

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1250A, AC COIL, 220...240VAC



Product designation Product type designation			Power contactor B1250
Contact characteristics			D1230
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
-1	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	1250
Operational current le			
•	AC-1 (≤40°C)	Α	1250
	AC-1 (≤55°C)	Α	1050
	AC-1 (≤70°C)	Α	880
Rated operational power AC-1 (T≤40°C)	,		
, ,	230V	kW	480
	400V	kW	830
	500V	kW	1100
	690V	kW	1450
Short-time allowable current for 10s (IEC/EN60947-1)		Α	6500
Protection fuse			
	gG (IEC)	Α	1250
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	Α	6300
	500V	Α	5600
	690V	Α	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	Ibin	25.8
	max	Ibin	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



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Weight			g	5750
Conductor section				
	AWG/kcmil conductor section			
A. william and a to be	ot o viotico	max		2x 1500kcmil
Auxiliary contact chara Thermal current Ith	cteristics		۸	16
IEC/EN 60947-5-1 des	signation		Α	16 A600 - P600
Operating current AC1				A000 - F000
Operating current AO	3	230V	Α	3
		400V	A	1.9
		500V	A	1.4
Operating current DC1		0001	,,	
oporating current 201	_	110V	Α	5.7
Operating current DC1	 3	1101		
operaning carrein 20.		24V	Α	5.7
		48V	Α	2.9
		60V	Α	2.3
		125V	A	0.6
		220V	Α	0.2
		600V	Α	1.2
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according			yes	
EMC compatibility				yes
AC coil operating	2/22/1			
Rated AC voltage at 50	0/60Hz, 60Hz			
				000
		min	V	220
AC an austin a salta sa		min max	V V	220 240
AC operating voltage	of 50/001 le poil pour set et 501 le			
AC operating voltage	of 50/60Hz coil powered at 50Hz			
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up	max	V	240
AC operating voltage	· · · · · · · · · · · · · · · · · · ·	max min	V %Us	240 80
AC operating voltage	pick-up	max	V	240
AC operating voltage	· · · · · · · · · · · · · · · · · · ·	max min max	V %Us %Us	80 110
AC operating voltage	pick-up	max min max min	V %Us %Us %Us	80 110 20
AC operating voltage	pick-up drop-out	max min max	V %Us %Us	80 110
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us	80 110 20
AC operating voltage	pick-up drop-out	min max min max	V %Us %Us %Us %Us	80 110 20 60
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us %Us %Us	80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max	V %Us %Us %Us %Us	80 110 20 60
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max	V %Us %Us %Us %Us %Us	80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60

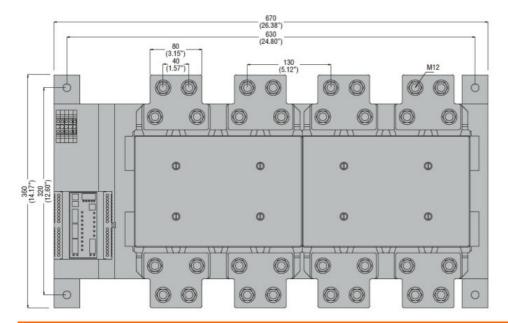


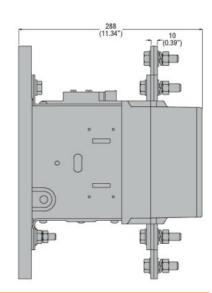
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Min						
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz				min	%Us	20
1				max	%Us	60
In-rush VA	AC average coil consu	•				
Moderation Mo		of 50/60Hz coil powe	ered at 50Hz			
Of 50/60Hz coil powered at 60Hz						
In-rush No.				holding	VA	45
Molding		of 50/60Hz coil powe	ered at 60Hz			
Dissipation at holding ≤20°C 50Hz				in-rush	VA	800
DC rated control voltage				holding		45
DC rated control voltage	Dissipation at holding	≤20°C 50Hz			W	40
DC operating voltage pick-up pick-up min vultage vultage pick-up min vultage vultage	DC coil operating					
DC operating voltage pick-up pick-up	DC rated control voltage	je				
DC operating voltage pick-up min %Us 80				min	V	220
Max cycles frequency				max	V	240
Max cycles frequency	DC operating voltage					
Max cycles frequency Mechanical operation cycles/h 1200 Operating times Average time for Us control in AC Min AC min ms ms max ms		pick-up				
Mac cycles frequency Mechanical operation cycles/h 1200 Operating times Average time for Us control in AC 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 450 Opening NO UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min colspan="2">°C -50 max °C 60 Storage temperature min colspan="2">°C -50 max °C 60 Storage temperature min colspan="2">°C -60 max °C -60 max °C 80 Max altitude Resistance & Protection Pollution degree				min	%Us	80
Mechanical operation cycles/h 1200 Operating times Closing NO min ms 300 max ms 450 Min max ms 130 Copening NO min ms 300 max ms 450 Min min ms 300 max ms 450 Opening NO min ms 300 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 - 60 max °	Max cycles frequency					
Operating times					cvcles/h	1200
Average time for Us control in AC Closing NO	· · · · · · · · · · · · · · · · · · ·					
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 130 In DC Closing NO min ms 300 max ms 450 Opening NO min ms 300 max ms 450 Opening NO min ms 70 max ms 450 Opening NO min ms 70 max ms 130 UL technical data Contact rating of auxiliary contacts according to UL About the conditions Temperature Operating temperature Operating temperature Storage temperature min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude Resistance & Protection Pollution degree 3		ontrol				
Closing NO						
Opening NO			Closing NO			
Opening NO			Gloomig 110	min	ms	300
Opening NO						
Min			Opening NO	Παλ	1113	400
Max			Opening NO	min	me	70
Closing NO						
Closing NO		in DC		IIIax	1113	130
Min		III DO	Closing NO			
Max ms 450 Opening NO Image: Max ms 70 max ms 130 UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude Max altitude m 3000 Resistance & Protection Pollution degree 3			Closing NO	min	me	300
Opening NO min ms 70 max ms 130 UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature min °C -50 max °C 60 Storage temperature Max altitude min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3						
Max altitude			Oponing NO	Παλ	1113	430
Max ms 130			Opening NO	min	ma	70
Contact rating of auxiliary contacts according to UL						
Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3	III. toobnical data			IIIdX	1115	130
Ambient conditions		an contacta according	to I II			A600 D600
Operating temperature		ary contacts according	IU UL			A000 - P000
Operating temperature min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 Pollution degree 3						
min mm mm mmx °C max -50 max Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3	remperature	On another a trace of				
Max °C 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3		Operating temperatu	re		۰.	50
Storage temperature min max °C -60 -60 max Max altitude m 3000 Resistance & Protection Pollution degree 3						
min max °C -60 max -60 80 Max altitude m 3000 Resistance & Protection 3 Pollution degree 3				max	J.C	60
Max altitudemax°C80Resistance & Protectionm3000Pollution degree3		Storage temperature			2.5	
Max altitude m 3000 Resistance & Protection Pollution degree 3						
Resistance & Protection Pollution degree 3				max		
Pollution degree 3					m	3000
		on				
Dimensions						3
	Dimensions					

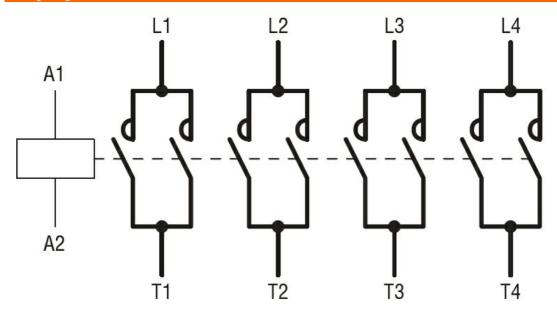
ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1250A, AC COIL, 220...240VAC





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