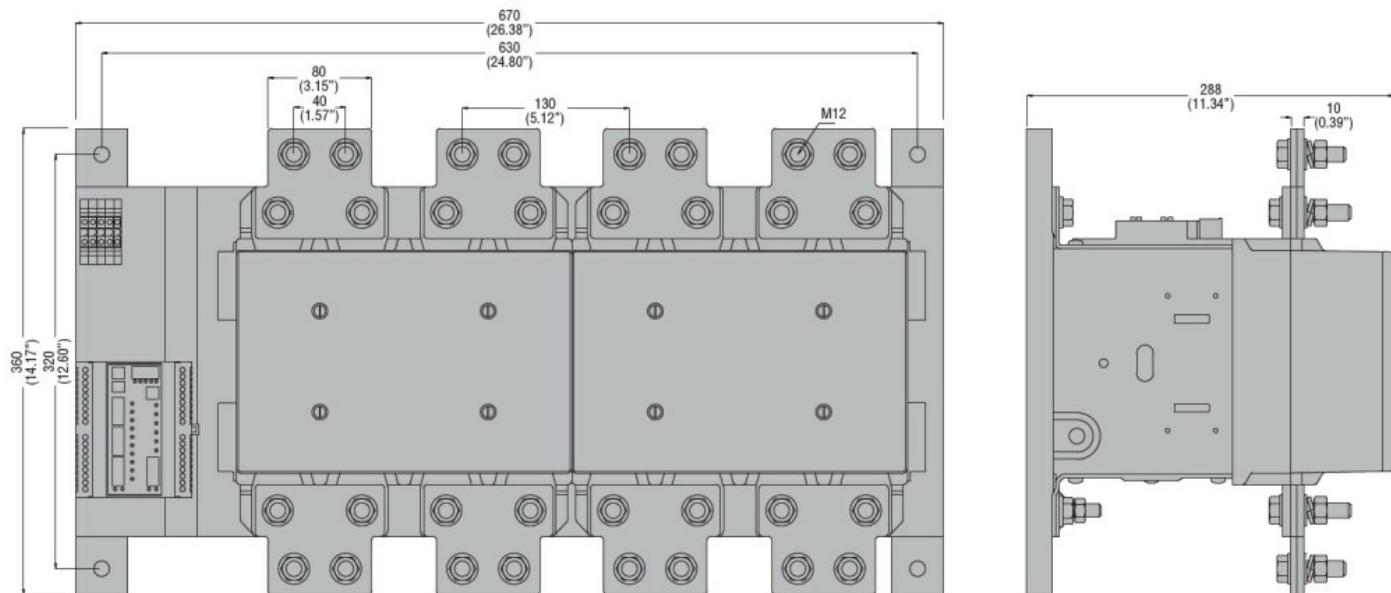




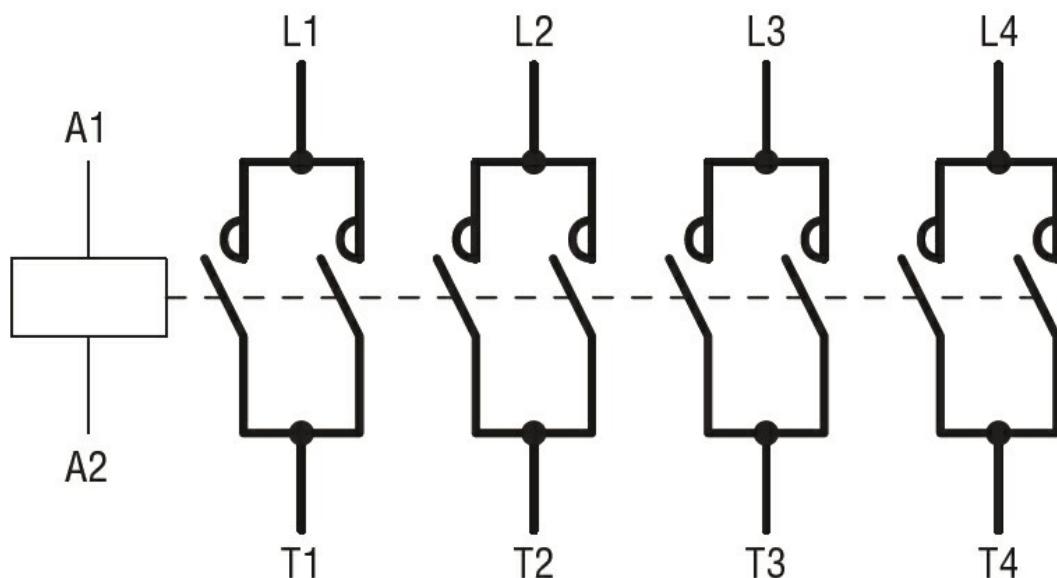
Product designation	Power contactor		
Product type designation	B1250		
Contact characteristics			
Number of poles	Nr. 4		
Rated insulation voltage Ui IEC/EN	V 690		
Rated impulse withstand voltage Uimp	kV 8		
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A 1250		
Operational current Ie	AC-1 ($\leq 40^{\circ}\text{C}$)	A	1250
	AC-1 ($\leq 55^{\circ}\text{C}$)	A	1050
	AC-1 ($\leq 70^{\circ}\text{C}$)	A	880
Rated operational power AC-1 ($T \leq 40^{\circ}\text{C}$)	230V	kW	480
	400V	kW	830
	500V	kW	1100
	690V	kW	1450
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)	m? 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 allowable	Vertical plan $\pm 30^{\circ}$	
Fixing	Screw		

Weight		g	5750
Conductor section			
AWG/kcmil conductor section		max	2x 1500kcmil
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 contacts according to IEC/EN 609474-4-1			
yes			
EMC compatibility			
yes			
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
min	V	220	
max	V	240	
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	220
	max	V	240
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			
Contact rating of auxiliary contacts according to UL			A600 - P600
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 60947-1
- IEC/EN 60947-4-1
- UL 60947-1
- UL 60947-4-1

Certificates

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ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching