



Product designation Power contactor Product type designation **BG06** Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN ٧ 690 k۷ Rated impulse withstand voltage Uimp 6 Operational frequency Н 25 min Hz 400 max IEC Conventional free air thermal current Ith 16 Α Operational current le AC-1 (=40°C) Α 16 AC-3 (=440V =55°C) Α 6 AC-4 (400V) Α 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 18 IEC max current le in DC1 with L/R = 1ms with 1 poles in series =24V Α 9 48V 8 75V Α 4 110V Α 3 220V Α IEC max current le in DC1 with L/R = 1ms with 2 poles in series =24V Α 12 48V 11 75V Α 7 110V Α 6 220V IEC max current le in DC1 with L/R = 1ms with 3 poles in series =24V Α 14 48V Α 14 75V Α 8 110V Α 8 220V 1

IEC max current le in DC1 with L/R = 1ms with 4 poles in series





Ith W 2.6 AC3 W 0.36				
T5V		=24V	Α	_
110V A -			Α	_
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series				_
				_
= 244		220V	Α	_
ABV	IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
T5V				
110V				
1				
EC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series				1
Section Sect	150 vi i B00 B05 vi i i i i i i i i i i i i i i i i i i	2200	A	_
48V	IEC max current le in DC3-DC5 with $L/R = 15$ ms with 2 poles in series	0.417		-
T5V				
110V				
Making capacity (RMS value) Breaking capacity of value (average value) Bright (average				
EEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series				
24V	IFC may autrent to in DC2 DC5 with L/D. 15mg with 2 pales in series	2200	A	_
A 8V	TEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series	241/	۸	0
100				
110V				
EC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series				
EC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series				
Short-time allowable current for 10s (IEC/EN60947-1)	IEC may current to in DC2 DC5 with L/P = 15ms with 4 poles in series	220 V		0,5
A 8V	TEC max current le in DC5-DC5 with L/R = 15ms with 4 poles in series	-24\/	۸	
T5V				-
110V				_
Short-time allowable current for 10s (IEC/EN60947-1)				_
Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse gG (IEC) A 16 aM (IEC) A 6 A 96 Making capacity (RMS value) A 92 92 Breaking capacity at voltage 440V A 72 500V A 72 690V A 72 72 690V A 72 Resistance per pole (average value) m? 10 10 Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.36 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9				
Protection fuse gG (IEC)	Short-time allowable current for 10s (IEC/EN60947-1)			96
gG (IEC)	·			
Making capacity (RMS value)		aG (IEC)	Α	16
Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 72 500V A 72 690V A 72 72 Resistance per pole (average value) m? 10 Power dissipation per pole (average value) lth W 2.6 2.6 AC3 W 0.36 0.36 Tightening torque for terminals min Nm 0.8 0.8 max Ibin 9 max Nm 1 9 Tightening torque for coil terminal min Nm 0.8 0.8 max Nm 1 1 1 min Ibin 9 9 max Ibin 9 9				
Breaking capacity at voltage	Making capacity (RMS value)	(-)		
440				
Soov A 72 February Fe		440V	Α	72
Resistance per pole (average value) m? 10				
Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.36 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Nm 0.8 max Nm 1 min Ibin 9 max Ibin			Α	
Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.36 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 10 max Ibin 10 max Ibin 10 max	Resistance per pole (average value)		m?	10
Ith W 2.6 AC3 W 0.36	Power dissipation per pole (average value)			
AC3 W 0.36		lth	W	2.6
Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 max Ibin 9				
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 max Ibin 9 max Ibin 9	Tightening torque for terminals			
max Nm 1 min Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		min	Nm	0.8
max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		max		
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		min	Ibin	9
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		max	Ibin	9
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9	Tightening torque for coil terminal			
min Ibin 9 max Ibin 9		min	Nm	0.8
max Ibin 9		max	Nm	1
		min	Ibin	9
Max number of wires simultaneously connectable Nr. 2		max	<u>lbi</u> n	
	Max number of wires simultaneously connectable		Nr.	2



Conductor section	AMO (17			
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		12
	-	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	Hax		2.0
	_	min	mm²	1.5
	ĺ	max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
	l	max	mm²	2.5
	ction according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		mal		Vertical plan
	allowa	able		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	180
Conductor section	AWG/kcmil conductor section			
		may		12
Auxiliary contact char		max		12
Thermal current Ith	actoristics		Α	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	•			7.000 4000
- p		30V	Α	3
		VOC	Α	1.9
	50	VOC	Α	1.4
Operating current DC	12			
	1	10V	Α	2.9
Operating current DC	13			
	:	24V	Α	2.9
	•	48V	Α	1.4
		30V	Α	1.2
		10V	Α	0.6
		25V	Α	0.55
		20V	A	0.3
Oneration	6	V00	Α	0.1
Operations Machanian Life				0000000
Mechanical life			cycles	2000000
Electrical life Safety related data			cycles	500000
	10d according to EN/ISO 13489-1			
r enormance level B1	rated I	004	ovoloo	500000
	mechanical I		cycles cycles	2000000
Mirror contate accord	ing to IEC/EN 609474-4-1	Jau	Cycles	yes
EMC compatibility	ing to IEO/EN 0007/7 7-1			yes
AC coil operating				y C G
Rated AC voltage at 6	60Hz		V	120
AC operating voltage			•	.20
, . o operating voitage				

of 60Hz coil powered at 60Hz



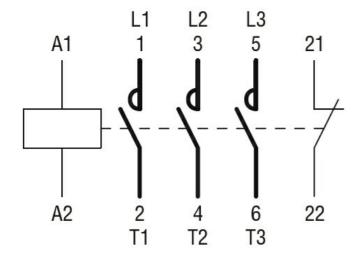


		adala			
		pick-up		0/11-	75
			min	%Us	75 445
		dana avit	max	%Us	115
		drop-out		0/11-	00
			min	%Us	20
AO			max	%Us	55
AC average coil consu					
	of 50/60Hz coil power	red at 50HZ	مام س ما	١/٨	20
			in-rush	VA	30
	-f 50/001		holding	VA	4
	of 50/60Hz coil power	red at 60HZ	in much	١./٨	0.5
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered	at 60Hz			0.0
			in-rush	VA	30
District Control	0000 5011		holding	VA	4
Dissipation at holding	=20°C 50Hz			W	0.95
Max cycles frequency					2222
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	_		
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC	_		
			min	ms	17
			max	ms	26
		Opening NC			_
			min	ms	7
			max	ms	17
	in DC	0			
		Closing NO			4.0
			min	ms	18
		O and NO	max	ms	25
		Opening NO			0
			min	ms	2
		Clasic = NC	max	ms	3
		Closing NC	•		2
			min	ms	3
		On aning NO	max	ms	5
		Opening NC	•		44
			min	ms	11
III to obnicel dete			max	ms	17
UL technical data	for three share AO	otor			
ruii-ioad current (FLA)) for three-phase AC mo	JIUÍ	-1.40014	Λ	4.0
			at 480V	A	4.8
77.11	,		at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase AC r	notor			
			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
General USE				
	Contactor			
		AC current	Α	16
Short-circuit protect	tion fuse, 600V			
	High fault			
	•	Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of au	uxiliary contacts according to UL			A600 - Q600
Ambient conditions	3			
Temperature				
•	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
	ŭ ,	min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				
**	14	(** A		
4.4 (0.17") (0	1.4 1.7") 8.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	44 (1.73") (1.45") (1.37") (0.12")	(2.28")	RF9 7.6 (0.30")
8.5 (0.33")		(1.73")	-	89.2 (0.30")
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

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching