



Product designation	5				Auxiliary
Contact characteristics Number of poles Nr. 4 Rated insulation voltage Uir IEC/EN V 690 Rated insulation voltage Uirip kV 6 Operational frequency min Hz 2 25 max Hz 400 IEC Conventional free air thermal current lth A 10 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section min mm 2 min 1bin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section min mm 2 min mm 2 min 12 Flexible w/o lug conductor section min mm 2 min mm 2 min mm 2 min 15 Flexible c/w lug conductor section min mm 2 min min mm 2 min mm 2 min mm 2 min mm 2 min min mm 2 min min mm 2 min min mm 2 min mm 2 min mm 2 min min mm 2 min mm 2 min	Product designation				-
Number of poles	Product type designat	tion			BG00
Rated insulation voltage Ui IEC/EN	Contact characteristic	s			
Rated impulse withstand voltage Uimp	Number of poles			Nr.	4
Min					
Min		·		kV	6
EC Conventional free air thermal current Ith	Operational frequency	/			
EC Conventional free air thermal current Ith Protection fuse gG (IEC)			min		
Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 min Nm 0.8 max bin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² 0.75 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 min mm² 1.5 Mechanical features Operating position Fixing Vertical plan ±30° Screw / DIN rail Screw / DIN rail Screw / DIN rail Screw / DIN rail			max		
Tightening torque for terminals		e air thermal current Ith		Α	10
Tightening torque for terminals	Protection fuse				
Min			gG (IEC)	A	16
Max Nm 1 1 9 1 1 1 1 1 1 1	Tightening torque for t	terminals	_		
Max 10 10 10 10 10 10 10 1					
Tightening torque for coil terminal					
Tightening torque for coil terminal					
Min Nm 0.8 max Nm 1 min lbin 9 max lbin l	T'. I (max	nidi	9
Max number of wires simultaneously connectable Max number of wires simultaneously connectable Nr. 2	rightening torque for o	coil terminal		Nima	0.0
Max number of wires simultaneously connectable Mr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² mm² 2.5 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² mm² 1.5 max mm² 2.5 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² mm² 1.5 max mm² 2.5 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features normal allowable 430° Fixing Screw / DIN rail 35mm					
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² mm² mm² mm² mm² mm² mm² mm² mm					
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² 2.5 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² mm² mm² 2.5 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² mm² 1.5 max mm² 2.5 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm					
AWG/Kcmil	May number of wires	eimultaneously connectable	Пах		
AWG/Kcmil max 12		Simulaneously connectable		INI.	
Max	Conductor Section	AWG/Kemil			
Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² nm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² nm² 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 Mechanical features Operating position normal allowable ±30° Screw / DIN rail 35mm		AWG/Remiii	may		12
Min min mm² 0.75 max mm² 2.5		Flexible w/o lug conductor section	max		12
Fixing 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 2.5 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade 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 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min min mm² 2.5 Flexible with insul		Toxible W/o rag corrected coolien	min	mm²	0.75
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 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal normal allowable ±30° Fixing Fixing					
min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal normal allowable ±30° Fixing Fixing		Flexible c/w lug conductor section			
Fixing max mm² 2.5			min	mm²	1.5
Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Fixing				mm²	
min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		, ,	min	mm²	1.5
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Properly wired properly wired Screw / DIN rail 35mm			max	mm²	2.5
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protection according to IEC/EN 60529				IP20 when
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		ction according to IEC/EN 00329			properly wired
normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					
Fixing allowable ±30° Screw / DIN rail 35mm	Operating position				
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
3511111	Fixina				
Weight g 220					
	Weight			g	220



ENERGY AND AUTOMATION

Conductor section					
	AWG/kcmil conduc	ctor section			
A. a. Wang, and a stack all and	at a start a c		max		12
Auxiliary contact characteristics Thermal current Ith	cteristics			۸	10
IEC/EN 60947-5-1 des	rianation			Α	A600 - Q600
Operating current AC1	-				A600 - Q600
Operating current ACT	5		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
operating amount a co	_		110V	Α	2.9
Operating current DC1	3				
operating amount a co			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.2
			110V	Α	0.6
			125V	Α	0.55
			220V	Α	0.3
			600V	Α	0.1
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	od according to EN/I	SO 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474	1-4-1			YES
EMC across at latter.					
EMC compatibility					yes
DC coil operating					
DC coil operating DC rated control voltage	ge			V	yes 24
DC coil operating				V	
DC coil operating DC rated control voltage	ge pick-up				24
DC coil operating DC rated control voltage			min	%Us	24 75
DC coil operating DC rated control voltage	pick-up		min max		24
DC coil operating DC rated control voltage			max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up		max min	%Us %Us %Us	24 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	24 75 115 10 20 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumption	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush holding	%Us %Us %Us %Us W W	24 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	min max in-rush holding min max min max min max min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600

AC current

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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

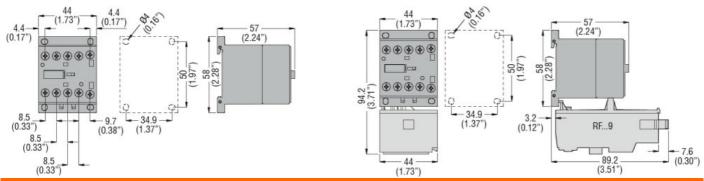
UL technical data

General USE

Contactor

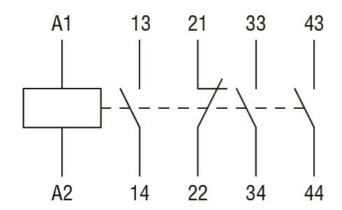
Contact rating of auxi	iliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	tion			
Pollution degree				3

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