electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 60VDC, 1NC AUXILIARY CONTACT

ENERGY AND AUTOMATION



Product designation Product type designation			Power contactor 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	16
	AC-1 (≤55°C)	Α	14
	AC-1 (≤70°C)	Α	12
	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



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	220V	Α	1
IFC many asymmetric in DC4 with L/D < 4 man with 4 males in agriculture	220 V	A	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	40.4V	۸	
	≤24V	A	_
	48V	A	_
	75V	A	_
	110V	A	_
150	220V	Α	
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	Α	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			
	≤24V	Α	_
	48V	Α	_
	75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)	2231	A	96
Protection fuse			
1 Total Culott Tuda	aG (IEC)	Α	16
	gG (IEC) aM (IEC)	A	6
Making capacity (RMS value)	aivi (IEC)	A	92
		A	92
Breaking capacity at voltage	4.4017	۸	70
	440V	A	72 72
	500V	A	72
Desistance records (surrect at a)	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	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	Ibin	9



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nax min nax min	mn mn	n² n²	12 0.75 2.5
min nax	mn mn	n²	0.75
min nax	mn mn	n²	0.75
min nax	mn mn	n²	0.75
nax	mn	n²	
nax	mn	n²	
			2.5
min	mn	n²	
nın	mn	n∸	4.5
			1.5
nax	mn	11-	2.5
min	mn	m ²	1.5
min	mn		2.5
nax	11111	11	IP20 when
			properly wired
			proporty willou
nal			Vertical plan
ble			±30°
			Screw / DIN rail
			35mm
	g	ı	220
nax			12
	Α	١	10
			A600 - Q600
0V	٨		
	А	١	3
0V			1.9
	Α	`	
0V 0V	A A	١	1.9 1.4
0V	A A	١	1.9
0V 0V 0V	A A	\ \ \	1.9 1.4 2.9
0V 0V 0V 4V	A A A	\ \ \	1.9 1.4 2.9 2.9
0V 0V 0V 4V 8V	A A A	\ \ \	1.9 1.4 2.9 2.9 1.4
0V 0V 0V 4V 8V 0V	A A A A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.9 1.4 2.9 2.9 1.4 1.2
0V 0V 0V 4V 8V 0V 0V	A A A A A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.9 1.4 2.9 2.9 1.4 1.2 0.6
0V 0V 0V 4V 8V 0V 0V 5V	A A A A A A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
0V 0V 0V 4V 8V 0V 0V 5V 0V	A A A A A A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
0V 0V 0V 4V 8V 0V 0V 5V	A A A A A A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
0V 0V 4V 8V 0V 0V 5V 0V	A A A A A A A		1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
0V 0V 0V 4V 8V 0V 0V 5V 0V 0V	A A A A A A A Cycl	N. N	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
0V 0V 0V 4V 8V 0V 0V 5V 0V 0V	A A A A A A A Cycl	N. N	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
0V 0V 0V 4V 8V 0V 0V 5V 0V 0V	A A A A A A A Cycl	N. N	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
0V 0V 4V 8V 0V 0V 5V 0V	A A A A A Cycl	A A A A A A A A A A A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
0V 0V 4V 8V 0V 0V 5V 0V	A A A A A Cycl	les les	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
0V 0V 4V 8V 0V 0V 5V 0V	A A A A A Cycl	les les	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
0V 0V 4V 8V 0V 0V 5V 0V	A A A A A Cycl	les les	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
0\ 0\ 0\ 4\ 8\ 0\ 5\	V V V V V V V V V V V V V V V V V V V	V A V A V A V A V A V A V A V A	V A V A V A V A V A V A V A V A V A V A



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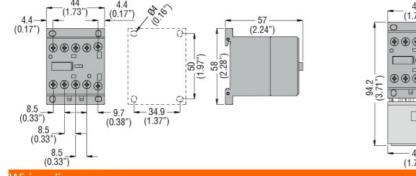
DC rated control voltage	16			V	60
DC operating voltage	,-			<u> </u>	
, ,	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
Maria de Company			holding	W	3.2
Max cycles frequency				l/-	2000
Mechanical operation				cycles/h	3600
Operating times	entrol				
Average time for Us co	in AC				
	III AC	Closing NO			
		Closing NO	min	ms	12
			max	ms	21
		Opening NO	max	5	<u> </u>
		-	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC	01 1 110			
		Closing NO	i		4.0
			min	ms ms	18 25
		Opening NO	max	ms	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC	max	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	notor			
			at 480V	A	4.8
	,		at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase AC	motor	440/4007	LID.	0.0
			110/120V	HP up	0.3
	for three phase AO	motor	230V	HP	1
	for three-phase AC	HIOLOI	200/208V	HP	1.5
			200/208V 220/230V	HP	2
			460/480V	HP	3
			575/600V	HP	3
			3.0,000 V	• • • •	- -

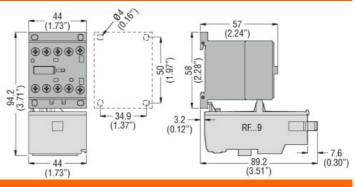


electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 60VDC, 1NC **AUXILIARY CONTACT**

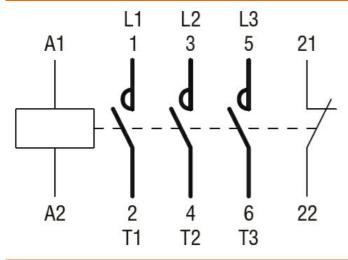
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	16
Short-circuit protection	n 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 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	on			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17")	57 (2.24")	(1.73") (1.73") (1.73") (1.73") (1.73") (1.73") (1.73")	(2	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



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AUXILIARY CONTACT

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IEC/EN 60947-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

CCC
cULus

ETIM classification

EAC

ETIM 8.0

Certificates

EC000066 -Power contactor, AC switching