11BG0031A024

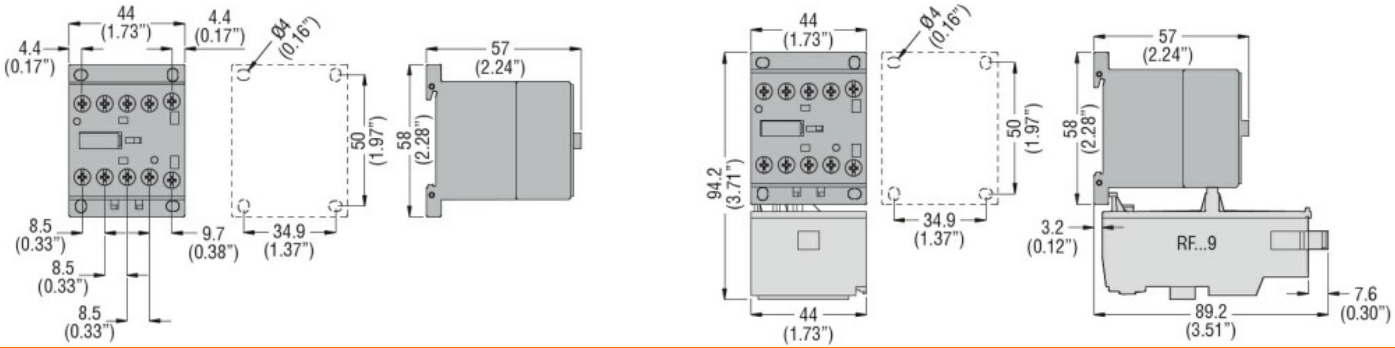
Ministycznik pomocniczy, Ith 10A, 3NO+1NC, 24VAC 50/60Hz

Product designation			auxiliary contactor
Product type designation			BG00
Contact characteristics			
Number of poles		nr.	4
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		A	10
Operational current Ie			
	AC-1 (≤40°C)	A	160
Short-time allowable current for 10s (IEC/EN60947-1)		A	0
Protection fuse			
	gG (IEC)	A	16
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.6
	max	Ibin	0.7
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibft	0.59
	max	Ibft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			
Flexible w/o lug conductor section			
	min	mm²	0.8
	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			
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20
Mechanical features			
Operating position			
	normal		vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	200
Auxiliary contact characteristics			

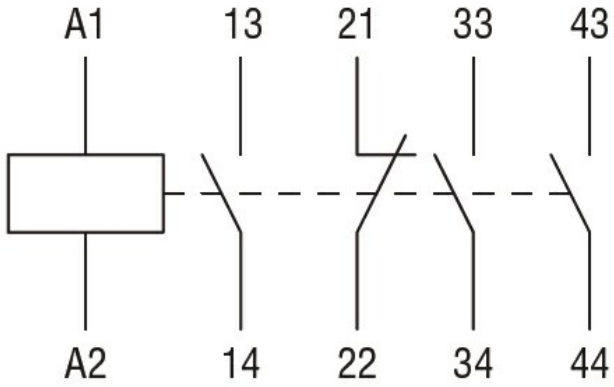
Type of contact				3 NO + 1 NC
Thermal current Ith			A	10
IEC/EN 60947-5-1 designation				A600 - Q600
Operating current AC15				
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC12				
		110V	A	2.9
Operating current DC13				
		24V	A	2.9
		48V	A	1.4
		60V	A	1.2
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
		mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1				true
EMC compatibility				true
AC coil operating				
Rated AC voltage at 50/60Hz, 60Hz				
		min	V	12
		max	V	575
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
AC operating voltage 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
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		holding	VA	4

Dissipation at holding ≤20°C 50Hz			W	0.9
DC coil operating				
DC rated control voltage				
		min	V	6
		max	V	250
Average coil consumption ≤20°C				
		in-rush	W	3.2
		holding	W	3.2
Max cycles frequency				
Mechanical operations			cycles/h	3600
Operating times				
Average time for Us control				
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				
	Closing NO			
		min	ms	18
		max	ms	25
	Opening NO			
		min	ms	2
		max	ms	3
	Closing NC			
		min	ms	3
		max	ms	5
	Opening NC			
		min	ms	11
		max	ms	17
UL technical data				
Contact rating of auxiliary contacts according to UL				A600 - Q600
General USE				
Contactor				
		AC current	A	160
Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-40
		max	°C	60
Storage temperature				
		min	°C	-55
		max	°C	70
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1
CSA C22.2 n° 60947-5-1
IEC/EN 60947-1
IEC/EN 60947-5-1
UL 60947-1
UL 60947-5-1

Certificates

cULus
EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching