



Contactor by edicinguishment September					Auxiliary
Product type designation	Product designation				
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 Hz 400 IEC Conventional free air thermal current Ith A 10 0 0 Protection fuse gG (IEC) A 25 5 0	Product type designa	tion			BF00
Rated insulation voltage Ui IEC/EN V 690	Contact characteristic	os en la companya de			
Rated impulse withstand voltage Uimp	Number of poles			Nr.	4
Protectional frequency	Rated insulation volta	ge Ui IEC/EN		V	690
Min Hz 25 max Hz 400	Rated impulse withsta	and voltage Uimp		kV	6
EC Conventional free air thermal current lth	Operational frequency	y			
IEC Conventional free air thermal current lth Operational current le			min	Hz	
Operational current le AC-1 (≤55°C) A 0 Protection fuse gG (IEC) A 25 Tightening torque for terminals min Nm 1.5 Max Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 max Nm 1 Max Nm 1 Max Nm 1 max Nm 2 Conductor section min mm² 1 Flexible w/o lug conductor section min mm² 1 Flexible with insulated spade lug conductor section min mm² 1 min mm² 1 min mm² 1 min mm² 1 max mm² 4 <tr< td=""><td>-</td><td></td><td>max</td><td></td><td></td></tr<>	-		max		
AC-1 (≤55°C) A 0 Protection fuse gG (IEC) A 25 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min lbin 1.5 max lbin 1.5 Tightening torque for coil terminal min lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable AWG/Kcmil AWG/Kcmil AWG/Kcmil Flexible w/o lug conductor section Flexible c/w 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 Flexover terminal protection according to IEC/EN 60529 Mechanical features Mechanical features Operating position				Α	10
Protection fuse gG (IEC) A 25	Operational current le				
Tightening torque for terminals			AC-1 (≤55°C)	Α	0
Tightening torque for terminals	Protection fuse				
min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5	-		gG (IEC)	Α	25
Max Nm 1.8 min Ibin 1.1 max Ibin 1.5	Tightening torque for	terminals			
Min			min		
Tightening torque for coil terminal Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w 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 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position					
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74			min		
min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74			max	lbin	1.5
Max number of wires simultaneously connectable Nr. 2	Tightening torque for	coil terminal	_		
min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section 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 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 IP20 when properly wired max IP20 when properly wired when p					
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					
Conductor section 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 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			max		
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 M		simultaneously connectable		Nr.	2
Flexible w/o lug conductor section min mm² 1 max mm² 6	Conductor section	A1A10/1/2 11			
Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max 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		AWG/Kcmil			4.0
min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max 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		Florible/e long and doctor and the	max		10
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		Flexible w/o lug conductor section			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 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					
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		Florible of what conductor coetion	Пах	111111	0
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		Flexible C/W 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 Mechanical features Operating position					
min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position		Flavible with insulated spade lug conductor section		111111	-
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position		i ionible with insulated space lug conductor section		mm²	1
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position					
properly wired Mechanical features Operating position	_		mux		
Mechanical features Operating position	Power terminal protect	ction according to IEC/EN 60529			
Operating position	Mechanical features				, ., . ,
normal vertical plan			normal		Vertical plan
allowable ±30°					



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Fixing			Screw / DIN rail 35mm
Weight		g	352
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	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			
Misses soutete consultants IFO/FN 000474-4-4	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mechanical load	cycles	YES
EMC compatibility	mechanical load	cycles	
EMC compatibility AC coil operating	mechanical load		YES yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz	mechanical load	V	YES
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage	mechanical load		YES yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load		YES yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	YES yes 120
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	V %Us	YES yes 120
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		V	YES yes 120
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min max	V %Us %Us	YES yes 120 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max min	V %Us %Us %Us	YES yes 120 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max	V %Us %Us	YES yes 120 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min	V %Us %Us %Us	YES yes 120 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max min max	V %Us %Us %Us %Us	YES yes 120 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min max in-rush	V %Us %Us %Us %Us	YES yes 120 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	min max min max	V %Us %Us %Us %Us	YES yes 120 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 120 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 120 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush holding	V %Us %Us %Us %Us VA VA VA VA Cycles/h	YES yes 120 80 110 20 55 75 9 2.5

18

ms

max



Opening	NO
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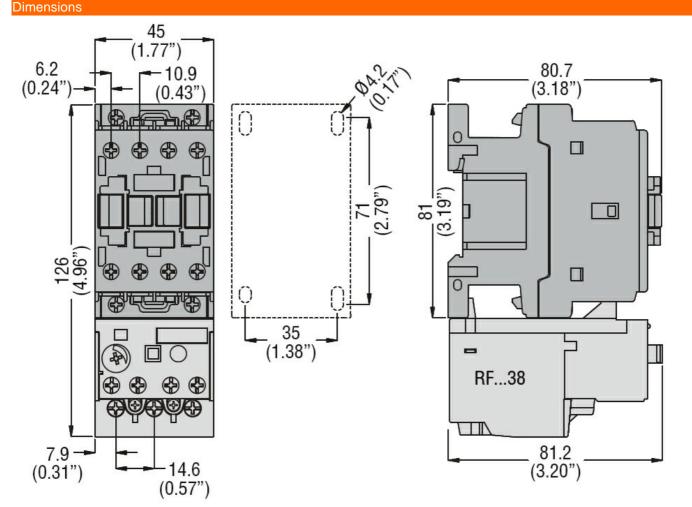
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	14
	max	ms	28
Opening NC			
-	min	ms	7

UL technical data

General USE

Auxiliary contacts

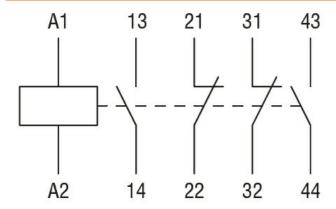
·	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			





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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

ETIM classification

ETIM 8.0

EC000196 -Contactor relay