



Product designation

Product type designation

Auxiliary
contactor
BGF00

Contact characteristics

Number of poles	Nr.	4
Rated insulation voltage U_i IEC/EN	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Operational frequency	min	Hz 25
	max	Hz 400
IEC Conventional free air thermal current I_{th}	A	10
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 9
	max	Ibin 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	mm ² 0.75
	max	mm ² 2.5
Flexible c/w lug conductor section	min	mm ² 1.5
	max	mm ² 2.5
Flexible with insulated spade lug conductor section	min	mm ² 1.5
	max	mm ² 2.5

Power terminal protection according to IEC/EN 60529

IP20 when
properly wired

Mechanical features

Operating position

normal
allowable

Vertical plan
±30°

Fixing

Screw / DIN rail
35mm

Weight	g		222
Auxiliary contact characteristics			
Thermal current I _{th}	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	1.1
	125V	A	0.3
	220V	A	0.1
	600V	A	0.6
Operations			
Mechanical life	cycles		20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000
EMC compatibility	yes		
DC coil operating			
DC rated control voltage	V		60
DC operating voltage			
pick-up	min	%U _s	75
	max	%U _s	115
drop-out	min	%U _s	10
	max	%U _s	25
Average coil consumption ≤20°C	in-rush	W	3.2
	holding	W	3.2
Max cycles frequency			
Mechanical operation	cycles/h		3600
Operating times			
Average time for U _s 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

Rated operational voltage AC (UL)	V	600
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

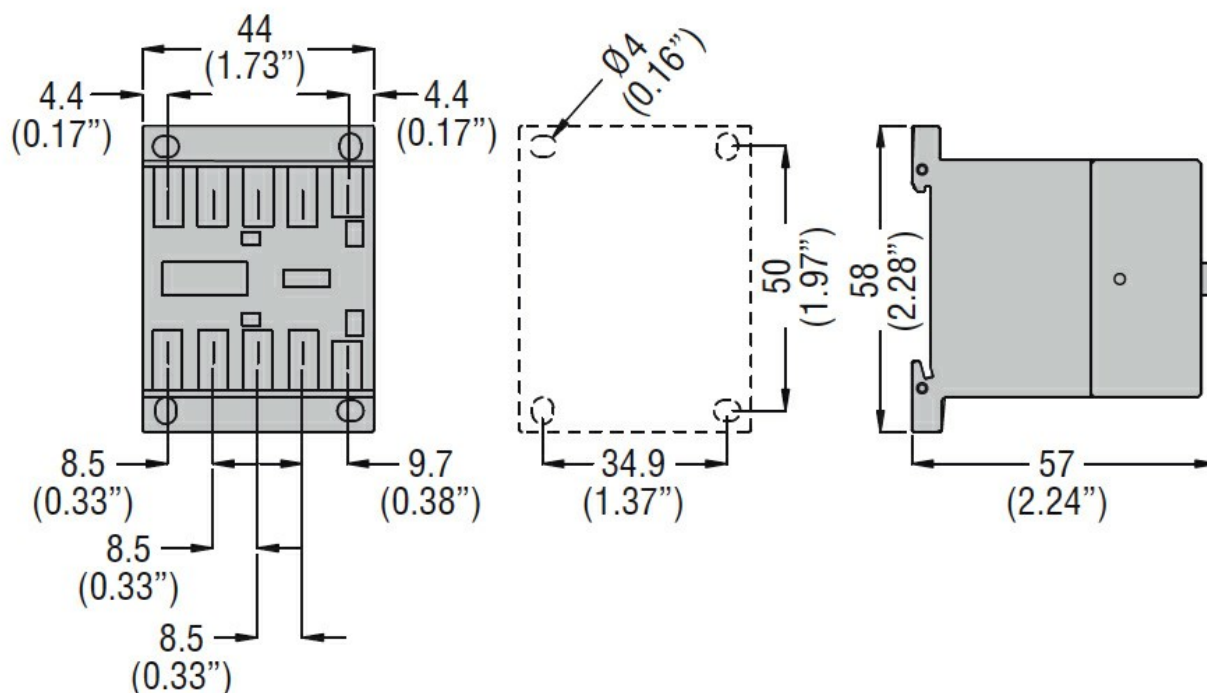
m	3000
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Resistance & Protection

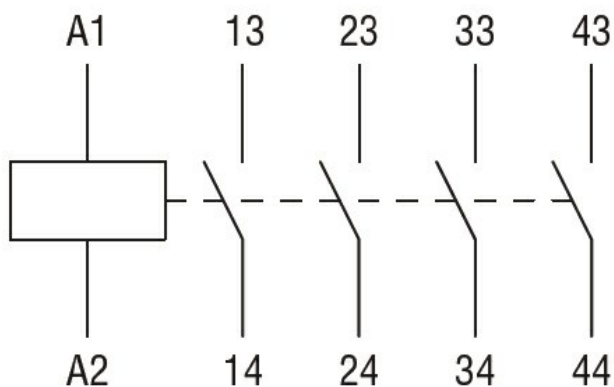
Pollution degree

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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay