



Product type designation Contact characteristics		DC00
		BG09
Number of poles	Nr.	4
Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand voltage Uimp	kV	6
Operational frequency	100	
min	Hz	25
max	Hz	400
IEC Conventional free air thermal current Ith	Α	20
Operational current le		
AC-1 (≤40°C)	Α	20
AC-1 (≤55°C)	Α	18
AC-1 (≤70°C)	Α	15
AC-3 (≤440V ≤55°C)	Α	9
AC-4 (400V)	Α	4
Rated operational power AC-1 (T≤40°C)		
230V	kW	8
400V	kW	14
500V	kW	16
690V	kW	22
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series		
≤24V	Α	12
48V	Α	10
75V	Α	4
110V	Α	3
220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		
≤24V	Α	15
48V	Α	14
75V	Α	9
110V	Α	8
220V	Α	-
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		
≤24V	Α	16
48V	Α	16
75V	Α	10
110V	Α	10
220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	_	
≤24V	Α	16
48V	Α	16
75V	Α	10
110V	A	10
220V	Α	2



IEC max current le in D	DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
		≤24V	Α	7
		48V	Α	6
		75V	Α	2
		110V	Α	_ 1
		220V	A	· _
IFC many assume at laking F	OCO DOE with L/D < 45 may with 0 males in coming	220 V		_
IEC max current le in L	DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
		≤24V	Α	8
		48V	Α	8
		75V	Α	5
		110V	Α	4
		220V	Α	_
IFC max current le in F	DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
ILO MAX GAMONI IO III L	700 Boo with Efft = Tome with 6 poles in some	≤24V	Α	10
		48V	Α	10
		75V	Α	6
		110V	Α	5
		220V	Α	0,8
IEC max current le in E	DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	1	≤24V	Α	10
		48V	A	10
		75V		
			A	6
		110V	Α	5
		220V	Α	0,8
Short-time allowable cu	urrent for 10s (IEC/EN60947-1)		Α	96
Protection fuse				
		gG (IEC)	Α	20
		aM (IEC)	Α	10
Making capacity (RMS	(Auley	am (120)	A	92
				32
Breaking capacity at vo	mage	4.40\/		70
		440V	Α	72
		500V	Α	72
		690V	Α	72
Resistance per pole (a	verage value)		mΩ	10
Power dissipation per p	pole (average value)			
	(lth	W	4
		AC-3	W	0.81
Tightoning torque for to	arminala	AU-3	V V	0.01
Tightening torque for te	eminais			2.2
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	9
Tightening torque for co	oil terminal			
G G := 4== :=: e.		min	Nm	0.8
			Nm	1
		max		
		min	lbin	9
		max	Ibin	9
	imultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	Παλ		
	i levine Mio ind collancial section		mm²	0.75
		min	mm²	0.75



		max	mm²	2.5
	Flexible c/w lug conductor section			
	- -	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor se	ction		
		min	mm²	1.5
		max	mm²	2.5
D ('			IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	183
Conductor section				
	AWG/kcmil conductor section			
	7.VV S/Romin contadotor decitor	max		12
Auxiliary contact chara	cteristics	max		12
Thermal current Ith	<u></u>		Α	10
IEC/EN 60947-5-1 des	vignation			A600
Operations	signation			A000
Mechanical life			ovoloo	2000000
			cycles	20000000
Electrical life			cycles	500000
Safety related data	"			
Performance level B10	od according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	20000000
-	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
	· ·	min	%Us	80
		max	%Us	115
	drop-out			
	1	min	%Us	20
		max	%Us	55
AC average coil consu	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
	5. 55/50112 5011 poworod at 50112	in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz	Holding		-
	or 50/00112 con powered at 00Hz	in-rush	VA	25
		III-IUSII	v.~\	20



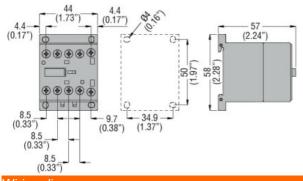
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
B: : : : : : : : : : : :	*0000 5011	holding	VA	4
Dissipation at holding ≤	\$20°C 50Hz		W	0.95
Max cycles frequency			//	0000
Mechanical operation			cycles/h	3600
Operating times	natural.			
Average time for Us co				
	in AC			
	Closing NO	min	mo	12
			ms	21
	Opening NO	max	ms	21
	Opening NO	min	mo	9
		min	ms	18
	Closing NC	max	ms	10
	Closing NC	min	me	17
			ms	26
	Opening NC	max	ms	20
	Opening NC	min	 .	7
		min	ms	
	in DC	max	ms	17
	Closing NO	min	 .	10
		min	ms	18
	Opening NO	max	ms	25
	Opening NO	min	 .	2
		min	ms	2
	Closing NC	max	ms	3
	Closing NC	min		2
		min	ms	3
	Opening NC	max	ms	5
	Opening NC	min	me	11
			ms	17
UL technical data		max	ms	17
	for three-phase AC motor			
i un load current (i LA)	Tot tilled pridde Ao motor	at 480V	Α	7.6
		at 600V	A	6.1
Yielded mechanical pe	rformance	at 000 v		0.1
пешей теспатісаі ре	for single-phase AC motor			
	ioi siligie-pliase AC Illutul	110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor	230 V	111	1.5
	for three-phase AC motor	200/2001	UD	2
		200/208V 220/230V	HP HP	2
		460/480V	HP	5
		575/600V	HP	5
General USE		373/0007	TIF	<u> </u>
Jeneral UJL	Contactor			
	Contactor	AC current	Α	20
Short circuit protection	fuco 600\/	AC current	A	20
Short-circuit protection				
	High fault	Chart aircuit aurraget	I×Λ	100
		Short circuit current	kA	100

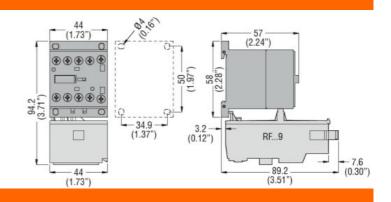


		-		
ENERGY	AND	AUT	OMA	TION

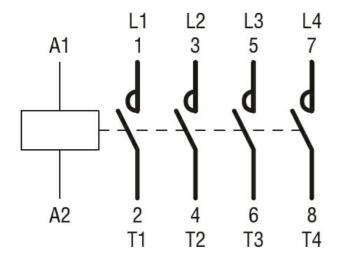
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protection	on			
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





FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 230VAC

CCC
cULus
EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching