



Product designation Product type designation Product data displays withstand voltage Uimp Product displays withstand voltage Uimp Productional frequency Productional frequency Production fuse Max						
Product type designation	Product designation				Auxiliary	
Contact characteristics Number of poles Nr. 4 4 Asalacid insulation voltage Ui IEC/EN V 690 690 Rated impulse withstand voltage Uimp kV 6 6 Conventional frequency min Hz 25 max EX 400 EX EX EX 400 EX <	_					
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 4 10 Decreational current le AC-1 (\$55°C) A 0 Protection fuse gG (IEC) A 25 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 0.8 Tightening torque for coil terminal Max number of wires simultaneously connectable Nr 2 Conductor section min mmx 10 Flexible w/o lug conductor section min mm² 1 <td col<="" td=""><td></td><td></td><td></td><td></td><td>BF00</td></td>	<td></td> <td></td> <td></td> <td></td> <td>BF00</td>					BF00
Rated insulation voltage Ui IEC/EN		es en la companya de				
Rated impulse withstand voltage Uimp RV 6						
Protectional frequency						
Min Hz 25 max Hz 400 EC Conventional free air thermal current lth	Rated impulse withsta	and voltage Uimp		kV	6	
Max Hz 400	Operational frequency	у				
EC Conventional free air thermal current Ith Operational current Ie			min	Hz	25	
AC-1 (≤55°C) A 0			max	Hz	400	
AC-1 (≤55°C) A 0	IEC Conventional free	e air thermal current Ith		Α	10	
Protection fuse gG (IEC) A 25	Operational current le)				
Tightening torque for terminals			AC-1 (≤55°C)	Α	0	
Min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Nm 1.8 min Ibin 1.5 max Ibin Ib	Protection fuse					
Min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Nm 1.8 min Ibin 1.5 max Ibin Ib			gG (IEC)	Α	25	
min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Nm 1.5 max Ibin 1.5 max Ibin 1.5 max Ibin 1.5 max Nm 1 min Ibin 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 max Ibin 0.8 max Ibin 0.74 max Ibin	Tightening torque for	terminals	<u> </u>			
Max Nm 1.8 min lbin 1.1 max lbin 1.5	9		min	Nm	1.5	
Min Ibin 1.1 1.5						
Tightening torque for coil terminal min Nm 0.8 max Nm 1 max mm^2 1 max max						
Min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74						
min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74	Tightening torque for	coil terminal				
Max Nm 1 min lbin 0.8 max lbin 0.74	rigittorining torquo for	oon torrina	min	Nm	0.8	
min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Max 10						
Max number of wires simultaneously connectable Nr. 2						
Max number of wires simultaneously connectable Nr. 2 Conductor section max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position						
AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired	Max number of wires	simultaneously connectable	IIIdx			
AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired		Simultaneously connectable		INI.		
Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug conductor section min max mm² verible with insulated spade lug	Conductor Section	AMC/Kamil				
Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Vertical plan		AWG/KCIIII	may		10	
min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Normal Vertical plan		Florible w/s has conducted a setting	Шах		10	
Flexible c/w lug conductor section min mm² 1 max mm² 4		Flexible w/o lug conductor section		2	4	
Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 1 max mm² 1 max mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Normal Vertical plan						
min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 1 max mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan		Electrical and the second and the se	max	mm-	б	
Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan		Flexible c/w lug conductor section		2	4	
Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan						
min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan		Ele 21 le 20 de la late la collection de la constitución de la collection		mm²	4	
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position max mm² 4 IP20 when properly wired Mechanical features Operating position normal Vertical plan		riexible with insulated spade lug conductor section			4	
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal IP20 when properly wired Mechanical features Operating position						
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan			max	mm ²		
Mechanical features Operating position normal Vertical plan	Power terminal prote	ction according to IEC/EN 60529				
Operating position normal Vertical plan					properly wired	
normal Vertical plan						
·	Operating position				Madal	
allowable ±30°					· ·	
			allowable		±30°	



ENERGY AND AUTOMATION

Fixing			Screw / DIN rail
			35mm
Weight		g	368
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		A	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	5.7
Operating current DC13			
	24V	Α	5.7
	48V	Α	2.9
	60V	Α	2.3
	110V	Α	1.25
	125V	Α	1.1
	220V	Α	0.55
	600V	Α	0.2
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
•	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			,
Rated AC voltage at 50/60Hz		V	400
AC operating voltage			
, , ,			
of 50/60Hz coil powered at 50Hz			
of 50/60Hz coil powered at 50Hz			
of 50/60Hz coil powered at 50Hz pick-up	min	%Hs	
	min max	%Us %Us	80
pick-up	min max	%Us %Us	
	max	%Us	80 110
pick-up	max min	%Us %Us	80 110 20
pick-up drop-out	max	%Us	80 110
pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us	80 110 20
pick-up drop-out	max min max	%Us %Us %Us	80 110 20 55
pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us	80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us	80 110 20 55
pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110
of 50/60Hz coil powered at 60Hz pick-up	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110
of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min max in-rush holding	%Us	80 110 20 55 80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55



of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8 24 ms max Opening NO min ms 10 max ms 20 Closing NC min ms 14 28 max ms Opening NC min ms 7 18 max ms UL technical data General USE Auxiliary contacts AC current Α 10 A600 - P600 Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature °C -50 min °C 70 max Storage temperature °C -60 min max °C 80 Max altitude 3000 m Resistance & Protection

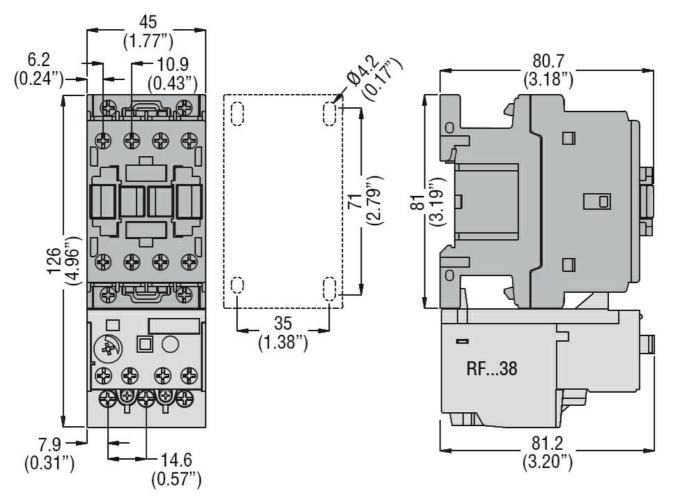
3

Pollution degree

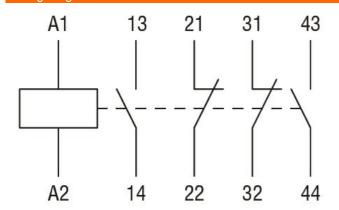
Dimensions







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

CCC

cULus

EAC





ENERGY AND AUTOMATION

CONTROL RELAY WITH AC COIL 50/60HZ, 400VAC, 2NO AND 2NC

ETIM classification

ETIM 8.0

EC000196 -Contactor relay