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Product designation			Power contactor
Product type designation			B6301000
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
operation and queries,	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	1000
Operational current le			
operational carrette	AC-1 (≤40°C)	Α	1000
	AC-1 (≤55°C)	A	850
	AC-1 (≤70°C)	Α	700
	AC-4 (400V)	Α	260
Rated operational power AC-1 (T≤40°C)	710 4 (4001)		200
Nated operational power 70-1 (12-40-0)	230V	kW	350
	400V	kW	600
	500V	kW	750
	690V	kW	1000
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	030 V	IXVV	1000
120 max current le in 201 with 2/103 mith 1 poles in series	75V	Α	800
	110V	A	460
	220V	A	
	330V	A	<del></del>
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400 V		
TEC Max current le in DCT with E/N 3 mis with 2 poles in series	75V	Α	800
	110V	A	800
	220V	A	700
	330V	A	700 
	460V	A	 
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	400 V		
TEC Max current le in DCT with E/IC 3 mis with 5 poles in series	75V	Α	800
	110V	A	800
	220V	A	800
	330V	A	700
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	400 0		
ILO max current le in DOT with L/K > This with 4 poles in series	75V	۸	900
	75V 110V	A	800 800
	220V	A A	800
	330V		750
	460V	A	750 700
	4007	A	100

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series



# THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 60VAC/DC

	75V	Α	800
	110V	Α	460
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	700
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	650
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	650
	460V	Α	700
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5600
Protection fuse			
	gG (IEC)	Α	1000
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	0.14
Power dissipation per pole (average value)			
	Ith	W	140
	AC-3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	Ibin	40.6
	max	Ibin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 900 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan



## THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL,

Fixed			allowable		±30°
Conductor section	Fixing				Screw
Conductor section	Weight			g	2120
Mechanical life         cycles         5000000           Electrical life         cycles         5000000           Electrical life         cycles         700000           Safety related data         Performance level B10d according to EN/ISO 13489-1         rated load cycles         7000000           Mirror contats according to IEC/EN 609474-4-1         Experimental properties of 5000000           Mirror contats according to IEC/EN 609474-4-1         yes           EMC compatibility         A compatibility         yes           AC coll operating         The coll operating voltage at 50/60Hz         yes           AC operating voltage         af 50/60Hz coil powered at 50Hz pick-up         min         %US         80           AC operating voltage         af 50/60Hz coil powered at 60Hz pick-up         min         %US         80           AC average coil consumption at 20°C         af 60Hz coil powered at 50Hz pick-up         in-rush pick-up         will a rush pick-up <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Operations   Mechanical life   Cycles   5000000		AWG/kcmil conductor section			
Mechanical life			max		2x 900 kcmil
Electrical life	Operations				
Performance level B10d according to EN/ISO 13489-1   rated load mechanical load   cycles   5000000   cycles   50000000   cycles   500000000   cycles   500000000000000000000000000000000000	Mechanical life			cycles	5000000
Performance level B10d according to EN/ISO 13489-1         rated load mechanical load cycles of 5000000         700000 mechanical load cycles of 5000000           Mirror contats according to IEC/EN 609474-4-1         rated load mechanical load cycles of 5000000         700000 mechanical load cycles of 5000000           AC colloperating           Rated AC voltage at 50/60Hz coil powered at 50Hz pick-up         min         %Us         80           AC operating voltage         min         %Us         10           drop-out         min         %Us         20           pick-up         min         %Us         80           pick-up         min         %Us         80           pick-up         min         %Us         80           pick-up         min         %Us         80           drop-out         min         %Us         80           drop-out         min         %Us         80           pick-up         min         %Us         80           drop-out         min         %Us         80           drop-out         min         %Us         80           drop-out         min         %Us         80           drop-out         min         %Us <t< td=""><td>Electrical life</td><td></td><td></td><td>cycles</td><td>700000</td></t<>	Electrical life			cycles	700000
Mirror contats according to IEC/EN 609474-4-1   yes   yes   Toloron   Yes	Safety related data				
Mirror contats according to IEC/EN 609474-4-1   yes	Performance level B10	Od according to EN/ISO 13489-1			
Mirror contats according to IEC/EN 609474-4-1   yes			rated load	cycles	700000
March   Section   Secti			mechanical load	-	5000000
March   Section   Secti	Mirror contats according	ng to IEC/EN 609474-4-1			yes
Rated AC voltage at 50/60Hz   V 60					•
Rated AC voltage at 50/60Hz         V         60           AC operating voltage         of 50/60Hz coil powered at 50Hz pick-up         min max         %Us         80 max           drop-out         min max         %Us         110           drop-out         min max         %Us         60           of 50/60Hz coil powered at 60Hz pick-up         min max         %Us         80           drop-out         min max         %Us         60           of 60Hz coil powered at 60Hz pick-up         min max         %Us         60           of 60Hz coil powered at 60Hz pick-up         min max         %Us         80           drop-out         min max         %Us         80					,
AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  min max wus 1110  drop-out min wus 20 max wus 60  of 50/60Hz coil powered at 60Hz pick-up  min wus 80 max wus 110  drop-out min wus 80 max wus 110  drop-out min wus 20 max wus 110  drop-out min wus 20 max wus 60  of 60Hz coil powered at 60Hz pick-up pick-up  min wus 80 max wus 60  of 60Hz coil powered at 60Hz pick-up  min wus 80 max wus 110  drop-out min wus 80 max wus 110  drop-out min wus 80 max wus 110  drop-out min wus 20 max wus 60  AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush vus 400 holding vus 18  pick-up  Dissipation at holding ≤20°C 50Hz wus 18  Dissipation at holding ≤20°C 50Hz wus 18  Dissipation at holding ≤20°C 50Hz wus 18  Discreted control voltage pick-up min wus 80 wus 80 wus 400 holding vus 400 holding vus 48 wus 80 wus		0/60Hz		V	60
of 50/60Hz coil powered at 50Hz pick-up  min					
Pick-up   min   %Us   80   max   %Us   110   Min   min   %Us   110   Min		of 50/60Hz coil powered at 50Hz			
Min		•			
Max   Mus   110   Mus   20   Mus   20   Mus   60   Mus   60   Mus   Mus   110   Mus   Mus   Mus   110   Mus   Mus   Mus   Mus   110   Mus   Mus   Mus   60   Mus   Mus   60   Mus   Mus   60   Mus   Mus   60   Mus   Mus   Mus   60   Mus   Mus   Mus   60   Mus   Mus   Mus   Mus   60   Mus   Mu		pion up	min	%Us	80
drop-out   min   %Us   20 max   %Us   60					
Max   Mus   60   60		drop-out	max	7000	110
Max   Mus   60		a.op out	min	%Us	20
of 50/60Hz coil powered at 60Hz pick-up    min					
Pick-up   min   %Us   80   max   %Us   110   Min   %Us   20   max   %Us   60   Min   %Us   20   max   %Us   60   Min   %Us   60   Min   %Us   60   Min   %Us   80   Min   Min   %Us   80   Min   Min   %Us   80   Min   M		of 50/60Hz coil powered at 60Hz	Пих	7000	
Min   Mus   80   max   Mus   110   Mus   110   Mus   Mus   110   Mus   Mus   Mus   110   Mus   Mus   Mus   60   Mus   Mus   60   Mus   Mus   Mus   60   Mus   M		•			
Max   Mus   110		ριοκ αρ	min	%l ls	80
drop-out   min   %Us   20					
Min   WUS   20   Min   WUS   60		dron-out	max	7000	110
max   Mus   60		diop out	min	%l ls	20
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 400 holding VA 18  of 50/60Hz coil powered at 60Hz  in-rush VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz  DC rated control voltage  pick-up  min %Us 80  max %Us 60   V 60  DC operating voltage					
Pick-up   min   %Us   80   max   %Us   110   Min   %Us   20   max   %Us   60   Min   Min   %Us   60   Min		of 60Hz coil powered at 60Hz	Παλ	7003	00
Min   Mus   80   Mus   110   Mus   Mus   110   Mus					
Max   Mus   110   Mus   20   Mus   Mus   20   Mus   Mus   60   Mus   Mus   Mus   60   Mus		ριοκ αρ	min	%l le	80
AC average coil consumption at 20°C   of 50/60Hz coil powered at 50Hz   in-rush   VA   400   holding   VA   18   of 50/60Hz coil powered at 60Hz   in-rush   VA   400   holding   VA   18   Of 50/60Hz coil powered at 60Hz   in-rush   VA   400   holding   VA   18   Of 50/60Hz coil powered at 60Hz   in-rush   VA   400   holding   VA   18   Of 50/60Hz coil powered   V   18   Of 50/60Hz coil powered   Of 50/					
min max       %Us be 60         AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz       in-rush holding VA 400 holding VA 18         of 50/60Hz coil powered at 60Hz       in-rush holding VA 400 holding VA 18         Dissipation at holding ≤20°C 50Hz       W 18         DC coil operating DC rated control voltage       V 60         DC operating voltage       min %Us 80		dron-out	Παλ	/003	110
max       %Us       60         AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz       in-rush VA 400 holding VA 18         In rush of 50/60Hz coil powered at 60Hz       in-rush VA 400 holding VA 18         Dissipation at holding ≤20°C 50Hz       W 18         DC coil operating       V 60         DC operating voltage       V 60         DC operating voltage       min %Us 80		arop-out	min	%  le	20
AC average coil consumption at 20°C  of 50/60Hz coil powered at 50Hz  in-rush VA 400 holding VA 18  of 50/60Hz coil powered at 60Hz  in-rush VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz  DC coil operating  DC rated control voltage  DC operating voltage  pick-up  min %Us 80					
of 50/60Hz coil powered at 50Hz  in-rush VA 400 holding VA 18  of 50/60Hz coil powered at 60Hz  in-rush VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz  DC coil operating  DC rated control voltage  DC operating voltage  pick-up  min %Us 80	AC average coil consu	imption at 20°C	IIIdX	/UU3	30
in-rush holding	A average con const				
holding VA 18  of 50/60Hz coil powered at 60Hz  in-rush VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz  DC coil operating  DC rated control voltage  DC operating voltage  pick-up  min %Us 80		or 50/00112 con powered at 50112	in_ruch	۱/Δ	400
of 50/60Hz coil powered at 60Hz  in-rush VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz  DC coil operating  DC rated control voltage  DC operating voltage  pick-up  min %Us 80					
in-rush holding VA 400 holding VA 18  Dissipation at holding ≤20°C 50Hz W 18  DC coil operating  DC rated control voltage V 60  DC operating voltage  pick-up  min %Us 80		of 50/60Hz coil powered at 60Hz	Holding	v / \	10
boldingVA18Dissipation at holding ≤20°C 50HzW18DC coil operatingDC rated control voltageV60DC operating voltagepick-upmin%Us80		or 30/00112 con powered at 00112	in_ruch	۱/Δ	400
Dissipation at holding ≤20°C 50Hz  DC coil operating  DC rated control voltage  DC operating voltage  pick-up  min %Us 80					
DC coil operating DC rated control voltage  DC operating voltage  pick-up  min %Us 80	Dissipation at holding	<20°C 50Hz	Holding		
DC rated control voltage  DC operating voltage  pick-up  min %Us 80		=20 O JUI IZ		V V	10
DC operating voltage  pick-up  min %Us 80	-			\/	60
pick-up min %Us 80		J <u>e</u>		V	υυ
min %Us 80	DC operating voltage	minte our			
		ріск-ир		0/11-	0.0
max %Us 110					
			max	%US	110





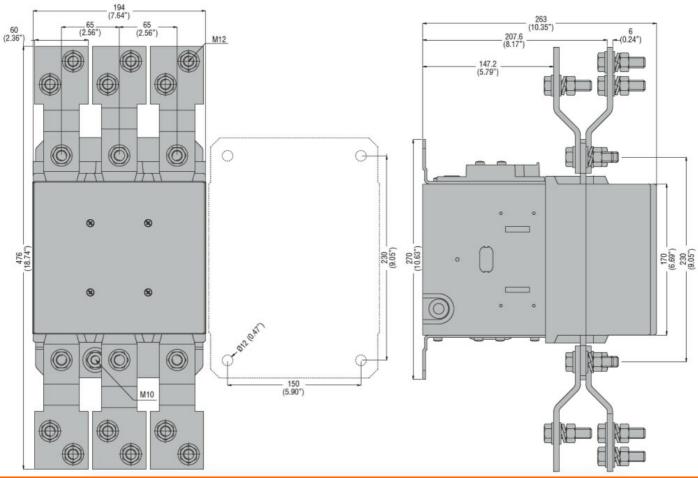
# THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 60VAC/DC

	drop-out				
	drop out		min	%Us	20
			max	%Us	60
Average coil consumpt	ion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times	ntrol				
Average time for Us co	in AC				
	111710	Closing NO			
		5.55g 5	min	ms	110
			max	ms	180
		Opening NO			
		-	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
		0 : 110	max	ms	180
		Opening NO	i-		00
			min	ms ms	60 100
UL technical data			max	ms	100
General USE					
Conoral CCL	Contactor				
	Contactor.		AC current	Α	1000
Short-circuit protection	fuse, 600V				
,	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	1500
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature			0.0	50
			min	°C	-50 70
	Storago tomporatura		max	<u> </u>	70
	Storage temperature		min	°C	-60
			max	°C	80
Max altitude			max	m	3000
Resistance & Protectio	n			- 111	
Pollution degree					3
Dimensions					

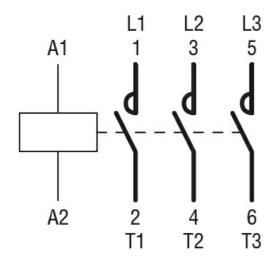


**ENERGY AND AUTOMATION** 

## THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL,



## 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

CCC



### 11B63010000060

THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 60VAC/DC

cULus		
FAC		

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching