11B180L00380380



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 380...415VAC



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		Α	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



11B180L00380380 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH

380...415VAC

	330V	А	170
	460V	А	150
EC max current le in DC3-DC5 with $L/R \le 15$ ms 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	~	
EC max current le in DC3-DC3 with E/K = 15ms with 4 poles in series	75V	А	180
	110V	A	160
	220V	A	160
	330V	A	160
	460V	<u>A</u>	100
Short-time allowable current for 10s (IEC/EN60947-1)		A	1500
Protection fuse			o / -
	gG (IEC)	A	315
	aM (IEC)	A	200
Making capacity (RMS value)		A	1850
Breaking capacity at voltage			
	440V	A	1850
	500V	А	1600
	690V	Α	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	lbin	13.3
Fightening torque for coil terminal			
	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		111.	2
AWG/Kcmil			200 kemil
	max		300 kcmil



11B180L00380380 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

380...415VAC

Power terminal protection according	g to IEC/EN 60529			IP00
Mechanical features				
Operating position				Martical alar
		normal allowable		Vertical plan ±30°
Eiving		allowable		Screw
Fixing			2	6100
Weight Conductor section			g	6100
	conductor section			
AvvG/kcmii		mov		300 kcmil
Operations		max		300 KCITIII
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data			Cycles	1000000
Performance level B10d according	to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	1000000
Mirror contats according to IEC/EN	609474-4-1		0,0100	yes
EMC compatibility				yes
AC coil operating				,
Rated AC voltage at 50/60Hz, 60Hz	2			
		min	V	380
		max	V	415
AC operating voltage				
	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			
		min	%Us	20
		max	%Us	60
of 60Hz coi	il powered at 60Hz			
	pick-up		0/11-	80
		min	%Us	80
	dran cut	max	%Us	110
	drop-out		0/11~	20
		min	%Us %Us	20 60
AC average coil consumption at 20	°۲	max	/005	00
. .	coil powered at 50Hz			
01 50/00 HZ	our powered at SUMZ	in-rush	VA	300
		holding	VA VA	300 10
	coil powered at 60Hz	noiulity	٧A	10
01 50/00Hz	oon powered at ours	in-rush	VA	300
		holding	VA VA	300 10
Dissipation at holding ≤20°C 50Hz		noiuing	W	10

11B180L00380380 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





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

380...415VAC

DC coil operating					
DC rated control voltage	ge				
			min	V	380
			max	V	415
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					0.400
Mechanical operation				cycles/h	2400
Operating times	a námel				
Average time for Us co					
	in AC				
		Closing NO			<u></u>
			min	ms	60 100
			max	ms	100
		Opening NO	min	me	25
			max	ms ms	60
	in DC		IIIdX	1115	00
	III DC	Closing NO			
		Closing NO	min	ms	60
			max	ms	100
		Opening NO	Шах	mo	100
		oponing ito	min	ms	25
			max	ms	60
UL technical data			Пах	me	
) for three-phase AC mot	or			
· · · · · · · · · · · · · · · · · · ·			at 480V	А	180
			at 600V	A	144
Yielded mechanical pe	erformance				
	for three-phase AC mo	otor			
			200/208V	HP	60
			220/230V	HP	75
			575/600V	HP	150
General USE					
	Contactor				
			AC current	А	275
Short-circuit protection	n fuse, 600V				
-	Standard fault				
			Short circuit current	kA	10
			Fuse rating	А	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature)			
			min	°C	-50
			max	°C	70

¹¹B180L00380380 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

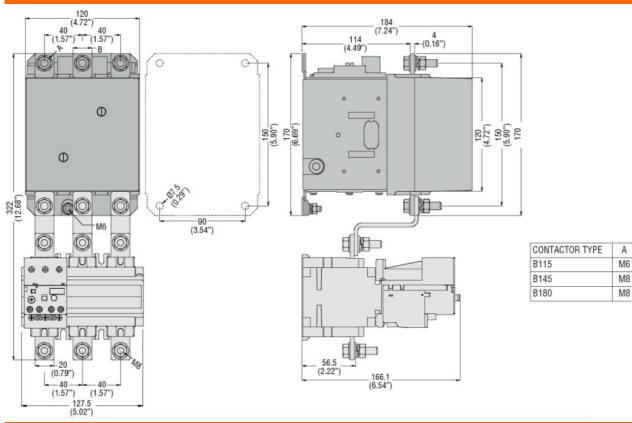


ENERGY AND AUTOMATION

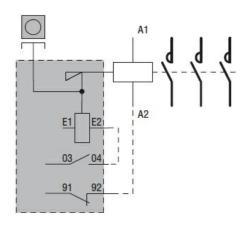
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 380...415VAC



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

11B180L00380380

В

15 (0.59")

20 (0.79")

20 (0.79")



11B180L00380380 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 185A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 380...415VAC

ENERGY AND AUTOMATION

Certificates	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching