



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		Α	16
Operational current le			
	AC-1 (≤40°C)	Α	160
	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	Α	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	Α	11
	75V	Α	7
	110V	Α	6
	220V	Α	_
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	Α	1

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



	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	2201	- , ,	
120 max current le in 200-200 with 2/10 13 with 1 poles in series	<241/	۸	C
	≤24V	A	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	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	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	2201		
ILO max current le in DC3-DC3 with L/1\(\frac{1}{2}\) 13m3 with 4 poles in series	<24)/	۸	
	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	Α	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	16
	aM (IEC)	Α	6
Making capacity (RMS value)	aivi (ILO)		
		A	92
Breaking capacity at voltage			70
	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
	AC3	W	0.36
Tightening torque for terminals	7,00	• • • • • • • • • • • • • • • • • • • •	0.00
rightening torque for terminals	min	Nlm	Λ 8
	min	Nm Nas	0.8
	max	Nm	1
	min	lbin	0.59
	max	lbin	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	Παλ		2
wax number of wifes simultaneously confidentable		nr.	4



ENERGY AND AUTOMATION

Conductor section			
Flexible w/o lug conductor section			
Plexible w/o lug colludctor section	min	mm²	0.75
	max	mm²	2.5
Flexible c/w lug conductor section	max		2.0
Tioxible of windy conductor section	min	mm²	1.5
	max	mm²	2.5
Flexible with insulated spade lug conductor section			
Trovide Militariated opage rag conductor coolien	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when wired
Mechanical features			ii 20 Wilon Wilou
Operating position			
	normal		Vertical plan
	wable		±30°
			Screw / DIN rail
Fixing			35mm
Weight		g	230
Auxiliary contact characteristics		, j	
Type of contact			1 NO
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
3	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
3	110V	Α	2.9
Operating current DC13			
operating attraction of the state of the sta	24V	Α	2.9
	48V	Α	1.4
	60V	Α	1.2
	110V	Α	0.6
	125V	Α	0.55
	220V	Α	0.3
	600V	Α	0.1
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	d load	cycles	500000
mechanica	al load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			Yes
DC coil operating			
DC rated control voltage		V	24
DC operating voltage			
pick-up			
•	min	%Us	75
	max	%Us	115
drop-out	-		
• • • • • • • • • • • • • • • • • • • •	min	%Us	10



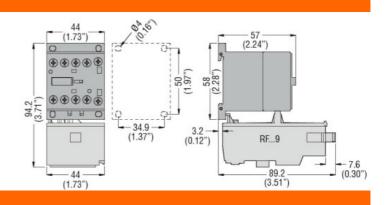
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			max	%Us	25
Average coil consumpt	ion ≤20°C				
			in-rush	W	3.2
Max cycles frequency			holding	W	3.2
Mechanical operation				cycles/h	3600
Operating times				Cy ClCC/11	0000
Average time for Us co	ntrol				
· ·	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			•
			min	ms	9
		Closing NC	max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC			-
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
		On anima NO	max	ms	25
		Opening NO	min	me	2
			max	ms ms	3
		Closing NC	Παλ	1113	3
		5.55g 5	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 m	otor			4.0
			at 480V at 600V	A A	4.8 3.9
Yielded mechanical per	formance		at 600 v	A	3.9
nolucu mediambai per	for single-phase AC	motor			
	ioi onigio priado AO		110/120V	HP	0.3
			230V	HP	1
	for three-phase AC n	notor			
			200/208V	HP	1.5
			220/230V	HP	2
			460/480V	HP	3
0			575/600V	HP	3
General USE	Operators				
	Contactor		AC 011mm0 == 1	۸	16
Short-circuit protection	fuse 600\/		AC current	A	16
Short-circuit protection	High fault				
	i ligit tault		Short circuit current	kA	100
			Fuse rating	A	30



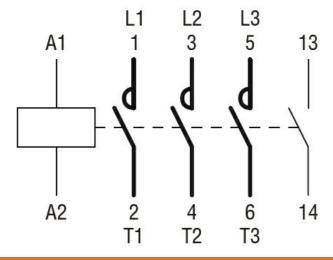
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	Α	30
Contact rating of auxiliary contacts according to UL			A600 - Q600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	+70
Storage temperature			
	min	°C	-60
	max	°C	+80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

— 57 — (2.24") 58 (2.28") - 34.9 (1.37") (0.38") 8.5_ (0.33") 8.5 (0.33")



Wiring diagrams

Dimensions



Certifications and 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





Stycznik 3 polowy, 6A w AC3, wbudowany zestyk 1NO, 24VDC

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching