



Product designation			Power contactor
Product type designation			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		А	275
Operational current le			
	AC-1 (≤40°C)	А	275
	AC-1 (≤55°C)	А	250
	AC-1 (≤70°C)	A	200
	AC-3 (≤440V ≤55°C)	A	185
	AC-4 (400V)	A	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 $L/R \le 1$ ms with 1 poles in series			
	75V	A	260
	110V	A	120
	220V	A	_
	330V	A	_
IFC may automate in DC4 with 1/D < 4 may with 2 malas in agrice	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		٨	200
	75V 110V	A	260 170
	220V	A A	150
	220V 330V	A	150
	460V	A	_
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	400 V	~	
The max current le in Der with Ert 2 mis with 5 poles in series	75V	А	260
	110V	A	170
	220V	A	170
	330V	A	150
	460V	A	_
IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series	100 1		
	75V	А	260
	110V	A	170
	220V	A	170
	330V	A	170
	460V	A	150

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EC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	75V	А	180
	110V	А	90
	220V	А	_
	330V	А	_
	460V	Α	_
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	75V	А	180
	110V	А	140
	220V	А	100
	330V	А	-
	460V	А	-
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
·	75V	А	180
	110V	A	160
	220V	A	140
	330V	A	100
	460V	A	_
EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	400 v	Λ	
EC max current le in DCS-DCS with L/K = 15ms with 4 poles in series	75V	۸	100
		A	180
	110V	A	160
	220V	A	160
	330V	A	160
	460V	A	100
Short-time allowable current for 10s (IEC/EN60947-1)		A	1500
Protection fuse			
	gG (IEC)	А	315
	aM (IEC)	Α	200
Making capacity (RMS value)		Α	1850
Breaking capacity at voltage			
	440V	Α	1850
	500V	А	1600
	690V	А	1480
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	lth	W	20.3
	AC3	W	9.7
Fightening torque for terminals			••••
	min	Nm	18
	max	Nm	18
	min	lbin	13.3
	max	lbin	13.3
	IIIdA		15.5
Fightoning torque for coil terminal			
Fightening torque for coil terminal		N lur-	1
Fightening torque for coil terminal	min	Nm	1
Fightening torque for coil terminal	max	Nm	1
Fightening torque for coil terminal	max min	Nm Ibin	1 0.74
	max	Nm Ibin Ibin	1 0.74 0.74
Max number of wires simultaneously connectable	max min	Nm Ibin	1 0.74
Max number of wires simultaneously connectable	max min	Nm Ibin Ibin	1 0.74 0.74
Max number of wires simultaneously connectable	max min	Nm Ibin Ibin	1 0.74 0.74
Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section AWG/Kcmil	max min	Nm Ibin Ibin	1 0.74 0.74



Operating position

Operating position		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw
Veight				6320
Conductor section			g	0320
	AWG/kcmil conductor section			
	AWG/KCITIII CONductor Section	max		300 kcmil
Operations		IIIdx		SOO Kerrin
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data			0y0l03	1000000
	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	10000000
Mirror contats accordi	ng to IEC/EN 609474-4-1		- Oyoloo	yes
EMC compatibility				yes
AC coil operating				y 00
Rated AC voltage at 5	0/60Hz, 60Hz			
		min	V	220
		max	v	240
AC operating voltage		max		
to operating vehage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	Prov ob	min	%Us	80
		max	%Us	110
	drop-out	Пал	/000	110
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	max	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	pick-up			
	plott dp	min	%Us	80
		max	%Us	110
	drop-out	Пал	/000	110
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	Пах	,	
	pick-up			
	how ab	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consi	umption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	notang	.,,	
		in-rush	VA	300
		111031	٧A	
		holding	VA	10

DC rated control voltage



Four-pole contactor, IEC operating current Ith (AC1) = 275A, AC/DC coil, 220...240VAC/DC

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V 220 min V max 240 DC operating voltage pick-up min %Us 80 %Us 110 max drop-out min %Us 20 %Us 60 max Average coil consumption ≤20°C in-rush W 300 holding W 10 Max cycles frequency Mechanical operation cycles/h 2400 **Operating times** Average time for Us control in AC **Closing NO** 60 min ms max ms 100 **Opening NO** min ms 25 60 max ms in DC **Closing NO** min ms 60 100 max ms **Opening NO** 25 min ms max ms 60 UL technical data Full-load current (FLA) for three-phase AC motor at 480V А 180 at 600V А 144 Yielded mechanical performance for three-phase AC motor 200/208V HP 60 220/230V HP 75 460/480V HP 150 575/600V HP 150 General USE

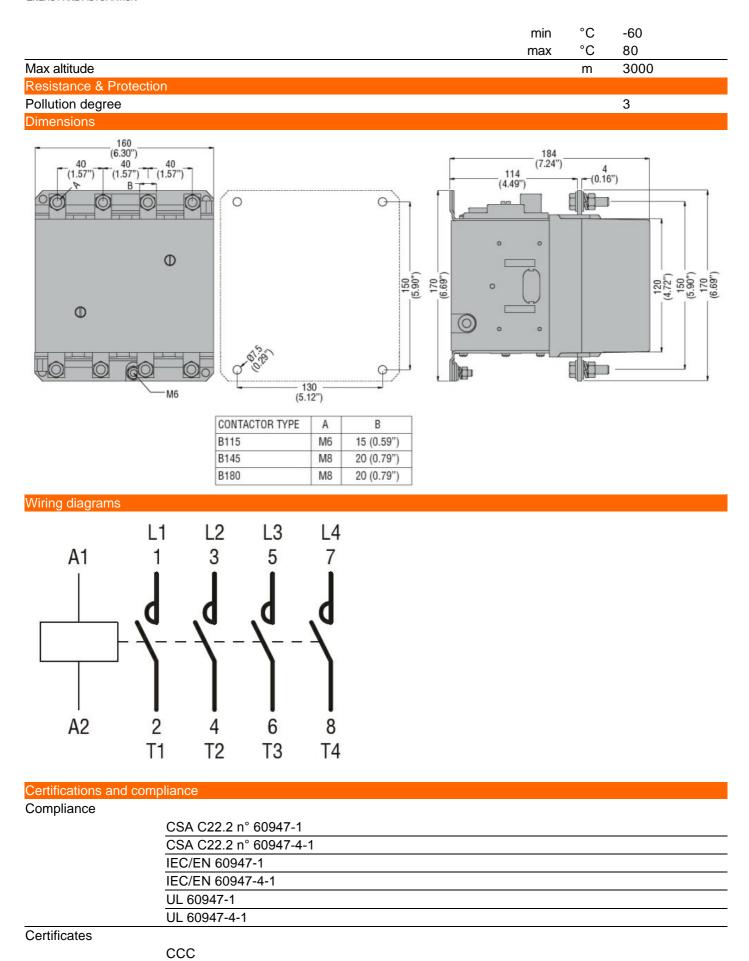
Contactor AC current 275 А Short-circuit protection fuse, 600V Standard fault Short circuit current kΑ 10 Fuse rating А 500 Fuse class RK5 Ambient conditions Temperature Operating temperature °C -50 min °C 70 max

Storage temperature



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ETIM classification

EAC

ETIM 8.0

EC000066 -Power contactor, AC switching