11B1804L00220220



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VAC



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		Α	275
Operational current le			
	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-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			
	75V	A	260
	110V	A	170
	220V	A	150
	330V	A	-
IFO many summer to in DO4 with 1/D < 4ma with 2 malas in series	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	75)/	•	000
	75V	A	260
	110V	A	170
	220V	A	170
	330V	A	150
IEC may autrent to in DC1 with L/P < 1mg with 4 polog in agrice	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		^	000
	75V 110V	A	260
	220V	A A	170 170
	220V 330V	A A	170 170
	330V 460V	A A	170 150
	40UV	A	150



11B1804L00220220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

220...240VAC

IEC 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	A	140
	220V	A	100
	330V	A	_
	460V	A	_
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	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	100 V	71	
	75V	А	180
	110V	A	160
	220V	A	160
	330V	A	160
	460V	A	100
Short-time allowable current for 10s (IEC/EN60947-1)	100 V	A	1500
Protection fuse		71	1000
	gG (IEC)	А	315
	aM (IEC)	A	200
Making capacity (RMS value)		A	1850
Breaking capacity at voltage		,,	1000
Droaking capacity at tokago	440V	А	1850
	500V	A	1600
	690V	A	1480
Resistance per pole (average value)	0001	mΩ	0.3
Power dissipation per pole (average value)		11132	0.0
	Ith	W	20.3
	AC-3	Ŵ	9.7
Tightening torque for terminals			•
	min	Nm	18
	max	Nm	18
	min	Ibin	13.3
	max	Ibin	13.3
Tightening torque for coil terminal	Пах		
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	Παλ	Nr.	2
Conductor section		1 11.	۲
AWG/Kcmil			
	mov		300 kcmil
Power terminal protection according to IEC/EN 60529	max		IP00



11B1804L00220220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

Weight g 6960 Conductor section AWG/kcmil conductor section max 300 kcmil Operations Vechanical life cycles 10000000	Operating position				
Txing Screw Weight g 6860 AWG/kcmil conductor section max 300 kcmil Operations cycles 1000000 Electrical life cycles 1000000 Electrical life cycles 1000000 Electrical life cycles 1000000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 1000000 Wirror contats according to IEC/EN 609474-4-1 yes 1000000 1000000 We coll operating yes vertail vertail vertail AC operating voltage of 50/60Hz, 60Hz min V 220 AC operating voltage of 50/60Hz coil powered at 50Hz min %Us 110 of 50/60Hz coil powered at 60Hz pick-up min %Us 60 of 50/60Hz coil powered at 60Hz min %Us 60 of 60Hz coil powered at 60Hz min %Us 60 of 60Hz coil powered at 60Hz min %Us 60 of 60Hz coil powered at 60Hz min %Us 60 of 60Hz coil powered at 60Hz min %Us 60 of 60Hz coil powered at 60Hz min %Us 60 max %Us			normal		Vertical plan
Weight g 6960 Conductor section max 300 kcmil AWG/kcmil conductor section max 300 kcmil Operations cycles 1000000 Vectorial life cycles 1000000 Safety related data rated load cycles 1000000 Vertor contats according to IEC/EN 609474-4-1 yes yes 1000000 Vector compatibility yes yes yes 1000000 Vector contats according to IEC/EN 609474-4-1 yes yes yes yes EMC compatibility yes yes <t< td=""><td></td><td></td><td>allowable</td><td></td><td>±30°</td></t<>			allowable		±30°
AWG/kcmil conductor section max 300 kcmil Operations	Fixing				Screw
AWG/kcmil conductor section max 300 kcmil Pertaions events 1000000 Electrical life cycles 1000000 Safery related data rated load cycles 1000000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 1000000 MUC compatibility ves 1000000 1000000 MUC compatibility ves ves ves NC compatibility ves 220 max ves Cooperating max ves 240 ves 240 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min ves 80 AC operating voltage of 50/60Hz coil powered at 60Hz pick-up min %Us 80 AC operating voltage of 50/60Hz coil powered at 60Hz pick-up max %Us 80 AC operating voltage of 60Hz coil powered at 60Hz pick-up min %Us 80 AC operating voltage of 60Hz coil powered at 60Hz pick-up min %Us 80 AC operating	Weight			g	6960
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Operations cycles 1000000 Electrical life cycles 1000000 Safety related data cycles 1000000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 1000000 Micro contats according to EC/EN 609474-4-1 yes 1000000 1000000 Micro contats according to EC/EN 609474-4-1 yes 1000000 1000000 Micro contats according to EC/EN 609474-4-1 yes 1000000 1000000 Micro contats according to EC/EN 609474-4-1 yes yes 100 MC compatibility yes 100 100 100 AC coll operating of 50/60Hz, 60Hz min V 220 max V 240 AC operating voltage of 50/60Hz coil powered at 50Hz min %Us 80 max %Us 110 drop-out min %Us 80 max %Us 60 of 50/60Hz coil powered at 60Hz min %Us 80 max %Us 60 of 60Hz coil powered a		AWG/kcmil conductor section			
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Performance level B10d according to EN/ISO 13489-1 rated load cycles 1000000 mechanical load cycles 10000000 Wirror contats according to IEC/EN 609474-4-1 Wes Compatibility V 298 C coll operating Rated AC voltage at 50/60Hz, 60Hz Rated AC voltage at 50/60Hz, 60Hz C operating voltage of 50/60Hz coil powered at 50Hz pick-up min %US 80 max %US 110 of 50/60Hz coil powered at 60Hz pick-up min %US 80 max %US 10 of 50/60Hz coil powered at 60Hz pick-up min %US 80 max %US 10 of 50/60Hz coil powered at 60Hz pick-up min %US 80 max %US 10 of 50/60Hz coil powered at 60Hz pick-up min %US 80 max %US 10 AC operating voltage of 60Hz coil powered at 60Hz pick-up min %US 80 max %US 10 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush %U 300 holding %U A 10	Safety related data			•	
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drop-out min %Us 20 max %Us 60 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz <u>in-rush VA 300</u> holding VA 10 of 50/60Hz coil powered at 60Hz in-rush VA 300 holding VA 10			min		
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max %Us 60 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 300 holding VA 10 of 50/60Hz coil powered at 60Hz in-rush VA 300 holding VA 10 VA 10 10		drop-out			
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of 50/60Hz coil powered at 50Hz in-rush VA 300 holding VA 10 of 50/60Hz coil powered at 60Hz in-rush VA 300 holding VA 10			max	<u>%U</u> s	60
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of 50/60Hz coil powered at 60Hz in-rush VA 300 holding VA 10			holding	VA	10
in-rush VA 300 holding VA 10		of 50/60Hz coil powered at 60Hz	<u></u>		
holding VA 10			in-rush	VA	300
		<20°C 50H-	nording		

DC rated control voltage

220...240VAC



220

240

80

110

20

60

300

10



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VAC

min

max

min

max

min

max

in-rush

holding

V

V

%Us

%Us

%Us

%Us

W

W

cycles/h 2400

ENERGY AND AUTOMATION

DC operating voltage

Max cycles frequency

Mechanical operation Operating times

Average time for Us control

Average coil consumption ≤20°C

pick-up

drop-out

Average lime for t					
	in AC	Closing NO			
			min	ms	60
			max	ms	100
		Opening NO	max	me	
			min	ms	25
			max	ms	60
	in DC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			0.5
			min	ms	25
UL technical data			max	ms	60
	FLA) for three-phase A	C motor			
			at 480V	А	180
			at 600V	A	144
Yielded mechanic	al performance				
	for three-phase A	AC motor			
			200/208V	HP	60
			220/230V	HP	75
			575/600V	HP	150
General USE					
	Contactor				
			AC current	A	275
Short-circuit prote					
	Standard fault				4.0
			Short circuit current	kA	10
			Fuse rating Fuse class	A	500 RK5
Ambient condition	S		Fuse class		KK3
Temperature					
. emporatoro	Operating tempe	erature			
			min	°C	-50
			max	°C	70
	Storage tempera	iture			
			min	°C	-60

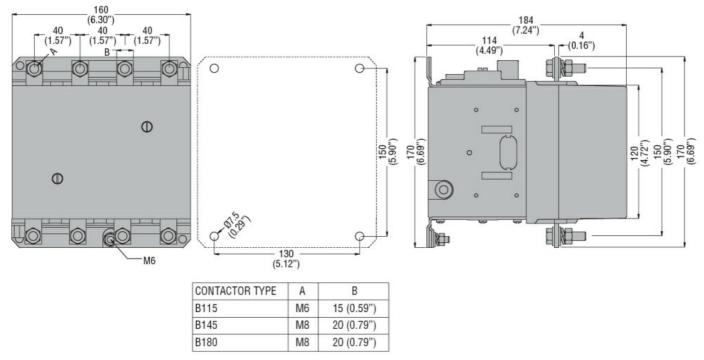
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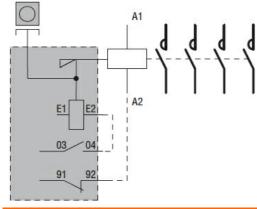
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VAC

ENERGY AND AUTOMATION

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



Wiring diagrams



Certifications and compliance

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 classificatio	n i i i i i i i i i i i i i i i i i i i

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FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VAC

ETIM 8.0

EC000066 -Power contactor, AC switching