



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
		max	Hz
IEC Conventional free air thermal current Ith		A	1250
Operational current Ie		AC-1 (≤40°C)	A
		AC-1 (≤55°C)	A
		AC-1 (≤70°C)	A
Rated operational power AC-1 (T≤40°C)		230V	kW
		400V	kW
		500V	kW
		690V	kW
Short-time allowable current for 10s (IEC/EN60947-1)		A	6500
Protection fuse		gG (IEC)	A
Making capacity (RMS value)		A	6300
Breaking capacity at voltage		440V	A
		500V	A
		690V	A
Resistance per pole (average value)		mΩ	7
Power dissipation per pole (average value)		Ith	W
Tightening torque for terminals		min	Nm
		max	Nm
		min	Ibin
		max	Ibin
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	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 $\leq 20^{\circ}\text{C}$ 50Hz

W	40
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DC coil operating

DC rated control voltage

min	V	220
max	V	240

DC operating voltage

pick-up

min	%Us	80
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Max cycles frequency

Mechanical operation

cycles/h	1200
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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
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Contact rating of auxiliary contacts according to UL

A600 - P600

Ambient conditions

Temperature

Operating temperature

min	$^{\circ}\text{C}$	-50
max	$^{\circ}\text{C}$	60

Storage temperature

min	$^{\circ}\text{C}$	-60
max	$^{\circ}\text{C}$	80

Max altitude

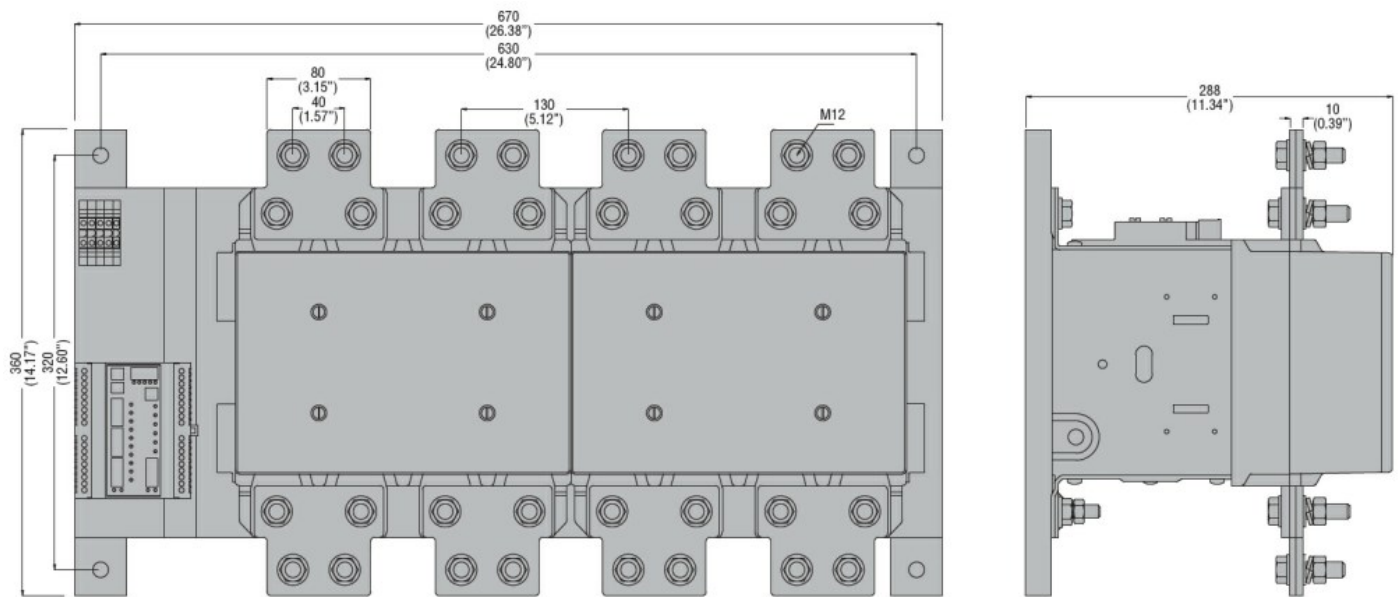
m	3000
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Resistance & Protection

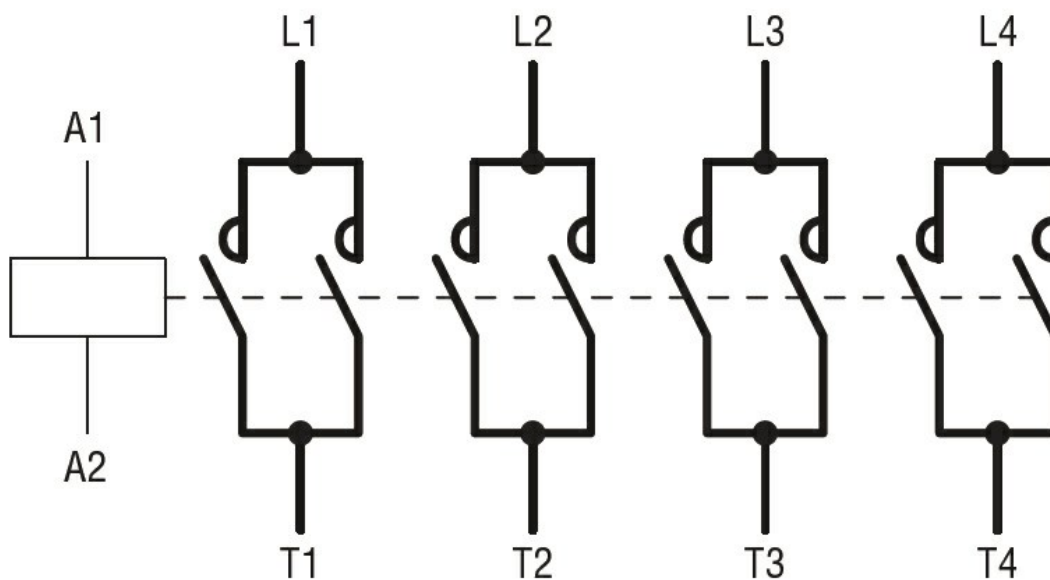
Pollution degree

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