





Product type designation	Product designation			Power contactor
Number of poles	Product type designation			BG06
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 IEC Conventional free air thermal current lth A 16 Operational current le AC-1 (≤40°C) A 16 AC-1 (≤55°C) A 14 AC-1 (≤55°C) A 12 AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 3.3 Rated operational power AC-3 (T≤55°C) 230V kW 1.5 400V kW 2.2 440V kW 2.2 415V kW 2.4 444V kW 2.4 440V kW 2.5 500V kW 3 690V kW 1.5 400V kW 2.2 415V kW 6 400V kW 1.0 500V kW 1.0	Contact characteristics			
Rated impulse withstand voltage Uimp	Number of poles		Nr.	3
Operational frequency min max Hz bits 2 do IEC Conventional free air thermal current lith A 16 Operational current le AC-1 (\$40°C) A 16 AC-1 (\$55°C) A 14 AC-3 (\$4400 \$55°C) A 6 AC-3 (\$4400 \$55°C) A 3.3 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 415V kW 2.4 440V kW 2.5 500V kW 3 3 Rated operational power AC-1 (T≤40°C) 230V kW 6 400V kW 10 500V kW 13 690V kW 16 400V kW 10 500V kW 18 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 9 48V A 7 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \$24V A 7 48V A 7 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	Rated insulation voltage Ui IEC/EN		V	690
Fig. 25	Rated impulse withstand voltage Uimp		kV	6
EC Conventional free air thermal current Ith	Operational frequency			
EC Conventional free air thermal current lth		min	Hz	25
Operational current le AC-1 (≤40°C) A 16 AC-1 (≤55°C) A 14 AC-1 (≤70°C) A 12 AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 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 690V kW 10 500V kW 13 690V kW 13 690V kW 18 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 12 48V A 11 75V A 7 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 12 48V A <td></td> <td>max</td> <td>Hz</td> <td>400</td>		max	Hz	400
AC-1 (≤40°C)			Α	16
AC-1 (S55°C)	Operational current le			
AC-1 (≤70°C) A 12 AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 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) 230V kW 6 400V kW 10 500V kW 13 690V kW 13 69			Α	16
AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 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) 230V kW 6 400V kW 13 690V kW 13 690V kW 13 690V kW 18 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 9 48V A 8 75V A 4 110V A 3 220V A − IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 12 48V A 11 75V A 7 110V A 6 220V A − IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			Α	14
AC-4 (400V)			Α	12
Rated operational power AC-3 (T≤55°C) 230V kW 1.5 400V kW 2.2 415V kW 2.4 4440V kW 2.5 500V kW 3 690V kW 3 690V kW 10 500V kW 10 500V kW 13 690V kW 18 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$\frac{24V}{48V} A 9 48V A 8 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \$\frac{24V}{48V} A 12 48V A 11 75V A 7 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		•	Α	
230V kW 1.5 400V kW 2.2 415V kW 2.4 445V kW 2.5 500V kW 3 690V kW 3 690V kW 3 690V kW 3 690V kW 10 500V kW 13 690V kW 18 690	9	AC-4 (400V)	Α	3.3
400V kW 2.2 415V kW 2.4 440V kW 2.5 500V kW 3 690V kW 3 690V kW 3 690V kW 3 690V kW 10 500V kW 13 690V kW 18 kW 10 kW 1	Rated operational power AC-3 (T≤55°C)			
415V		230V	kW	1.5
A40V kW 2.5 500V kW 3 690V kW 10 600V kW 10 600V kW 13 690V kW 18 690V k		400V	kW	2.2
Soov kW 3 690V kW 3 8 8 8 8 8 8 8 8 8		415V	kW	2.4
Rated operational power AC-1 (T≤40°C) 230V kW 6 400V kW 10 500V kW 13 690V kW 18 18 18 18 18 18 19 19		440V	kW	2.5
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 ≤ 1ms with 1 poles in series ≤24V A 9 48V A 8 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 11 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 12 48V A 11 75V A 7 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 12 48V A 7 110V A 6 220V A -		500V	kW	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		690V	kW	3
A00V kW 10 500V kW 13 690V kW 18	Rated operational power AC-1 (T≤40°C)			
Soov kW 13 690V kW 18		230V	kW	6
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series S24V		400V	kW	10
Section Sec		500V	kW	13
		690V	kW	18
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
T5V A 4 110V A 3 220V A -		≤24V	Α	9
110V A 3 220V A -			Α	8
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series \leq 24V A 12 48V A 11 75V A 7 110V A 6 220V A -			Α	4
EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V		110V	Α	3
		220V	Α	
	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Α	12
			Α	11
EC max current le in DC1 with L/R \leq 1ms with 3 poles in series \leq 24V A 14 48V A 14 75V A 8			Α	7
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $ \leq 24V \qquad A \qquad 14 \\ 48V \qquad A \qquad 14 \\ 75V \qquad A \qquad 8 $		110V	Α	6
≤24V A 14 48V A 14 75V A 8		220V	Α	_
48V A 14 75V A 8	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
75V A 8			Α	14
			Α	14
110V A 8			Α	
		110V	Α	8





	220V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	A	_
	110V	A	_
			_
IFO was a summable in DO2 DO5 with 1/D < 45 are with 4 males in a mine	220V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	6
	48V	Α	5
	75V	Α	2
	110V	Α	1
	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	7
	48V	Α	7
	75V	Α	4
	110V	A	3
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 v	А	
TEO THAN CUITETING III DOD-DOD WILLT LIN = TOTAS WILL 3 POLES III SELIES	~0.4N.I	۸	0
	≤24V	A	9
	48V	Α	9
	75V	Α	5
	110V	Α	4
	220V	Α	0,5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	Α	-
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
T TOLOGUETT TUDO	gG (IEC)	Α	16
Malian and site (DMC calca)	aM (IEC)	A A	6
Making capacity (RMS value)		A	92
Breaking capacity at voltage		_	
	440V	Α	72
	500V	Α	72
	690V	Α	72
Resistance per pole (average value)		$m\Omega$	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
J	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
Tieldening teneng for cell tenengel	max	lbin	9
Tightening torque for coil terminal	_		
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9



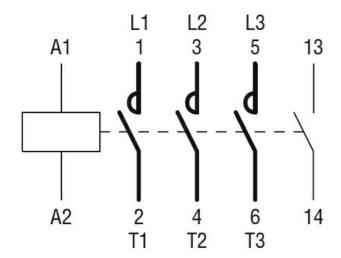
		max	Ibin	9
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	•			
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	-	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	•	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	า		
	, ,	min	mm²	1.5
		max	mm²	2.5
Dawar tarminal proto	ction according to IFC/FN 60520			IP20 when
Power terminal protec	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	180
Conductor section				
	AWG/kcmil conductor section			
	A CAROLINI CONGRESSION	max		12
Auxiliary contact char	acteristics	THOX		
Thermal current Ith	400000		Α	10
IEC/EN 60947-5-1 de	esignation		,,	A600 - Q600
Operating current AC				71000 0000
operating current 7.0		230V	Α	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12	300 V		1.7
Operating current bo	112	110V	Α	2.9
Operating current DC	12	1100		2.9
Operating current DC	13	24\/	٨	2.0
		24V 48V	A A	2.9 1.4
		48 V 60 V	A	1.4
		110V	A	0.6
		110V 125V	A	0.55
		125V 220V	A	0.3
		600V	A	0.3
Operations		0007	A	U. I
Mechanical life			ovoloc	2000000
			cycles	2000000
Electrical life			cycles	500000
Safety related data	10d according to EN/ICO 40400 4			
renormance level B1	10d according to EN/ISO 13489-1	ا بالدخوص	- ا ا - ا	500000
		rated load	cycles	500000
Mar		mechanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				





Rated AC voltage at 6	OHz		V	460
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up		0/116	7.5
		min max	%Us %Us	75 115
	drop-out	IIIax	/005	115
	diop out	min	%Us	20
		max	%Us	55
AC average coil consu	mption at 20°C			
-	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
	-f COLL: I	holding	VA	3
	of 60Hz coil powered at 60Hz	in-rush	VA	30
		holding	VA VA	4
Dissipation at holding	≤20°C 50Hz	Holding	W	0.95
Max cycles frequency	-20 0 00112		• • • • • • • • • • • • • • • • • • • •	0.00
Mechanical operation			cycles/h	3600
Operating times			,	
Average time for Us co	ontrol			
	in AC			
	Closing NO			
		min	ms	12
	0 : 110	max	ms	21
	Opening NO	min	 0	0
		min max	ms ms	9 18
	Closing NC	Παλ	1115	10
	Closing IVO	min	ms	17
		max	ms	26
	Opening NC			
		min	ms	7
		max	ms	17
	in DC			
	Closing NO			
		min	ms	18
	On an in a NO	max	ms	25
	Opening NO	min	ms	2
		max	ms	3
	Closing NC	max	1113	J
	5.555	min	ms	3
		max	ms	5
	Opening NC			
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA)	for three-phase AC motor		_	
		at 480V	A	4.8
		at 600V	Α	3.9

Violded messbergied morteruses				
Yielded mechanical performan				
for sin	gle-phase AC motor	440/400		2.2
		110/120V	HP	0.3
		230V	HP	1
for three	ee-phase AC motor			
		200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
		575/600V	HP	3
General USE				
Conta	ctor			
Coma	0.0.	AC current	Α	16
Short-circuit protection fuse, 6	001/	/ to darroin	- , ,	10
•				
High fa	auit	Chart size it access	I. A	100
		Short circuit current	kΑ	100
		Fuse rating	Α	30
		Fuse class		J
Standa	ard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxiliary conta	acts according to UL			A600 - Q600
Ambient conditions				
Temperature				
-	ting temperature			
- 1	9 11 11 11 1	min	°C	-50
		max	°C	+70
Storac	ge temperature	· · · · · · · · · · · · · · · · · · ·		
Otorag	ge temperature	min	°C	-60
			°C	+80
Manager La		max		
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
(0.33") (0.38") (0.38") (0.38") (0.38") (1.37")	(2.24") (2.87.2) (2.88.3)	44 (1.73") (1.73") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37")	(2.28") 5.	57 .24") RF9 -7.6 (0.30
8.5 (0.33°) Wiring diagrams		(1.73")		89.2 (3.51") (0.30



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 classification

ETIM 8.0

EC000066 -Power contactor, AC switching