



Product type designation 11BGX10 Contact characteristics Intervention Product type designation Intervention Interventin Intervention Intervention Intervention Intervention In	Product designation				Auxiliary contact
Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UITEC/EN V 690 Rated insulation voltage Uimp kV 6 IEC Conventional free air thermal current Ith A 10 Tightening torque for terminals min Nm 0.8 min Ibin 9 min Ibin 9 Tightening torque for coil terminal min Ibin 9 min Ibin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section min min mm? 0.75 max mm? 0.75 Flexible with insulated spade lug conductor section min min min mm? 2.5 Mechanical features on ormal On vertical plane Any Fixing moreal Any Front centre Weight g 2.8 Terminals screw Screw Conductor section mi	-	tion			•
Number of poles Nr. 4 Rated insulation voltage Uin (EC/EN) V 690 Rated insulation voltage Uinp KV 6 EC Conventional free air thermal current Ith A 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min Nm 0.8 max Ibin 9 min Nm 1 Tightening torque for coil terminal min Ibin 9 min Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section min min mm ² 0.75 mm ² 2.5 Flexible w/o lug conductor section min mm ² 0.75 mm ² 2.5 Mechanical features mm ² 0.75 mm ² 2.5 5 Mechanical features mm ² 0.75 mm ² 2.5 5 Operating position normal normal On vertica					TIB C/ TIC
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp KV 6 IEC conventional free air thermal current Ith A 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min Nm 1 Tightening torque for coll terminals min Nm 1 min 9 Tightening torque for coll terminal min Ibin 9 max Nm 1 Max number of wires simultaneously connectable Nr. 2 0 0 75 Conductor section MWG/Kcmil max 12 12 12 Flexible w/o lug conductor section min <mm²< td=""> 0.75 max mm² 2.5 Mechanical features min min mm² 2.5 12 Operating position min mm² 0.75 max mm² 2.5 Mechanical features On vertical plane allowable Any 10 14 <t< td=""><td></td><td></td><td></td><td>Nr</td><td>4</td></t<></mm²<>				Nr	4
Rated impulse withstand voltage Uimp kV 6 IEC Conventional free air thermal current lth A 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min blin 9 Tightening torque for coll terminal min blin 9 9 Tightening torque for coll terminal min blin 9 9 Max number of wires simultaneously connectable Nr. 2 2 Conductor section min min mm² 0.75 Max mm² 0.75 max mm² 0.75 Flexible v/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible v/w lug conductor section min mm² 0.75 max m² 2.5 Mechanical features mormal allowable Any Nr 2.5 5 Mechanical features g 2.8 mormal allowable Any Nr 1.5 Fixing no					
IEC Conventional free air thermal current lth A 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min Nm 1 min bin 9 max Ibin 9 Tightening torque for coil terminal min Ibin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible v/o lug conductor section min mm² 0.75 max mm² 0.75 max mm² 2.5 Flexible v/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible v/w lug conductor section min mm² 0.75 max m² 2.5 Mechanical features Operating position mm² 0.75 max m² 2.5 Veight g 28 Terminals screw Screw Screw Screw Screw Conductor section IEC max m² 1 or 2 x 2.5 Screw Screw Scr					
Tightening torque for terminals min Nm 0.8 max Nm 1 min lbin 9 Tightening torque for coil terminal min lbin 9 max lbin 9 Max number of wires simultaneously connectable Nr. 2 2 2 2 Conductor section Mix max 12 12 12 Flexible w/o lug conductor section min mm² 0.75 2.5 Flexible c/w lug conductor section min mm² 2.5 5 Flexible with insulated spade lug conductor section min mm² 2.5 5 Mechanical features max mm² 2.5 5 5 Operating position normal mm² 0.75 max mm² 2.5 Mechanical features using mm² 0.75 5 5 Operating position normal on vertical plane Any 75 Fixing g 28 5 5 5 Veight g 28 5 5	· · · · · · · · · · · · · · · · · · ·				
min Nm 0.8 max Nm 1 min Ibin 9 Tightening torque for coil terminal min Ibin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 2.5 5 Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 2.5 5 Mechanical features mormal On vertical plane Operating position normal On vertical plane fixing g 28 Terminals screw Screw Screw Conductor section max ma² 10 iEC max mm² 1 or 2 x 2.5 Ausilary contact fieC	-				
max Nm 1 min lbin 9 Tightening torque for coil terminal min lbin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section max 12 Flexible w/o lug conductor section mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 2.5 Flexible c/w lug conductor section min mm² 2.5 Machanical features 0.75 max mm² 2.5 Mechanical features 0.75 max mm² 2.5 Mechanical features 0.75 max mm² 2.5 Mechanical features Ug conductor section min mm² 2.5 Mechanical features Ug conductor section mm² 2.5 Mechanical features Ug conductor section On vertical plane fixing g 2.8 Screw C			min	Nm	0.8
min Ibin 9 Tightening torque for coil terminal min Ibin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Max Nr. 2 Conductor section min mm² 12 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section mm² 0.75 max mm² 2.5 5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features max mm² 2.5 Operating position min mm² 2.5 Fixing mormal allowable Any Any Fixing g 2.8 3 Terminals screw Screw Screw 3 Conductor section max max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics					
max lbin 9 Tightening torque for coil terminal min lbin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Max 12 AWG/Kcmil max 12 Flexible w/o lug conductor section mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position min mm² 2.5 10.75 Fixing normal allowable On vertical plane Any max ma² 2.5 Veight g 2.8 5 5 5 5 Conductor section normal allowable Any 5 5 Mechanical features screw 5 5 5 Operating position g 2.8 5 5 <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
Tightening torque for coll terminal min lbin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Mr. 2 Conductor section max 12 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 0.75 max mm² 2.5 Mechanical features 0 0.75 max mm² 2.5 Operating position mormal allowable Any Any Fixing Front centre mounting Veight g g 28 Screw Screw Screw Conductor section max max 12 12 12 IEC max mm² 1 or 2 x 2.5 XMillary contact characteristics max max max 10					
min lbin 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 c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 2.5 Mechanical features min mm² 0.75 Operating position mormal On vertical plane Aveght g 28 Terminals screw g 28 Conductor section max max 12 IEC max max 12 Terminals screw Screw Screw 2 Conductor section max max 12 IEC max max 12 Terminal screw Screw 2 2 Terminal current lth A 10	Tightening torgue for	coil terminal			
