



			•
Product designation			Power contactor
Product type designation			BG06
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			•
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	16
Operational current le			10
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	A	14
	AC-1 (≤55 C) AC-1 (≤70°C)		14
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A	6
	. , ,	A	
Deted energtional neuron AC 2 (TCEE°C)	AC-4 (400V)	A	3.3
Rated operational power AC-3 (T≤55°C)	0001/	1.1.47	4 5
	230V	kW	1.5
	400V	kW	2.2
	415V	kW	2.4
	440V	kW	2.5
	500V	kW	3
	690V	kW	3
Rated operational power AC-1 (T≤40°C)			
	230V	kW	6
	400V	kW	10
	500V	kW	13
	690V	kW	18
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	A	9
	48V	A	8
	75V	A	4
	110V	А	3
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	48V 75V	A A	14 8

electric ENERGY AND AUTOMATION

11BG0601D220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 220VDC, **INC AUXILIARY CONTACT**

	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	7
	48V	А	7
	75V	A	4
	110V	A	3
	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	9
	48V	A	9
	75V	A	5
	110V	A	4
	220V	A	0,5
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	2201	7	0,0
	≤24V	А	_
	48V	A	_
	40V 75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	96
Protection fuse		A	90
FICIECIIOITIUSE		۸	16
	gG (IEC)	A	16
Making consoity (DMS value)	aM (IEC)	A A	6 92
Making capacity (RMS value)		A	92
Breaking capacity at voltage	4.40) (•	70
	440V	A	72
	500V	A	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	lbin	9
Tightening torque for coil terminal		_	
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 220VDC, 1NC AUXILIARY CONTACT

11BG0601D220

		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			40
	Flouible w/a lug conductor contian	max		12
	Flexible w/o lug conductor section	min	mm ²	0.75
		min	mm² mm²	0.75 2.5
	Flexible c/w lug conductor section	max	111111	2.0
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max	111111	2.0
	T lexible with insulated space log conductor section	min	mm²	1.5
		max	mm²	2.5
		max	111111	IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				F. 66 6. 7 111 00
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rai
Fixing				35mm
Weight			g	222
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	15			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.2
		110V	А	0.6
		125V	А	0.55
		220V	A	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data			-	
	10d according to EN/ISO 13489-1			
	-	rated load	cycles	500000
		echanical load	cycles	20000000
	m	echanical luau	Cycles	20000000
Mirror contats accord		echanicalioau	Cycles	
Mirror contats accord EMC compatibility	ling to IEC/EN 609474-4-1		Cycles	yes yes



11BG0601D220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 220VDC,

INC AUXILIARY CONTACT

DC rated control voltage	10			V	220
DC rated control voltage	je			V	220
DC operating voltage	pick-up				
	plok up		min	%Us	75
			max	%Us	115
	drop-out			,	
			min	%Us	10
			max	%Us	25
Average coil consumption	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	min	me	12
			min max	ms ms	21
		Opening NO	IIIdX	1115	<u>۲</u> ۱
			min	ms	9
			max	ms	18
		Closing NC		-	-
		Ū	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC	.			
		Closing NO			40
			min	ms	18
		Opening NO	max	ms	25
			min	ms	2
			max	ms	3
		Closing NC	max		-
		J -	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	tor three-phase AC mo	otor			4.0
			at 480V	A	4.8
Violdod mochanical	rformance		at 600V	A	3.9
Yielded mechanical pe	for single-phase AC n	notor			
	ior single-phase AC I		110/120V	HP	0.3
			230V	HP	1
	for three-phase AC m	otor	2007		•
			200/208V	HP	1.5
			220/230V	HP	2
			460/480V	HP	3
			575/600V	HP	3

11BG0601D220 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				
General USE				
	Contactor	AC current	А	16
Short-circuit protectio				
	High fault			
		Short circuit current	kA ^	100
		Fuse rating Fuse class	A	30 J
	Standard fault			0
		Short circuit current	kA	5
		Fuse rating	А	30
-	liary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°Č	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude	1		m	3000
Resistance & Protect Pollution degree	lon			3
Dimensions				5
4.4 (0.17") (0.17") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33")	(2.24") (2.24") (2.24") (887 (887 (1.37")	C (0.12 C (0.12 C (0.12 C (0.12 C (0.12) C (0.12)	(2.28 ["]) 50	57 .24") RF9 9 9 9 9 9 9
A1 $A1$ $A1$ $A1$ $A2$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Certifications and con	npliance			
Compliance	CSA C22.2 p° 60047.4			
	CSA C22.2 n° 60947-1 CSA C22.2 n° 60947-4-1			
	JUA UZZ.Z II UU34/-4-1			



11BG0601D220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 220VDC, **1NC AUXILIARY CONTACT**

	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching