



Auxiliary
contactor
BG00

Product designation

Product type designation

Contact characteristics

Number of poles	nr.	4
Rated insulation voltage U_i	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Operating frequency		
	Operational frequency min	Hz 25
	Operational frequency max	Hz 400
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	lbft 0.59
	max	lbft 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	nr.	2

Conductor section

AWG

	min	18
	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 wired

Auxiliary contact characteristics

Type of contact		3 NO + 1 NC
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
		110V	A	Screw / DIN rail 35mm
		125V	A	0.3
		220V	A	0.1
		600V	A	0.6
Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-40
		max	°C	60
Storage temperature				
		min	°C	-55
		max	°C	70
Max altitude			m	3000
Operating position				
			normal allowable	Vertical plan ±30°
Mounting				Screw / DIN rail 35mm
Weight			g	0.177
Operations				
Mechanical life			Cycles	20000000
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
			mechanical load	Cicli
EMC compatibility				20000000
				yes
AC coil operating				
AC operating voltage				
of 50/60Hz coil powered at 50Hz				
pick-up				
		min	%Us	0.75
		max	%Us	1.15
drop-out				
		min	%Us	0.2
		max	%Us	0.55
of 50/60Hz coil powered at 60Hz				
pick-up				
		min	%Us	0.8
		max	%Us	1.15
drop-out				
		min	%Us	0.2
		max	%Us	0.55
of 60Hz coil powered at 60Hz				
pick-up				
		min	%Us	0.75
		max	%Us	1.15
drop-out				

	min	%Us	0.2
	max	%Us	0.55
AC operating voltage			
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 $\leq 20^{\circ}\text{C}$ 50Hz		W	0.95

DC coil operating

DC operating voltage

Average coil consumption $\leq 20^{\circ}\text{C}$

in-rush	W	3.2
holding	W	3.2

Max cycles frequency

Mechanical operations 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

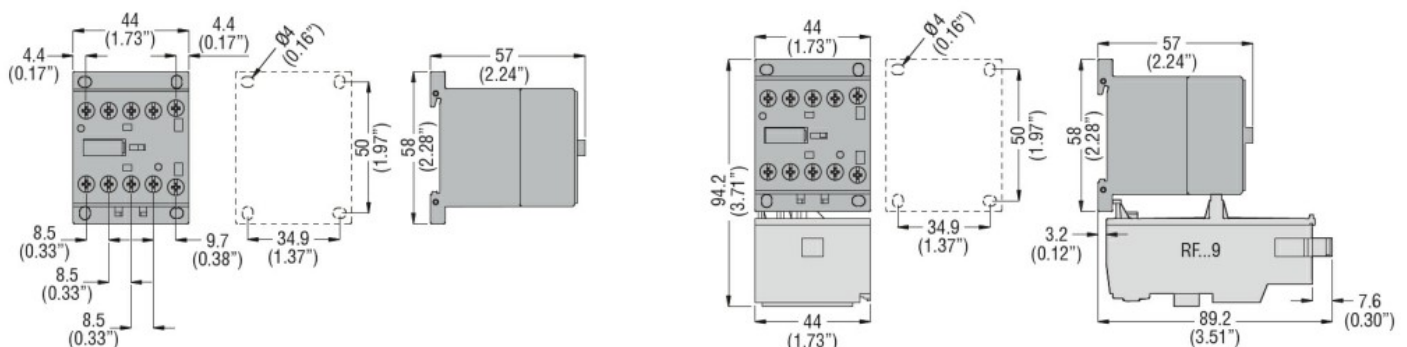
UL technical data

Contact rating of auxiliary contacts according to UL A600 - Q600

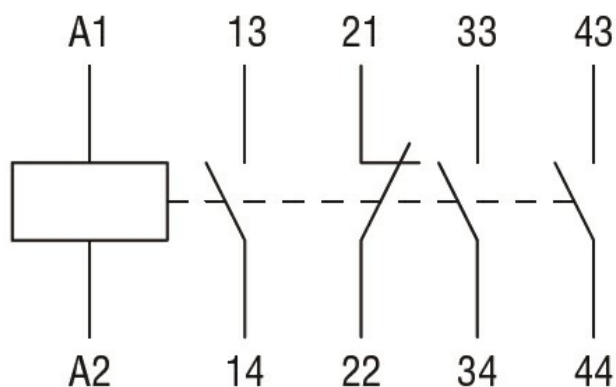
Other features

Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

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

Compliance

CCC

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching