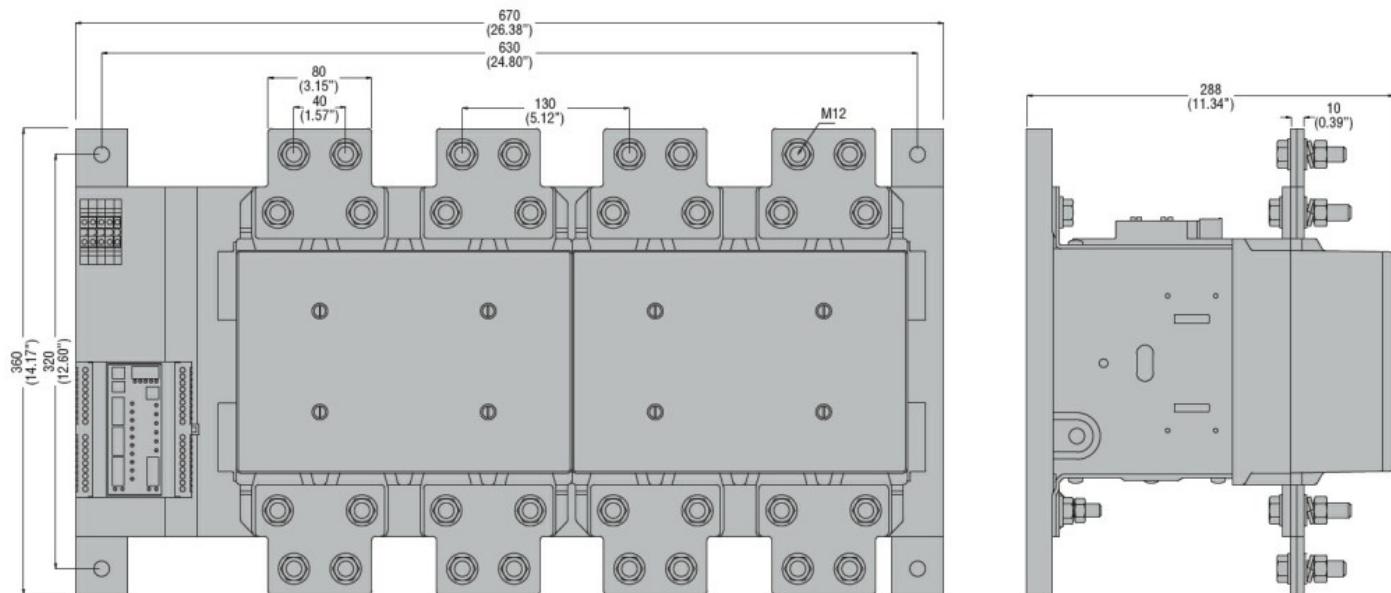




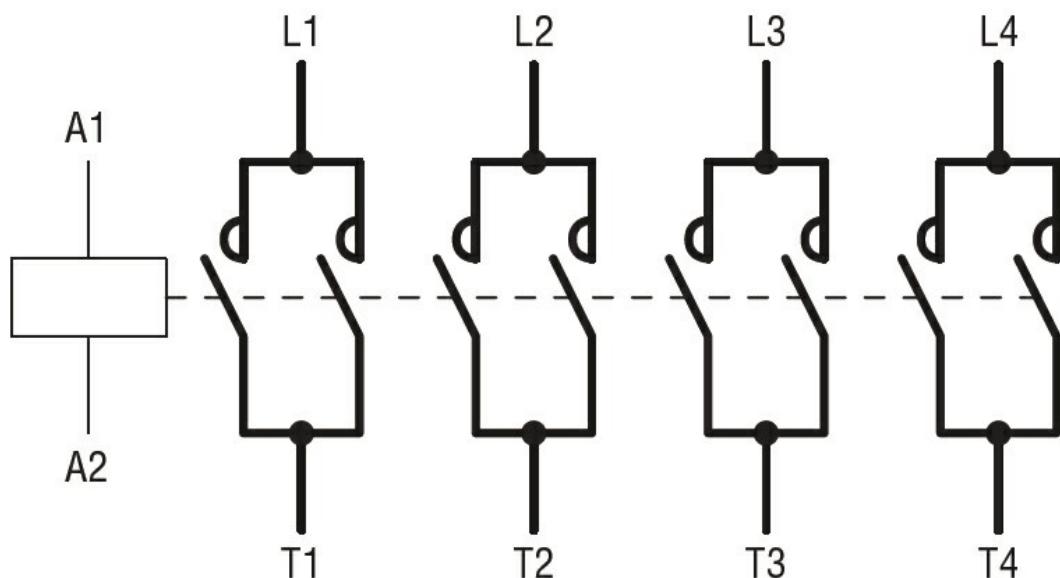
Product designation	Power contactor		
Product type designation	B1250		
<b>Contact characteristics</b>			
Number of poles	Nr. 4		
Rated insulation voltage Ui IEC/EN	V 690		
Rated impulse withstand voltage Uimp	kV 8		
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current 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		
<b>Mechanical features</b>			
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			
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
<b>DC coil operating</b>				
DC rated control voltage		min	V	110
		max	V	125
DC operating voltage				
pick-up		min	%Us	80
<b>Max cycles frequency</b>				
Mechanical operation			cycles/h	1200
<b>Operating times</b>				
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	
<b>UL technical data</b>				
Contact rating of auxiliary contacts according to UL				A600 - P600
<b>Ambient conditions</b>				
Temperature	Operating temperature	min	°C	-50
		max	°C	70
Storage temperature	min	°C	-60	
	max	°C	80	
Max altitude		m		3000
<b>Resistance &amp; Protection</b>				
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