



Product designation			Power contactor
Product type designation			B180
Contact characteristics		NL.	4
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency	min		25
	min	Hz Hz	25 400
IEC Conventional free air thermal current Ith	max	A	275
Operational current le		A	275
Operational current le	AC-1 (=40°C)	А	275
	AC-1 (=40°C) AC-1 (=55°C)	A	275
	AC-1 (=55°C)	A	200
	AC-3 (=440V =55°C)	A	185
	AC-4 (400V)	A	65
Rated operational power AC-1 (T=40°C)		7.	
	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	А	260
	110V	A	120
	220V	А	_
	330V	А	_
	460V	А	_
IEC max current le in DC1 with L/R = 1ms with 2 poles in series			
	75V	А	260
	110V	А	170
	220V	А	150
	330V	А	_
	460V	А	—
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			
	75V	А	260
	110V	А	170
	220V	А	170
	330V	А	150
	460V	Α	_
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	75V	А	260
	110V	А	170
	220V	А	170
	330V	А	170
	460V	А	150

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IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
	75V	А	180
	110V	A	90
	220V	A	_
	330V	A	_
	460V	A	_
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series	1001		
	75V	А	180
	110V	A	140
	220V	A	100
	330V	A	100
	460V	A	_
IEC may autrent to in DC2 DC5 with L/P - 15ms with 2 palos in series	400 V	A	_
IEC max current le in DC3-DC5 with $L/R = 15$ ms with 3 poles in series	751/	^	400
	75V	A	180
	110V	A	160
	220V	A	140
	330V	A	100
	460V	A	_
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			
	75V	А	180
	110V	А	160
	220V	А	160
	330V	А	160
	460V	А	100
Short-time allowable current for 10s (IEC/EN60947-1)		А	1500
Protection fuse			
	gG (IEC)	А	315
	aM (IEC)	А	200
Making capacity (RMS value)	× ,	А	1850
Breaking capacity at voltage			
	440V	А	1850
	500V	A	1600
	690V	A	1480
Resistance per pole (average value)		m?	0.3
Power dissipation per pole (average value)			0.0
	Ith	W	20.3
	AC3	W	9.7
Tightoning torque for terminole	AC3	vv	9.7
Tightening torque for terminals	!	N lur-	10
	min	Nm	18
	max	Nm	18
	min	Ibin	13.3
	max	lbin	13.3
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		300 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



11B180400440 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 440...480VAC/DC

Operating position

Operating position	normal		Vertical plan
Eiving	allowable		±30° Screw
Fixing Weight		0	6320
Weight Conductor section		g	0320
AWG/kcmil conductor section			
AWG/Remin conductor section	max		300 kcmil
Operations	Пах		
Mechanical life		cycles	10000000
Electrical life		cycles	1000000
Safety related data		.,	
Performance level B10d according to EN/ISO 13489-1			
Ŭ	rated load	cycles	1000000
	mechanical load	cycles	1000000
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	440
	max	V	415
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		0/11	
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up		%Us	80
	min max	%Us %Us	80 110
drop-out	max	/005	110
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C	max	/000	
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz	noiding		
	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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440...480VAC/DC

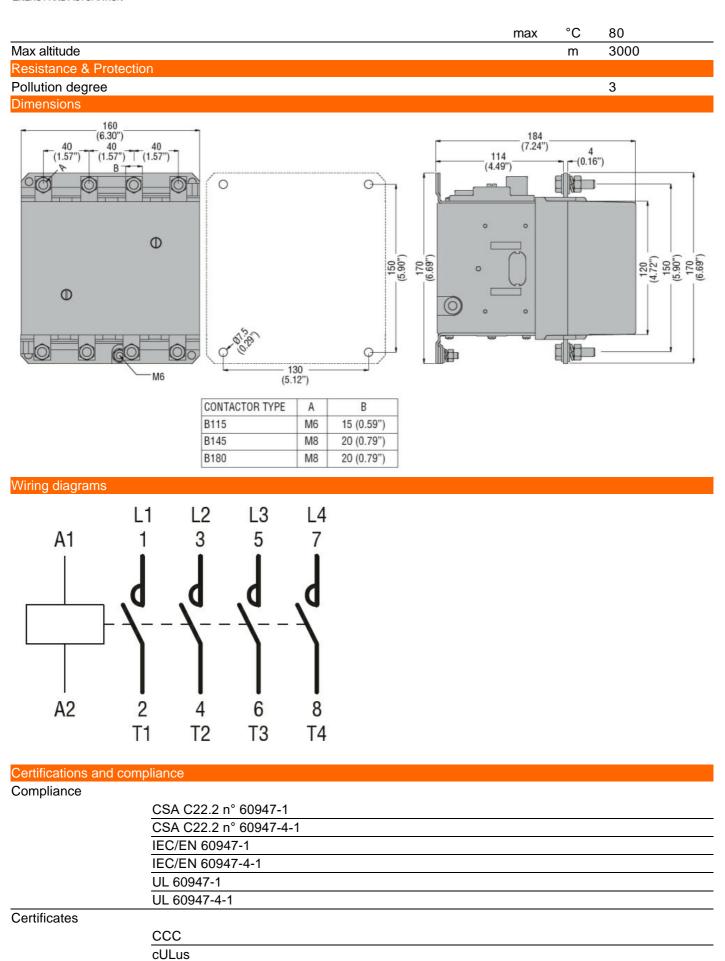
			min	V	440
			max	V	415
DC operating voltage				-	
Do operating voltage	niek un				
	pick-up			0/11-	0.0
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion =20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					-
Mechanical operation				cycles/h	2400
Operating times				0,000,11	2400
	ontrol				
Average time for Us co					
	in AC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
	in DC				
		Closing NO			
		J I I J I	min	ms	60
			max	ms	100
		Opening NO	Шах	ino	100
			min	ma	25
			min	ms	25
			max	ms	60
UL technical data	· · · · · ·				
Full-load current (FLA)	for three-phase AC mo	otor			
			at 480V	A	180
			at 600V	Α	144
Yielded mechanical pe	erformance				
	for three-phase AC m	otor			
	, -		200/208V	HP	60
			220/230V	HP	75
			575/600V	HP	150
General USE			57 5/000 V	111	100
General USE	Contactor				
	Contactor		• •		075
			AC current	A	275
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	10
			Fuse rating	А	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperatur	e			
	operating temperatur	0	min	°C	-50
				°C	-50 70
	Charge to see to see to see to see		max	U	10
	Storage temperature				
			min	°C	-60

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding 11B180400440



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EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching