



Product designation Power contactor Product type designation BF95

Product type designation			BF95
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	140
Operational current le			
	AC-1 (≤40°C)	Α	140
	AC-1 (≤55°C)	Α	115
	AC-1 (≤70°C)	Α	100
	AC-3 (≤440V ≤55°C)	Α	95
	AC-4 (400V)	A	45
Rated operational power AC-3 (T≤55°C)			
	230V	kW	30
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	75
	690V	kW	90
D. I. J	1000V	kW	45
Rated operational current AC-3 (T≤55°C)	0001/	•	0.5
	230V	A	95
	400V	A	95
	415V	A	95
	440V	A	95
	500V	A	95
	690V	A	93 33
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	1000V	Α	აა
TEO MAX current le in DOT with L/K > This with T poles in series	~2A\/	۸	140
	≤24V 48V	A A	140
	75V 110V	A A	100 10
	220V	A	10 _
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2201		
ILO MAX current le ili DOT with L/N 3 THIS WITH 2 POIES III SEHES	≤24V	Α	140
	≤24V 48V	A	140
	75V	A	140
	110V	A	110
	220V	A	12
IEC may current le in DC1 with L/D < 1mc with 3 notes in series	220 V		1 4

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



	≤24V	Α	140
	48V	Α	140
	75V	Α	155
	110V	Α	120
	220V	Α	125
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
·	≤24V	Α	140
	48V	Α	140
	75V	Α	155
	110V	Α	140
	220V	Α	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	≤24V	Α	140
	48V	Α	44
	75V	Α	36
	110V	Α	6
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 7	,,	
TEO HIGA GUITCHE IN 200-200 WILL E/TC = 10HIS WILL 2 POICS IN SCHOOL	≤24V	Α	140
	48V	A	63
	75V	A	60
	110V	A	55
	220V	A	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		,
TEC max current le in DC3-DC3 with L/K \(\) 13ms with 3 poles in series	<24)/	۸	1.10
	≤24V	A	140
	48V	A	115
	75V	A	90
	110V	A	85
150	220V	Α	76
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	-04)/	Δ.	4.40
	≤24V	A	140
	48V	A	110
	75V	A	110
	110V	A	105
01 (10 (170 (71)000 (71)	220V	A	95
Short-time allowable current for 10s (IEC/EN60947-1)		Α	760
Protection fuse			
	gG (IEC)	Α	160
	aM (IEC)	Α	100
Making capacity (RMS value)		Α	1200
Breaking capacity at voltage			
	440V	Α	1100
	500V	Α	775
	690V	Α	745
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	Ith	W	8.8
	AC-3	W	4.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	Ibin	5.2

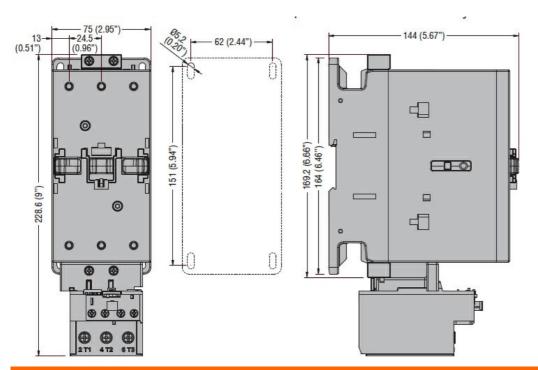


Tightening torque for o				
	Con terrinnar	min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Conductor section		Пах	10111	0.7 1
Conductor Scotlon	AWG/Kcmil			
	7. V.V. G/7. Co.11111	max		2/0
	Flexible w/o lug conductor section	Пах		2/0
	Tioxible W/o lag defladator deditori	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section	THOX		
	r ioxibio o, w lag conadciol cocion	min	mm²	1.5
		max	mm²	70
Power terminal protec	tion according to IEC/EN 60529	THOX		IP20 front
Mechanical features	mon according to 12-6/214 cocco			II Zo IIOIK
Operating position				
apolamia pooliion		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	2020
Auxiliary contact chara	acteristics		9	
Thermal current Ith			Α	140
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
Safety related data			0,0.00	
•	0d according to EN/ISO 13489-1			
	3 · · · · · · · · · · · · · · · · · · ·			4.400000
		rated load	cvcles	1400000
		rated load mechanical load	cycles cycles	1400000 15000000
AC coil operating		rated load mechanical load	cycles cycles	1500000
AC coil operating Rated AC voltage at 5	50/60Hz		cycles	15000000
Rated AC voltage at 5	50/60Hz		-	
Rated AC voltage at 5			cycles	15000000
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		cycles	15000000
Rated AC voltage at 5		mechanical load	V	230
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	mechanical load	v V	15000000 230 80
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	mechanical load	V	230
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	mechanical load	v V	15000000 230 80
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max min	v V %Us %Us	15000000 230 80 110 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max	v V %Us %Us	15000000 230 80 110
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min	v V %Us %Us	15000000 230 80 110 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min max	v Wus %Us %Us %Us %Us	15000000 230 80 110 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min	v Wus %Us %Us %Us %Us	15000000 230 80 110 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max min max	v Wus %Us %Us %Us %Us	15000000 230 80 110 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min max min max	v Wus %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max min max min max	vV %Us %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55 85 110 40
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max	v Wus %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max min max	vV %Us %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55 85 110 40
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max min max	vV %Us %Us %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55 85 110 40 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max min max in-rush	vV %Us %Us %Us %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55 85 110 40 55
AC coil operating Rated AC voltage at 5 AC operating voltage AC average coil consu	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max min max	vV %Us %Us %Us %Us %Us %Us %Us %Us	15000000 230 80 110 20 55 85 110 40 55

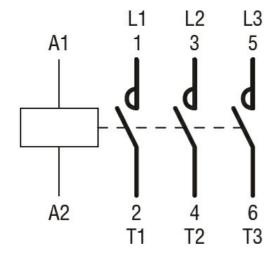


Max attitude			holding	VA	17
Dissipation at holding ≤20°C 50Hz W 6.5		of 60Hz coil powered at 60Hz	<u> </u>		
Dissipation at holding ≤20°C 50Hz W 6.5		·	in-rush	VA	300
Mackanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO min ms ms max ms ms max ms ms ms ms max ms ms ms ms max ms ms ms max ms ms ms max ms ms ms ms max ms ms ms ms max ms			holding	VA	20
Max cycles frequency Cycles/h 1500 Mechanical operation cycles/h 1500 Operating times In AC Image: Closing NO min max	Dissipation at holding ≤	20°C 50Hz		W	6.5
Average time for Us control In AC					
Average time for Us control In AC	Mechanical operation			cycles/h	1500
in AC Closing NO min ms 16 max ms 32 Opening NO min ms 9 max ms 24 UL technical data Rated operational voltage AC (UL) Yielded mechanical performance for three-phase AC motor 200/208V HP 30 480/480V HP 60 575/600V HP 75 General USE Contactor Short-circuit protection fuse, 600V High fault Short circuit current kA 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 200 Fuse rating A 200 Standard fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 100 Fuse rating A 200 Fuse class RK5 Ambient conditions Temperature Operating temperature Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C -60					
Closing NO	Average time for Us co	ntrol			
Min min ms 16 max ms 32		in AC			
Opening NO		Closing NO			
Opening NO			min	ms	16
Min			max	ms	32
Max		Opening NO			
Variable			min	ms	9
Rated operational voltage AC (UL) V 600 Yielded mechanical performance			max	ms	24
Yielded mechanical performance for three-phase AC motor 200/208V HP 30 30 460/480V HP 60 575/600V HP 75 General USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault High fault Short circuit current Fuse rating A 200 Fuse class J Standard fault Short circuit current Fuse rating A 250 Fuse class RK5 Ambient conditions RK5 Temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C +80 max °C +80 Max altitude m 3000	UL technical data				
For three-phase AC motor 200/208V HP 30 30 460/480V HP 30 460/480V HP 60 575/600V HP 75 75 75 75 75 75 75 7	Rated operational volta	ige AC (UL)		V	600
Contactor	Yielded mechanical pe	rformance			
Short circuit current KA 100		for three-phase AC motor			
Max altitude Max			200/208V	HP	30
Standard fault Short circuit current KA 10 10 10 10 10 10 10 1			220/230V	HP	30
Contactor			460/480V	HP	60
Contactor			575/600V	HP	75
AC current	General USE				
Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current Fuse rating A 250 Fuse class RK5 Short circuit current Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Fuse class RK5 Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Fuse class Fuse class RK5 Fuse class Fuse cl		Contactor			
High fault			AC current	Α	150
Short circuit current KA 100 Fuse rating A 200 Fuse class J	Short-circuit protection	fuse, 600V			
Fuse rating Fuse class J		High fault			
Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5			Short circuit current	kA	100
Standard fault Short circuit current			Fuse rating	Α	200
Short circuit current KA 10 Fuse rating A 250 Fuse class RK5			Fuse class		J
Fuse rating Fuse class RK5		Standard fault			
Fuse class RK5			Short circuit current	kA	10
Ambient conditions			Fuse rating	Α	250
Operating temperature			Fuse class		RK5
Operating temperature min or company "C or 70 Storage temperature min or company "C or -60 max or company "C or +80 Max altitude m or 3000					
min max °C 70 Storage temperature min °C -60 max °C +80 Max altitude m 3000	Temperature				
max °C 70 Storage temperature min °C -60 max °C +80 Max altitude m 3000		Operating temperature			
Storage temperature min °C -60 max °C +80 Max altitude m 3000			min		
min °C -60 max °C +80 Max altitude m 3000			max	°C	70
max °C +80 Max altitude m 3000		Storage temperature			
Max altitude m 3000			min		-60
			max	°C	
Dimensions				m	3000
	Dimensions				





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching