



Product designation

Product type designation

Auxiliary
contactor
BG00

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
--	---	----

Protection fuse

gG (IEC)	A	16
----------	---	----

Tightening torque for terminals

min	Nm	0.8
max	Nm	1
min	lbin	9
max	lbin	9

Tightening torque for coil terminal

min	Nm	0.8
max	Nm	1
min	lbin	9
max	lbin	9

Max number of wires simultaneously connectable	Nr.	2
--	-----	---

Conductor section

AWG/Kcmil

max	12
-----	----

Flexible w/o lug conductor section

min	mm ²	0.8
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
---	------

Mechanical features

Operating position

normal allowable	Vertical plan ±30°
---------------------	-----------------------

Fixing	Screw / DIN rail 35mm
--------	--------------------------

Weight	g	200
--------	---	-----

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 1.2
	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
EMC compatibility	YES	
AC coil operating		
Rated AC voltage at 50/60Hz	V	400
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 average coil consumption 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
Max cycles frequency		
Mechanical operation	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

Rated operational voltage AC (UL) V 600

General USE

Contactor

AC current A 10

Contact rating of auxiliary contacts according to UL A600 - Q600

Ambient conditions

Temperature

Operating temperature

min °C -50
max °C +70

Storage temperature

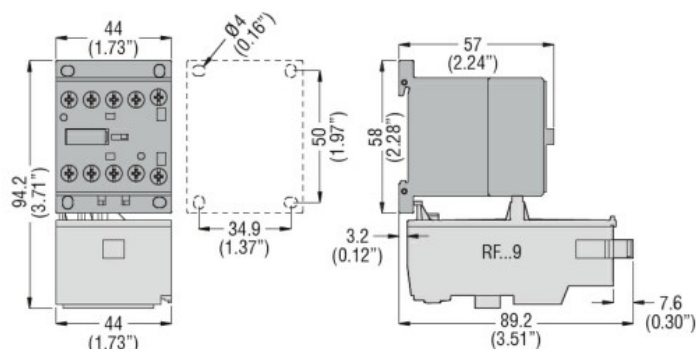
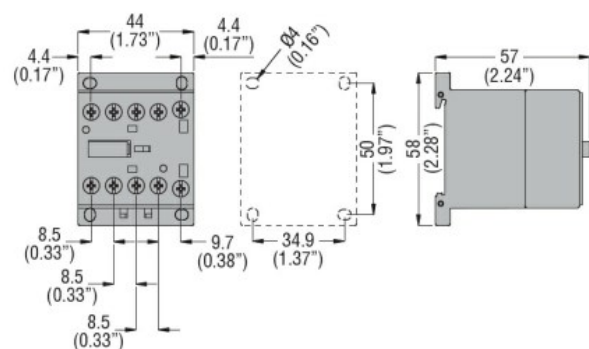
min °C -60
max °C +80

Max altitude m 3000

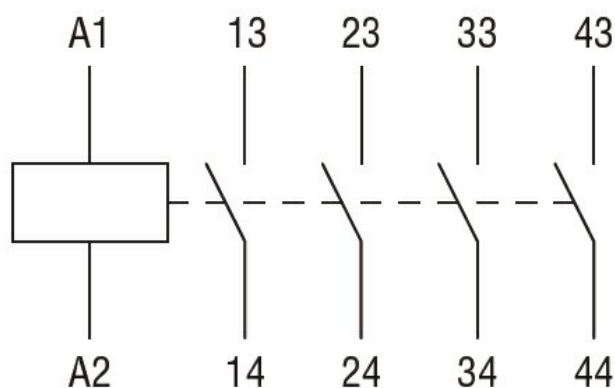
Resistance & Protection

Pollution degree 3

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 classification

ETIM 8.0

EC000196 -
Contactor relay