



Product designation Product type designation			Power contactor B180
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	275
Operational current le			
	AC-1 (≤40°C)	Α	275
	AC-1 (≤55°C)	Α	250
	AC-1 (≤70°C)	Α	200
	AC-3 (≤440V ≤55°C)	Α	185
	AC-4 (400V)	Α	65
Rated operational power AC-1 (T≤40°C)			
	230V	kW	95
	400V	kW	160
	500V	kW	213
	690V	kW	298
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			_
	75V	Α	260
	110V	Α	120
	220V	Α	_
	330V	Α	_
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	260
	110V	Α	170
	220V	Α	150
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	260
	110V	Α	170
	220V	Α	170
	330V	Α	150
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	260
	110V	Α	170
	220V	Α	170
	330V	Α	170
	460V	Α	150

75V	Α	180
110V	Α	90
220V	Α	_
330V	Α	_
460V	Α	_
75V	Α	180
110V	Α	140
	Α	100
		_
		_
75\/	Δ	180
		160
		140
		100
400 V		_
751/	۸	190
		180
		160
		160
		160
460V		100
	A	1500
		315
aM (IEC)	Α	200
	Α	1850
440V	Α	1850
500V	Α	1600
690V	Α	1480
	mΩ	0.3
lth	W	20.3
AC-3	W	9.7
min	Nm	18
		18
		13.3
		13.3
Шах	10111	10.0
min	Nim	1
		1
		1
		0.74
max		0.74
	Nr.	2
max		300 kcmil
	110V 220V 330V 460V 75V 110V 220V 330V 460V 75V 110V 220V 330V 460V 75V 110V 220V 330V 460V	110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A 75V A 110V A 220V A 330V A 460V A The state of the



Operating position

Operating position		_		
		normal		Vertical plan
-· ·		allowable		±30°
ixing				Screw
Weight			g	6320
Conductor section				
	AWG/kcmil conductor section			000 1
0		max		300 kcmil
Operations				1000000
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data	Lanca Carta EN//00 40400 4			
Performance level B10	d according to EN/ISO 13489-1			1000000
		rated load	cycles	1000000
M	. 1. IEO/EN 000 474 4 4	mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	/COLL- COLL-			
Rated AC voltage at 50	/OUMZ, OUMZ			000
		min	V	220
AO amanatha a alta a		max	V	240
AC operating voltage	of 50/001 = acil navys == 1 = 1 501 =			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	00
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	IIIax	/003	00
	pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out	Παλ	/003	110
	Grop-out	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	max	,003	
	pick-up			
	ριοιι αρ	min	%Us	80
		max	%Us	110
	drop-out	man		-
		min	%Us	20
		max	%Us	60
AC average coil consur	mption at 20°C			
J	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz		<u> </u>	
		in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤	20°C 50Hz		W	10
DC coil operating				

DC rated control voltage





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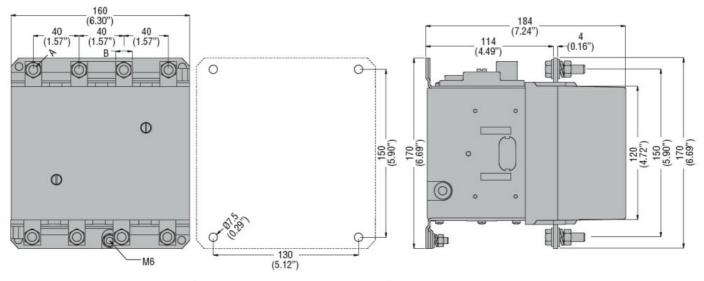
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 220...240VAC/DC

					000
			min	V V	220 240
DC operating voltage			max	V	240
DC operating voitage	pick-up				
	ріск-ир		min	%Us	80
			max	%Us	110
	drop-out		тах	7000	110
	arop cat		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co					
	in AC	.			
		Closing NO			00
			min	ms	60
		Opening NO	max	ms	100
		Opening NO	min	ms	25
			max	ms	60
	in DC		max	1113	
	111 00	Closing NO			
		Gloomig 110	min	ms	60
			max	ms	100
		Opening NO			
		. •	min	ms	25
			max	ms	60
UL technical data					
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	Α	180
			at 600V	Α	144
Yielded mechanical pe					
	for three-phase A	C motor	000/000:		00
			200/208V	HP	60
			220/230V 575/600V	HP HP	75 150
General USE			3/3/0000	ПГ	130
General USL	Contactor				
	Joinacioi		AC current	Α	275
Short-circuit protection	n fuse, 600V		, to ouriont	,,	
	Standard fault				
			Short circuit current	kA	10
			Fuse rating	Α	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating tempera	ature			
			min	°C	-50
			max	°C	70
	Storage temperati	ure			
			min	$^{\circ} C$	-60

ENERGY AND AUTOMATION

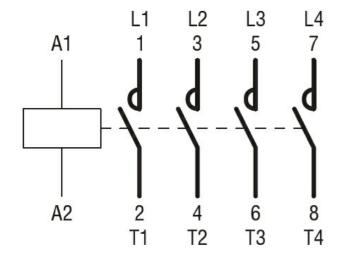
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 220...240VAC/DC

	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



CONTACTOR TYPE	Α	В
B115	M6	15 (0.59")
B145	M8	20 (0.79")
B180	M8	20 (0.79")

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

cULus





EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching

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