## 11B180L00220220



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 110...125VAC



Product designation			Power contactor
Product type designation			B180
Contact characteristics		N La	2
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			05
	min	Hz	25
IFO Occurrentian of face a single connect life	max	Hz	400
IEC Conventional free air thermal current Ith		A	275
Operational current le			075
	AC-1 (≤40°C)	A	275
	AC-1 (≤55°C)	A	250
	AC-1 (≤70°C)	A	200
	AC-3 (≤440V ≤55°C)	A	185
	AC-4 (400V)	A	65
Rated operational power AC-3 (T≤55°C)	(00) (		100
	400V	kW	100
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	-
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			000
	75V	A	260
	110V	A	170
	220V	A	150
	330V	A	-
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			000
	75V	A	260
	110V	A	170
	220V	A	170
	330V	A	150
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			000
	75V	A	260
	110V	A	170
	220V	А	170



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	330V	А	170
	460V	А	150
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	А	-
EC max current le in DC3-DC5 with L/R $\leq$ 15ms 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		
	75V	А	180
	110V	A	160
	220V	A	160
	330V	A	160
	460V	A	100
Short time allowable surrent for 100 (IEC/ENG0017.1)	400 V	A	
Short-time allowable current for 10s (IEC/EN60947-1) Protection fuse		A	1500
Protection ruse		٨	245
	gG (IEC)	A	315
	aM (IEC)	A	200
Making capacity (RMS value)		A	1850
Breaking capacity at voltage			
	440V	A	1850
	500V	A	1600
	690V	A	1480
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	lth	W	20.3
	AC-3	W	9.7
Fightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	lbin	13.3
	max	Ibin	13.3
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	max	Nr.	2
Conductor section			
AWG/Kcmil			
	mov		300 komil
	max		300 kcmil



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ENERGY AND AUTOMATION

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Power terminal protection according to IEC/EN 60529			IP00
lechanical features			
Dperating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	6040
Conductor section			
AWG/kcmil conductor section			
	max		300 kcmil
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	1000000
Safety related data		.,	
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1000000
	mechanical load	cycles	10000000
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	220
	max	v	240
AC operating voltage		•	210
of 50/60Hz coil powered at 50H	7		
pick-up			
	min	%Us	80
	max	%Us	110
drop-ou		/000	110
	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60H		/000	
pick-up			
ρισκ-αρ	min	%Us	80
	max	%Us	110
drop-ou		/003	110
ulop-or	min	%Us	20
	max	%Us	20 60
of 60Hz coil powered at 60Hz	iliax	/003	00
pick-up			
ριεκ-αρ	min	%Us	80
	max	%Us	110
drop-ou		/005	110
alop-or	min	%Us	20
		%Us %Us	20 60
AC average coil consumption at 20°C	max	/005	00
-	7		
of 50/60Hz coil powered at 50H		1/4	200
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60H		174	200
	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10





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DC coil operating				
DC rated control voltage	je			
		min	V	220
		max	V	240
DC operating voltage				
	pick-up			
		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				
Average time for Us co				
	in AC			
	Closing N			
		min	ms	60
		max	ms	100
	Opening N			
		min	ms	25
		max	ms	60
	in DC			
	Closing N			
		min	ms	60
		max	ms	100
	Opening N			
		min	ms	25
		max	ms	60
UL technical data				
Full-load current (FLA)	for three-phase AC motor		_	
		at 480V	A	180
	· · · · · · · · · · · · · · · · · · ·	at 600V	A	144
Yielded mechanical pe				
	for three-phase AC motor			00
		200/208V	HP	60
		220/230V	HP	75
0		575/600V	HP	150
General USE				
	Contactor			075
		AC current	A	275
Short-circuit protection				
	Standard fault			4.0
		Short circuit current	kA	10
		Fuse rating	А	500
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70

11B180L00220220 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

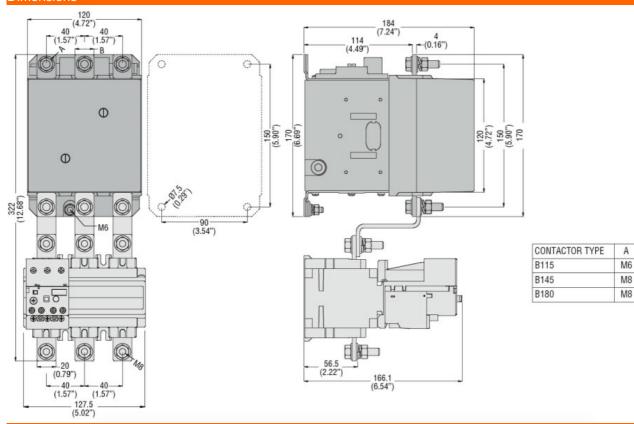


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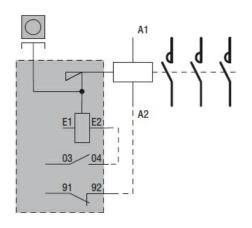
ENERGY AND AUTOMATION				110125VA0	
Storage temperature					
	min	°C	-60		
	max	°C	80		
Max altitude		m	3000		
Resistance & Protection					

Resistance & Protectior Pollution degree

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



3

В

15 (0.59")

20 (0.79")

20 (0.79")



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Certificates	
	CCC
	cULus
	EAC
ETIM classification	

**ETIM 8.0** 

EC000066 -Power contactor, AC switching