



Auxiliary
contactor
BG00

Product designation

Product type designation

Contact characteristics

Number of poles	nr.	4
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Rated insulation voltage Ui	V	690
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Operating frequency	Operational frequency min	Hz	25
	Operational frequency max	Hz	400

Conventional free air thermal current Ith	A	10
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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	0.59
	max	lbft	0.74

max number of wires simultaneously connectable	nr.	2
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Conductor section	min	18
	max	12

AWG

Flexible w/o lug conductor section

Flexible c/w lug conductor section

Flexible with insulated spade lug conductor section

Power terminal protection according to IEC/EN 60529	IP20
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Ambient conditions

Temperature

Operating temperature

Storage temperature

Max altitude	m	3,000
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Operating position		
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	normal allowable		Vertical plan ±30°
Mounting			Screw / DIN rail 35mm
Weight		g	0.16
Operations			
Mechanical life		Cycles	20,000,000
Safety related data			
Mirror contacts according to IEC/EN 609474-4-1			Yes
EMC compatibility			Yes
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
of 60Hz coil powered at 60Hz			
pick-up	min	%Us	75
	max	%Us	115
drop-out	min	%Us	20
	max	%Us	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 ≤20°C 50Hz		W	0.95
DC coil operating			
DC rated control voltage			
	min	V	6
	max	V	250
DC operating voltage			
pick-up	min	%Us	75

drop-out	max	%Us	115
	min	%Us	10
	max	%Us	20

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

in-rush	W	3.2
holding	W	3.2

Max cycles frequency

Mechanical operations Cycles/h 3,600

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

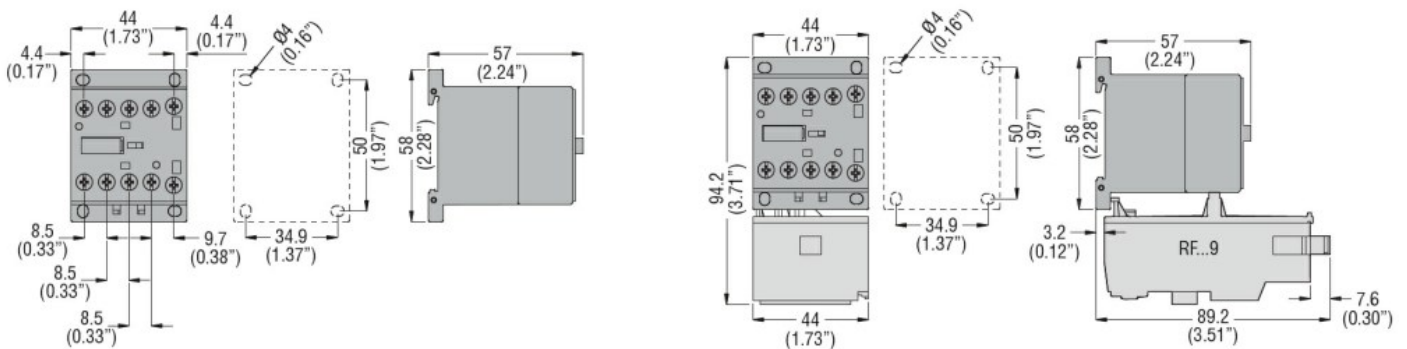
Closing NC

min	ms	3
max	ms	5

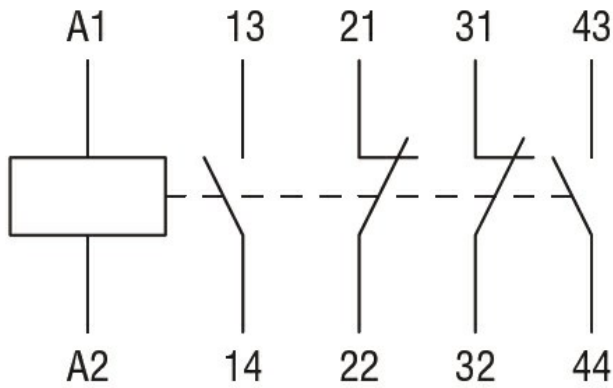
Opening NC

min	ms	11
max	ms	17

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