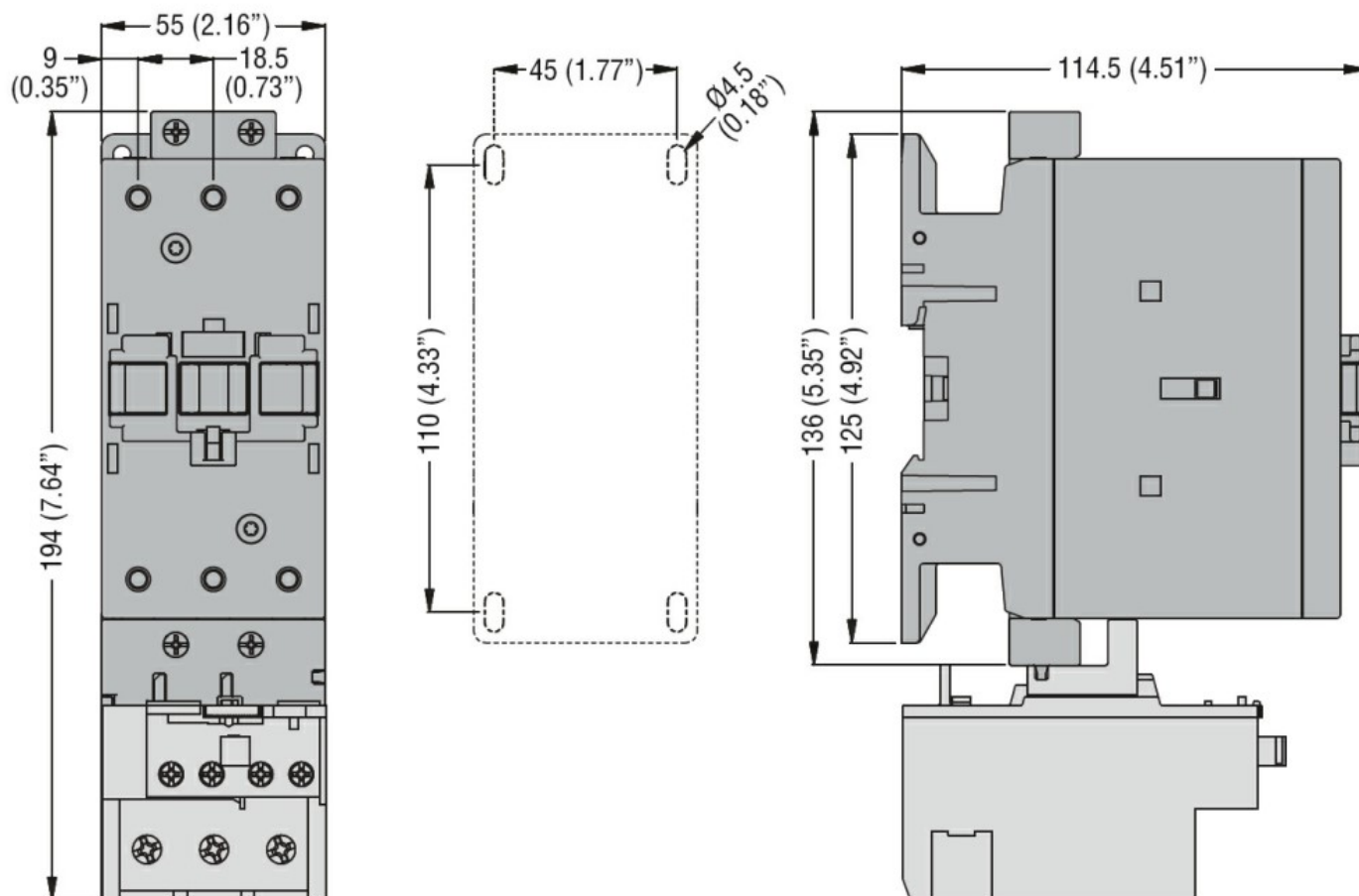
Number of poles	Nr.	3
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	8
Operational frequency	min max	Hz Hz 25 400
IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A	115
IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 3 poles in series	400V 600V 800V 1000V	A A A A 100 80 65 60
Short-time allowable current for 10s (IEC/EN60947-1)	A	640
Protection fuse	gG (IEC) aM (IEC)	A A 125 80
Resistance per pole (average value)	mΩ	0.6
Power dissipation per pole (average value)	I_{th} W	7.9
Tightening torque for terminals	min max min max	Nm Nm lbin lbin 4 5 2.95 3.69
Tightening torque for coil terminal	min max min max	Nm Nm lbin lbin 0.8 1 0.8 0.74
Max number of wires simultaneously connectable	Nr.	2
Conductor section	AWG/Kcmil	
	max	2
Flexible w/o lug conductor section	min max	mm ² mm ² 1.5 35
Flexible c/w lug conductor section	min max	mm ² mm ² 1.5 35
Power terminal protection according to IEC/EN 60529		IP20 front