max lbin 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 c/w lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Textual sector Mechanical features 0.75 max mm² 2.5 Operating position min mm² 2.5 Fixing mormal allowable On vertical plane Any Fixing g 28 Terminats screw Screw Screw Conductor section max m12 IEC max 12 IEC max 12 Terminats screw Screw Screw Conductor section max m2 IEC max m2 1 or 2 x 2.5 Muxiliary contact characteristites max			min	Ibin	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 c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 Mechanical features mm² 0.75 max mm² 2.5 Operating position normal On vertical plane Any Front centre mounting Weight g 28 Erminals screw Screw Screw Screw Conductor section max mm² 1 or 2 x 2.5 Muxiliary contact characteristics Type of contact Thermal current lth A 10					
Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position normal allowable Any Front centre mounting Fixing Front centre mounting On vertical plane Meight g 28 Screw Conductor section Max 12 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Type of contact 1 NO+3NC 10	Max number of wires	simultaneously connectable			
AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w 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 Mechanical features 0.75 max mm² 2.5 Mechanical features 0 0 normal 0 0 Fixing g 2.8 1 1 1 1					
max 12 Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position normal 0n vertical plane Any normal On vertical plane Fixing g 28 Terminals screw g 28 Conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics max mm² 1 or 2 x 2.5		AWG/Kcmil			
Flexible w/o lug conductor section min mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 Mechanical features 0.75 max mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position mm² 0.75 max mm² 2.5 Mechanical features 0 on vertical plane allowable Any Fixing refront centre mounting On vertical plane Any Front centre mounting Weight g 28 Terminals screw Screw Screw Conductor section max 12 IEC Screw Screw IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Type of contact 1NO+3NC Thermal current lth A 10 A 10 A			max		12
min mm mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position mm² 2.5 10 10 Fixing 0.75 max mm² 2.5 Mechanical features 00 vertical plane 10 10 Fixing g 28 10 10 10 10		Elexible w/o lug conductor section			
max mm² 2.5 Flexible c/w lug conductor section min mm² 0.75 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position mm² 0.75 max mm² 2.5 Mechanical features 00 vertical plane Any 10 10 Fixing g 28 10 10 10 10 10			min	mm²	0.75
Flexible c/w lug conductor section min mm² 0.75 max max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 max min mm² 2.5 mm² 2.5 Mechanical features 0.75 max Operating position normal allowable Any Fixing 0.75 max mr² 2.5 Mechanical features 0.75 max mr² 2.5 Operating position normal allowable Any Fixing g 2.8 Front centre mounting Weight g 2.8 Screw Conductor section Screw Screw Conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics max max Type of contact 1NO+3NC Thermal current lth A 10					
minmm²0.75 maxminmm²2.5Flexible with insulated spade lug conductor sectionminmm²minmm²0.75 max2.5Mechanical features0yOperating positionnormalOn vertical plane allowableFixingnormalOn vertical plane 		Flexible c/w lug conductor section			
max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 2.5 Mechanical features 0.75 max mm² 2.5 Operating position normal On vertical plane allowable Any Fixing rorn centre mounting Front centre mounting Weight g 28 Screw Conductor section Conductor section AWG/kcmil conductor section Screw Screw IEC max 12 IZ Auxiliary contact characteristics max 10 10		5	min	mm²	0.75
Flexible with insulated spade lug conductor section min mm² 0.75 max mm² 2.5 Mechanical features normal On vertical plane Auxiliary contact characteristics g 28 Terminals screw Screw Screw Conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Thormal MO MO Thermal current lth A 10 10			max	mm²	2.5
minmm20.75 max0.75 mm22.5Mechanical features2.5Operating positionnormal allowableOn vertical plane AnyFixingnormal allowableOn vertical plane AnyFixingg28Terminals screwScrewConductor sectionScrewAWG/kcmil conductor sectionmax12IECmaxmm2Auxiliary contact characteristicsI or 2 x 2.5Auxiliary contact characteristicsINO+3NCThermal current lthA10		Flexible with insulated spade lug conductor section			
Mechanical features Operating position normal allowable On vertical plane allowable Any Fixing Front centre mounting Weight g 28 Terminals screw Screw Conductor section Screw AWG/kcmil conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics INO+3NC Thermal current lth A 10			min	mm²	0.75
Operating position normal allowable On vertical plane allowable Fixing Any Fixing Front centre mounting Weight g 28 Terminals screw Screw Conductor section Screw AWG/kcmil conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Type of contact 1NO+3NC Thermal current lth A 10			max	mm²	2.5
normal allowable On vertical plane Any Fixing Front centre mounting Weight g 28 Terminals screw Screw Conductor section Screw AWG/kcmil conductor section Screw IEC max 12 IEC max 10	Mechanical features				
allowable Any Fixing Front centre mounting Weight g 28 Terminals screw Screw Conductor section Screw AWG/kcmil conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Type of contact 1NO+3NC Thermal current lth A 10	Operating position				
Fixing Front centre mounting Weight g 28 Terminals screw Screw Conductor section AWG/kcmil conductor section			normal		On vertical plane
Fixing mounting Weight g 28 Terminals screw Screw Conductor section Screw AWG/kcmil conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics INO+3NC Type of contact A 10			allowable		Any
Weight g 28 Terminals screw Screw Conductor section MWG/kcmil conductor section AWG/kcmil conductor section max IEC max Max mm² 1 or 2 x 2.5 Auxiliary contact characteristics 1 or 2 x 2.5 Type of contact 1 NO+3NC Thermal current lth A	Fiving				Front centre
Terminals screw Screw Conductor section AWG/kcmil conductor section Max 12 IEC max max 1 or 2 x 2.5 Auxiliary contact characteristics max Type of contact 1NO+3NC Thermal current lth A 10	Fixing				mounting
Conductor section AWG/kcmil conductor section max 12 IEC max mm² Musiliary contact characteristics max mm² Type of contact 1NO+3NC Thermal current lth A 10	Weight			g	28
AWG/kcmil conductor section max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics max m² 1 or 2 x 2.5 Type of contact 1NO+3NC 10	Terminals screw				Screw
max 12 IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics Imm² 1 or 2 x 2.5 Type of contact Imm² 1 or 2 x 2.5 Type of contact Imm² 1 or 2 x 2.5 Thermal current lth A 10	Conductor section				
IEC max mm² 1 or 2 x 2.5 Auxiliary contact characteristics INO+3NC Type of contact 1NO+3NC Thermal current lth A 10		AWG/kcmil conductor section			
maxmm²1 or 2 x 2.5Auxiliary contact characteristics			max		12
Auxiliary contact characteristicsType of contact1NO+3NCThermal current lthA10		IEC			
Type of contact 1NO+3NC Thermal current lth A 10			max	mm²	1 or 2 x 2.5
Thermal current lth A 10	Auxiliary contact chara	acteristics			
	Type of contact				1NO+3NC
IEC/EN 60947-5-1 designation A600 - Q600	Thermal current Ith			A	10
	IEC/EN 60947-5-1 designation				A600 - Q600

11BGX1013



Operating current AC15			
	230V	A	3
	400V	А	1.9
	500V	Α	1.4
Operating current DC13			
	24V	А	3
	48V	А	1.5
	60V	Α	1.2
	110V	Α	0.6
	125V	Α	0.55
	220V	Α	0.27
	600V	Α	0.1
Electrical characteristics			
Conductivity			5V 10 mA
JL/CSA and IEC/EN 60947-5-1 designation			A600 Q600
Operating current AC15			
	120V	А	6
	240V	А	3
	480V	А	1.5
	600V	Α	1.2
Operating current DC13			
	12V	Α	10
	250V	Α	0.27
	440V	Α	0.15
	500V	Α	0.13
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	+70
Storage temperature			
	min	°C	-60
	max	°C	+80
Max altitude		m	3000
Dimensions [mm (in)]			
44 (3.23") (3.23") 20	 1		
(1.73") $(3.23")$	6		
	12")		
	(2		
	6 02")		

11BGX1013

58

() ()

Wiring diagrams

Ο

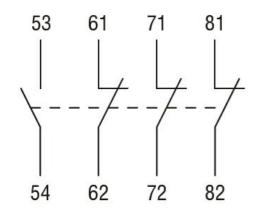
Б

] •

 (\mathbf{h})

100





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		
		EC000041 -

ETIM 8.0

EC000041 -Auxiliary contact block