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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
		ĸv	0
Operational frequency			<u></u>
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	16
Operational current le			
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	А	130
	AC-3 (≤440V ≤55°C)	Α	6
	AC-4 (400V)	А	3.3
Rated operational power AC-3 (T≤55°C)			
	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)	0301		5
	230V	kW	6
	230V 400V	kW	
			10
	500V	kW	13
	690V	kW	18
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	A	16
	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	А	72
	690V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	2.6
	AC3	Ŵ	0.36
Tightening torque for terminals	703	۷V	0.00
rightening lorque for terminals		Nim	0.9
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	Ibin	0.74



Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			
Flexible w/o lug conductor section			
	min	mm²	0.75
	max	mm²	2.5
Flexible c/w lug conductor section	Шал	111111	2.0
Flexible c/w lug conductor section	min	mm ²	1 5
	min	mm²	1.5
	max	mm²	2.5
Flexible with insulated spade lug conductor section			
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when wired
Mechanical features			
Operating position			
	normal		vertical plan
al	lowable		±30°
			Screw / DIN rail
Fixing			35mm
Weight		g	180
Auxiliary contact characteristics		Ű	
Type of contact			1 NC
Thermal current lth		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			A000 Q000
Operating current AC 15	230V	А	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12		_	
	110V	A	2.9
Operating current DC13			
	24V	A	2.9
	48V	А	1.4
	60V	Α	1.2
	110V	А	0.6
	125V	А	0.55
	220V	А	0.3
	600V	А	0.1
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data		-, 0.00	
Performance level B10d according to EN/ISO 13489-1			
-	ed load	ovelee	500000
		cycles	
Mirror contate according to UEO/EN CO0474-4-4		cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			



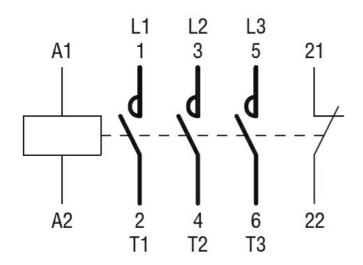
			min	V	12
			max	V	575
AC operating voltage					
	of 50/60Hz coil po				
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		0/11-	00
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil po				
		pick-up		0/110	00
			min	%Us	80
		drop out	max	%Us	115
		drop-out	min	0/110	20
			min	%Us %Uc	20 55
AC opporting valtage	at 20°C		max	%Us	55
AC operating voltage					
	of 50/60Hz coil po	wered at SUHZ	·	١/٨	20
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil po	wered at 60Hz	·	١/٨	25
			in-rush	VA	25
	-1.0011		holding	VA	3
	of 60Hz coil power	red at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50HZ			W	0.95
DC coil operating DC rated control volta	a 0				
	ge		min	V	6
			min	V V	
Average coil consum	tion <20°C		max	V	250
Average con consump	0001 ≤20 C		in ruch	14/	2.2
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency				ev (el e e /h	2000
Mechanical operations	6			cycles/h	3600
Operating times	ontrol				
Average time for Us c	in AC				
	IN AC				
		Closing NO		ma	12
			min	ms	
		Opening NO	max	ms	21
		Opening NO		-	0
			min	ms	9
			max	ms	18
		Closing NC			4 7
			min	ms	17
		0 1 10	max	ms	26
		Opening NC			_
			min	ms	7
			max	ms	17
	in DC	.			
		Closing NO			

Closing NO



		min	ms	18
		max	ms	25
	Opening	NO		
		min	ms	2
		max	ms	3
	Closing N	1C		
		min	ms	3
		max	ms	5
	Opening	NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA	A) for three-phase AC motor			
		at 480V	А	4.8
		at 600V	А	3.9
Yielded mechanical p	performance			
	for single-phase AC motor			
	C .	110/120V	hp	0.3
		230V	hp	1
	for three-phase AC motor			
	·	200/208V	hp	1.5
		220/230V	, hp	2
		460/480V	, hp	3
		575/600V	, hp	3
Contact rating of auxi	liary contacts according to UL			A600 - Q600
General USE	, ,			
	Contactor			
	Contactor	AC current	А	16
	Contactor	AC current	A	16
Ambient conditions	Contactor	AC current	A	16
		AC current	A	16
Ambient conditions	Contactor Operating temperature	AC current	A °C	-40
Ambient conditions				
Ambient conditions	Operating temperature	min	°C	-40
Ambient conditions		min	°C	-40
Ambient conditions	Operating temperature	min max	°C °C	-40 60
Ambient conditions	Operating temperature	min max min	°C °C °C	-40 60 -55
Ambient conditions Temperature	Operating temperature Storage temperature	min max min	°C °C °C °C	-40 60 -55 70
Ambient conditions Temperature Max altitude Resistance & Protect	Operating temperature Storage temperature	min max min	°C °C °C °C	-40 60 -55 70
Ambient conditions Temperature Max altitude	Operating temperature Storage temperature	min max min	°C °C °C °C	-40 60 -55 70 3000
Ambient conditions Temperature Max altitude Resistance & Protect Pollution degree Dimensions	Operating temperature Storage temperature	min max min max	°C °C °C °C	-40 60 -55 70 3000
Ambient conditions Temperature Max altitude Resistance & Protect Pollution degree Dimensions $44 + (1.73") + (0.17") + (0.17") + (0.33") + (0.38")$	Operating temperature Storage temperature	min max min max	°C °C °C m	-40 60 -55 70 3000 3
Ambient conditions Temperature Max altitude Resistance & Protect Pollution degree Dimensions $44 + (0.17")$ $(0.33")$ $8.5 + (0.33")$ $(0.33")$	Operating temperature Storage temperature	$\begin{array}{c} \text{min}\\ \text{max}\\ \\ \text{min}\\ \text{max}\\ \end{array}$	°C °C °C m	-40 60 -55 70 3000 3
Ambient conditions Temperature Max altitude Resistance & Protect Pollution degree Dimensions $44 + (1.73") + (0.17") + (0.17") + (0.33") + (0.38")$	Operating temperature Storage temperature	min max min max	°C °C °C m	-40 60 -55 70 3000 3





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
Certificates	
	CCC
	cULus
	EAC
ETIM 6 classification	

EC000066 - Power contactor, AC switching