11B1250424110

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1250A, AC COIL, 110...125VAC

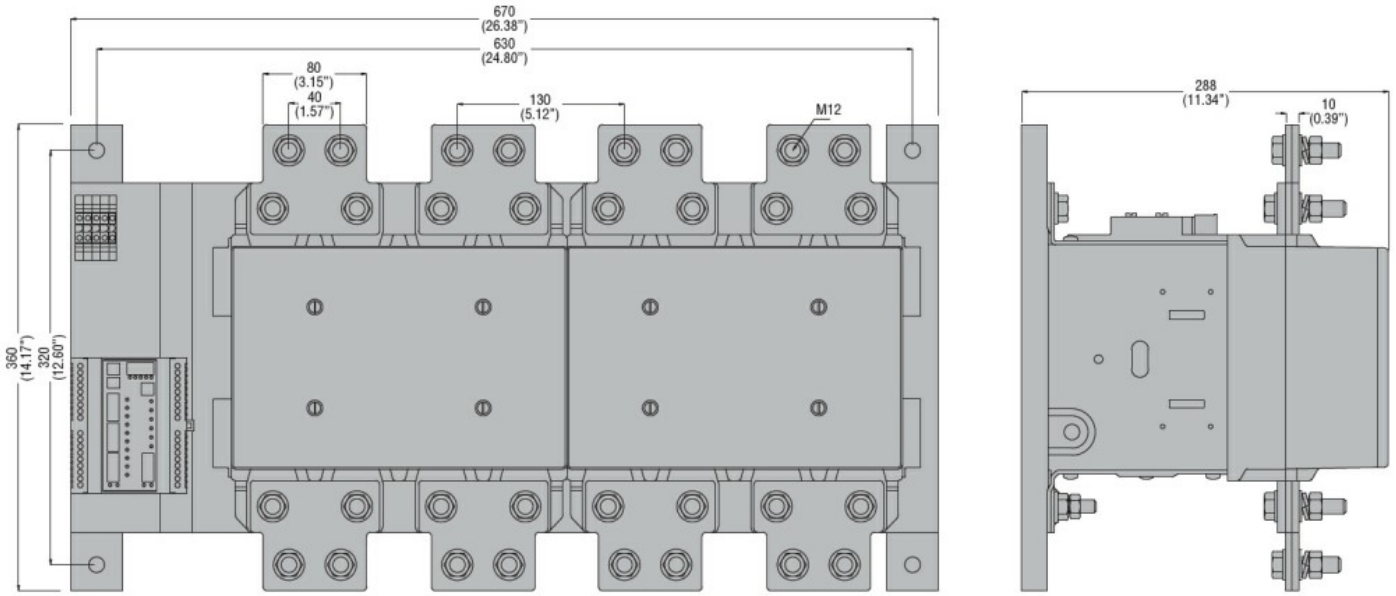
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000 (power circuit)
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith ≤ 40°C		A	1250
Operational current Ie			
	AC-1 (≤40°C)	A	1250
	AC-1 (≤55°C)	A	1050
	AC-1 (≤70°C)	A	880
Rated operational power AC-1 (T≤40°C)			
	230V	kW	480
	400V	kW	830
	500V	kW	1100
	690V	kW	1450
	1000V	kW	2000
Short-time allowable current for 10s (IEC/EN60947-1)		A	6500
Protection fuse			
	gG (IEC)	A	1250
Making capacity (RMS value)		A	6300
Breaking capacity at voltage			
	440V	A	6300
	500V	A	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	7
Power dissipation per pole (average value)			
	Ith	W	110
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 1500kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw

Weight			g	5750
Auxiliary contact characteristics				
Thermal current Ith			A	16
IEC/EN 60947-5-1 designation				A600 - P600
Operating current AC15				
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC12				
		110V	A	5.7
Operating current DC13				
		24V	A	5.7
		48V	A	2.9
		60V	A	2.3
		125V	A	0.6
		220V	A	0.2
		600V	A	1.2
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according to IEC/EN 609474-4-1 annex F				Yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/60Hz, 60Hz				
		min	V	110
		max	V	125
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	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consumption at 20°C				

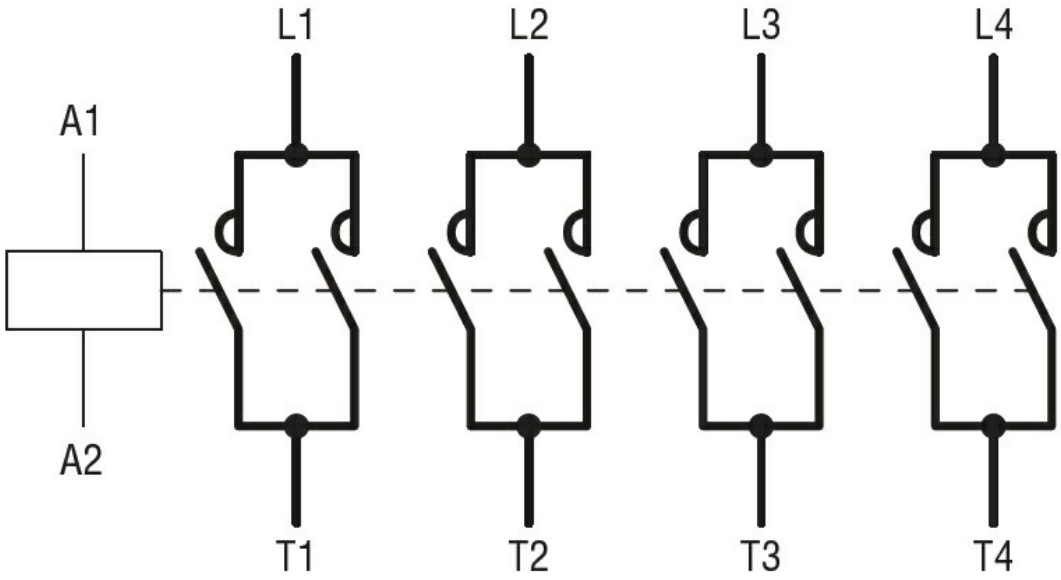
of 50/60Hz coil powered at 50Hz				
		in-rush	VA	800
		holding	VA	45
of 50/60Hz coil powered at 60Hz				
		in-rush	VA	800
		holding	VA	45
Dissipation at holding ≤20°C 50Hz			W	40
DC coil operating				
DC rated control voltage				
		min	V	110
		max	V	125
max			V	125
DC operating voltage				
pick-up				
		min	%Us	80
Max cycles frequency				
Mechanical operation			cycles/h	1200
Operating times				
Average time for Us control				
in AC				
	Closing NO			
		min	ms	300
		max	ms	450
	Opening NO			
		min	ms	70
		max	ms	130
in DC				
	Closing NO			
		min	ms	300
		max	ms	450
	Opening NO			
		min	ms	70
		max	ms	130
UL technical data				
Rated operational voltage AC (UL)			V	600
Contact rating of auxiliary contacts according to UL				A600 - P600
Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-50
		max	°C	60
Storage temperature				
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				

11B1250424110

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1250A, AC COIL, 110...125VAC



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1
CSA C22.2 n° 60947-4-1
IEC/EN 60947-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

Certificates

/

ETIM classification

ETIM 8.0	EC000066 - Power contactor, AC switching