



		4	
Product designation			Power contactor
Product type designation			BG06
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency			
operating nequency	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith	Operational frequency max	A	16
		A	10
Operating current	0 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.0
	Operational current AC1 (≤40°C)	Α	16
	Operational current AC3 (≤440V ≤55°C)	Α	6
	Operational current AC4 (400V)	A	3.3
Rated operational power AC1 (T≤40°C)			
	230V	kW	6
	400V	kW	10
	500V	kW	13
	690V	kW	18
Rated operational power AC3A (T≤55°C)			
	Rated operational power AC3 (T≤55°C) 230	V kW	1.5
	Rated operational power AC3 (T≤55°C) 400		2.2
	Rated operational power AC3 (T≤55°C) 415		2.4
	Rated operational power AC3 (T≤55°C) 440		2.5
	Rated operational power AC3 (T≤55°C) 500		3
	Rated operational power AC3 (T≤55°C) 690		3
Short-time allowable current for 10s (IEC/EN609		A	96
Protection fuse	771 1)		
1 Total Culott tuse	gG (IEC)	۸	16
	• , ,	A	
Malding and add (DMC color)	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	Breaking capacity 440V	Α	72
	Breaking capacity 500V	Α	72
	Breaking capacity 690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Power dissipation pole (average value) Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.59
	max	lbft	0.74
		IDIL	U.1 T





		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
may number of wires	aimultana ayaly aanna atabla	max	Ibft	0.74
Conductor section	simultaneously connectable		nr.	
Conductor Section	AWG			
	AWG	min		18
		max		12
	Flexible w/o lug conductor section	Пах		12
	r loxible ti/e lag conductor cochem	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	9	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 protect	ction according to IEC/EN 60529			IP20 when wired
Auxiliary contact chara	acteristics			
Type of contact				1 NO
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600 - Q600
Operational current A			Α	16
Operating current AC	15			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC	12			
		110V	A	2.9
Operating current DC	13			
		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.1
		110V	Α	Screw / DIN rail 35mm
		125V	Α	0.3
		220V	Α	0.1
		600V	Α	0.6
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	60
	Storage temperature			
		min	°C	<b>-</b> 55
		max	°C	70
Max altitude			m	3000
Operating position				Madala
		normal		Vertical plan
		allowable		±30°
Mounting				Screw / DIN rail
			~	35mm 0.182
Weight			g	U.10Z



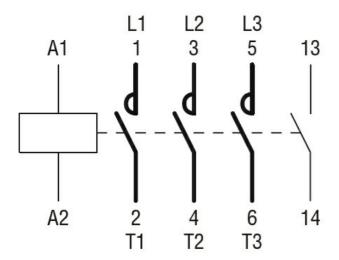
Mechanical life			Cycles	20000000
Electrical life			Cycles	5000000
Safety related data			Oycics	300000
	0d according to EN/ISO 13489-1			
	3	rated load	Cicli	500000
		mechanical load	Cicli	20000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility	-			yes
AC coil operating				
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	0.75
		max	%Us	1.15
	drop-out		0/11-	0.0
		min	%Us	0.2
	of 50/60Hz coil powered at 60Hz	max	%Us	0.55
	•			
	pick-up	min	%Us	0.8
		max	%Us	1.15
	drop-out	παλ	7003	1.10
	diop out	min	%Us	0.2
		max	%Us	0.55
	of 60Hz coil powered at 60Hz		,,,,,	0.00
	pick-up			
	1 1	min	%Us	0.75
		max	%Us	1.15
	drop-out			
		min	%Us	0.2
		max	%Us	0.55
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz		3.74	0.5
		in-rush	VA	25
	of COLLE and the country of COLL	holding	VA	3
	of 60Hz coil powered at 60Hz	عامديس من	\/^	20
		in-rush	VA VA	30 4
Dissipation at holding	<20°C 50Hz	holding	VA W	0.95
DC coil operating	<u></u>		V V	U.3J
DC operating voltage				
Average coil consuption	on <20°C			
, worago oon oonsapiii	520 0	in-rush	W	3.2
		holding	W	3.2
Max cycles frequency		notaling	V V	J.L
Mechanical operations			Cycles/h	3600
Operating times			5,0100/11	3000
Average time for Us co	ontrol			
	in AC			
	Closing NO			





	min	ms	12
	max	ms	21
0	pening NO	1110	21
	min	ms	9
	max	ms	18
C	losing NC	1110	10
	min	ms	17
	max	ms	26
0	pening NC	1110	20
	min	ms	7
	max	ms	17
UL technical data	max	1110	17
Full-load current (FLA) for three-phase AC motor			
Tail load carroll (i EA) for three phase Ao motor	at 480V	Α	4.8
	at 600V	A	3.9
Yielded mechanical performance	at 000 v		J.9
for single-phase AC motor	•		
ioi single-phase AC motol	at 110/120V	hp	0.3
	at 110/120V at 230V	•	
for three-phase AC motor	at 250 v	hp	1
for three-phase AC motor	at 200/209V	hn	1 5
	at 200/208V at 220/230V	hp	1.5
	at 460/480V	hp	2 3
		hp	3
Contact rating of auxiliary contacts apparding to LII	at 575/600V	hp	A600 - Q600
Contact rating of auxiliary contacts according to UL General USE	-		A600 - Q600
Contactor	A.C	۸	40
	AC current	Α	16
Other features			
Pollution degree			3
Dimensions			
4.4— (1.73") (0.17") (	3.71°) (3.71°) (3.71°) (4.60°) (5.00°) (1.00°)	(2.28")	57
8.5 (0.33") 8.5 (0.33") 8.5 (0.33")	32.9 (1.37") 3.2 (0.12)	")	RF9 -7.6 (0.30")

Wiring diagrams



## Certifications and compliance

Certifications

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

Compliance

CCC

cULus

EAC

## ETIM 6 classification

EC000066 - Power contactor, AC switching