



Product designation         Auxiliary contactor           Product type designation         BF00           Contact characteristics           We designation           Number of poles         Nr.         4           Rated insulation voltage Ui IEC/EN         V.         690           Rated impulse withstand voltage Uimp         kV.         6           Operational frequency         min         Hz.         25           IEC Conventional free air thermal current Ith         A.         10           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         1.1           max         lbin         1.1         1.1           max         lbin         1.5         1.1           max         lbin         1.5         1.2           Tightening torque for coil terminal         min         Nm         0.8         1.2           Tightening torque for coil terminal         min         Nm         0.8         1.2         1.2         1.2         1.2					
Product type designation         Contact of Contact characteristics           Number of poles         Nr.         4           Rated insulation voltage Ui IEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Operational frequency         min         Hz         25           IEC Conventional free air thermal current Ith         A         10           Operational current Ie         AC-1 (≤55°C)         A         0           Protection fuse         gG (IEC)         A         25           Tightening torque for terminals         min         Nm         1.5           max         Nm         1.8         nmin         Ibin         1.5           Tightening torque for coil terminal         min         Nm         1.5         nm         Nm         1.5           Tightening torque for coil terminal         min         Nm         0.8         nm         Nm         1.5           Tightening torque for coil terminal         min         Nm         0.8         nm         Nm         1.5           Tightening torque for coil terminal         min         Nm         0.8         nm         Nm         1.5           Tightening torque for coil terminal         m	Product decignation				Auxiliary
Contact characteristics           Number of poles         Nr.         4           Rated insulation voltage Uir IEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Operational frequency         min         Hz         25           max         Hz         400         400           IEC Conventional free air thermal current lth         A         10         0           Operational 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         1.5           Tightening torque for coil terminal         min         Nm         0.8	Froduct designation				
Number of poles					BF00
Rated insulation voltage Ui IEC/EN   V   690		os en la companya de			
Rated impulse withstand voltage Uimp					
Operational frequency         min max max max max         Hz max Hz max         25 max           IEC Conventional free air thermal current lth         A 10           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 1.8 min lbin 1.1 max           Tightening torque for coil terminal         min Nm 0.8 max         Nm 0.8 max           Tightening torque for coil terminal         min Nm 0.8 max         Nm 0.8 max           Max number of wires simultaneously connectable         Nr. 2         2           Conductor section         min mm mm 10 mm mm² 1 mmx         1           Flexible w/o lug conductor section         min mm² 1 mm² 4					
Max	Rated impulse withsta	and voltage Uimp		kV	6
EC Conventional free air thermal current Ith	Operational frequence	у			
EC Conventional free air thermal current lth			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         0.8           max         Nm         1           min         Ibin         0.8           max         Nm         1           A Max number of wires simultaneously connectable         Nr.         2           Conductor section         max         10           Flexible w/o lug conductor section         min         mm²         1           max         mm²         1           max         mm²         1           Flexible w/o lug conductor section         min         mm²         1           max         mm²         1           max         mm²         1           max         mm²			max	Hz	400
Protection fuse   gG (IEC)				Α	10
Protection fuse         gG (IEC)         A         25           Tightening torque for terminals           min Nm	Operational current le	9			
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   lbin   1.1   max   lbin   1.5   max   lbin   0.8   max   lbin   0.8   max   lbin   0.74   max			gG (IEC)	Α	25
Max   Nm   1.8   min   lbin   1.1   max   lbin   1.5	Tightening torque for	terminals			
Min			min		
Tightening torque for coil terminal			max		
Tightening torque for coil terminal    min   Nm   0.8   max   Nm   1   min   lbin   0.74     Max number of wires simultaneously connectable   Nr.   2			min		
Min   Nm   0.8   max   Nm   1   min   Ibin   0.8   max   Ibin   0.74			max	lbin	1.5
Max number of wires simultaneously connectable   Max number of wires simultaneously connectable   Nr.   2	Tightening torque for	coil terminal			
Max number of wires simultaneously connectable   Nr.   2			min		
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 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			min		
Conductor section  AWG/Kcmil    max			max		
AWG/Kcmil    max		simultaneously connectable		Nr.	2
Flexible w/o lug conductor section  Flexible c/w lug conductor section  Flexible c/w lug conductor section  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  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	Conductor section				
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/Kcmil			
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  Vertical plan			max		10
Flexible c/w lug conductor section    min mm²   1 max mm²   4 max		Flexible w/o lug conductor section		2	
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  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			max	mm²	6
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			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		Florible with insulated anada lug conductor coation		IIIIII-	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		mm²	1
Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  IP20 when properly wired  Mechanical features  Operating position  Normal  Vertical plan					_
Mechanical features  Operating position  normal  Overtical plan	-		IIIax	111111	
Mechanical features Operating position normal Vertical plan	Power terminal prote	ction according to IEC/EN 60529			
Operating position normal Vertical plan	Mechanical features				proporty whou
normal Vertical plan					
·	-13		normal		Vertical plan
					•



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Fixing			Screw / DIN rail 35mm
Weight		g	496
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	2221		
	230V	A	3
	400V	A	1.9
On areting assured DC40	500V	Α	1.4
Operating current DC12	440\/	٨	F 7
Operating current DC13	110V	Α	5.7
Operating current DC13	241/	٨	F 7
	24V 48V	A	5.7 2.9
	60V	A A	2.3
	110V	A	1.25
	125V	A	1.1
	220V	A	0.55
	600V	Α	0.2
Operations			<u> </u>
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
DC coil operating			
DC rated control voltage		V	220
DC operating voltage			
pick-up			
	min	%Us	70
	max	%Us	125
drop-out			
drop-out	min	%Us	10
·		%Us %Us	10 40
·	min max	%Us	40
·	min max in-rush	%Us W	5.4
Average coil consumption ≤20°C	min max	%Us	40
Average coil consumption ≤20°C  Max cycles frequency	min max in-rush	%Us W W	5.4 5.4
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation	min max in-rush	%Us W	5.4 5.4
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times	min max in-rush	%Us W W	5.4 5.4
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control	min max in-rush	%Us W W	5.4 5.4
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control  in DC	min max in-rush	%Us W W	5.4 5.4
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control	min max in-rush holding	%Us W W cycles/h	5.4 5.4 3600
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control  in DC	min max in-rush holding min	%Us W W cycles/h	5.4 5.4 3600
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control  in DC  Closing NO	min max in-rush holding	%Us W W cycles/h	5.4 5.4 3600
Average coil consumption ≤20°C  Max cycles frequency  Mechanical operation  Operating times  Average time for Us control  in DC	min max in-rush holding min max	%Us W W cycles/h ms ms	5.4 5.4 3600 54 66
Average coil consumption ≤20°C  Max cycles frequency Mechanical operation Operating times Average time for Us control in DC  Closing NO	min max in-rush holding min	%Us W W cycles/h	5.4 5.4 3600



Clasina	N

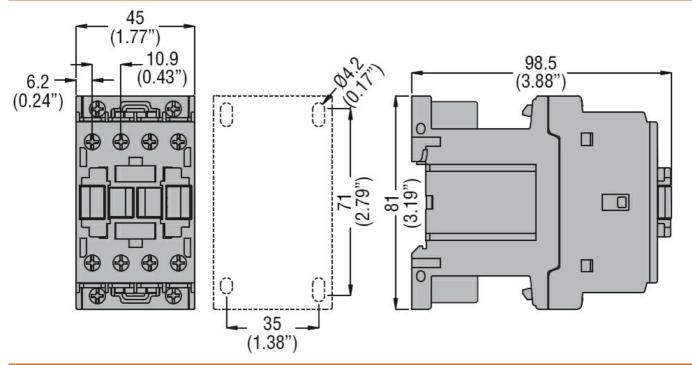
Closing NC			
	min	ms	24
	max	ms	30
Opening NC			
	min	ms	47
	max	ms	57

## UL technical data

General USE

Auxiliary contacts

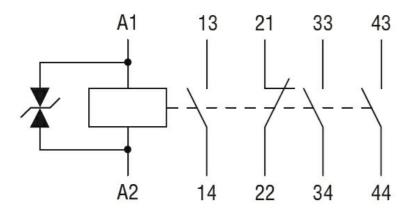
	AC current	Α	10
Contact rating of auxiliary contacts accordi	ng to UL		A600 - P600
Ambient conditions			
Temperature			
Operating temperating	ature		
	min	°C	-50
	max	°C	70
Storage temperatu	ıre		
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



## Wiring diagrams



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## 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