Mechanical features

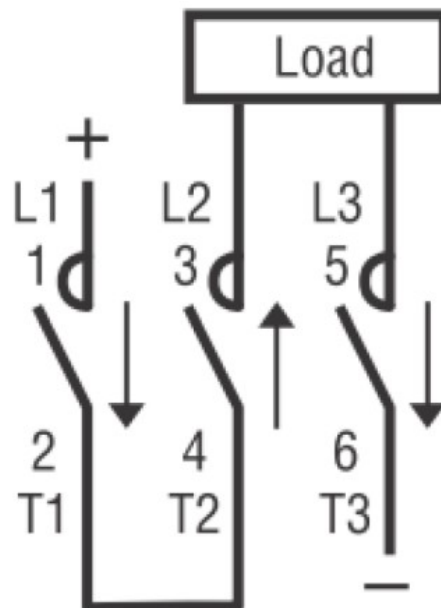
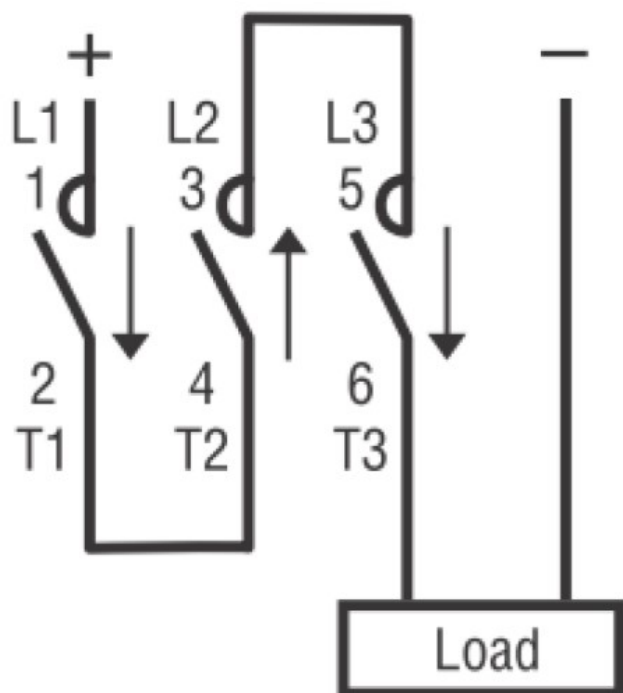
Operating position	normal allowable	Vertical plan $\pm 30^\circ$
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Fixing			Screw / DIN rail 35mm	
Weight	g		1240	
Operations				
Mechanical life	cycles		15000000	
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
	mechanical load	cycles	15000000	
EMC compatibility			yes	
AC coil operating				
Rated AC voltage at 50/60Hz	V		400	
AC operating voltage				
of 50/60Hz coil powered at 50Hz				
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
of 50/60Hz coil powered at 60Hz				
	pick-up			
		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consumption at 20°C				
of 50/60Hz coil powered at 50Hz				
		in-rush	VA	210
		holding	VA	15
of 50/60Hz coil powered at 60Hz				
		in-rush	VA	195
		holding	VA	13
of 60Hz coil powered at 60Hz				
		in-rush	VA	210
		holding	VA	15
Dissipation at holding ≤20°C 50Hz			W	5
Max cycles frequency				
Mechanical operation	cycles/h		3600	
Operating times				
Average time for Us control				
in AC				
	Closing NO			
		min	ms	12
		max	ms	28
	Opening NO			
		min	ms	8
		max	ms	22
in DC				
	Closing NO			
		min	ms	40
		max	ms	85
	Opening NO			
		min	ms	20

		max	ms	55
UL technical data				
Rated operational voltage AC (UL)			V	600
General USE				
	Contactor			
		AC current	A	115
	4 poles in series DC1			
		600V	A	100
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
min		°C	-60	
		max	°C	80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

ETIM classification

ETIM 8.0

EC002552 -
Power contactor,
DC switching