



Product designation Product type designation			Power contactor BF195
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	275
Operational current le			
	AC-1 (≤40°C)	Α	275
	AC-1 (≤55°C)	Α	230
	AC-1 (≤70°C)	Α	200
	AC-3 (≤440V ≤55°C)	Α	195
	AC-4 (400V)	A	95
Rated operational power AC-3 (T≤55°C)	0001/		
	230V	kW	55
	400V	kW	90
	415V	kW	110
	440V	kW	110
	500V	kW	132
	690V	kW	160
D. I. J	1000V	kW	90
Rated operational current AC-3 (T≤55°C)	0001/	Δ.	405
	230V	A	195
	400V	A	195
	415V	A	195
	440V	A	195
	500V	A	184
	690V	A	165
Detect or arctional mayor AC 4 (T<40°C)	1000V	A	85
Rated operational power AC-1 (T≤40°C)	2201/	LAAZ	101
	230V	kW	104
	400V	kW	181
	500V	kW	199
IEC may current to in DC1 with L/D < 1mg with 1 pales in paries	690V	kW	312
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	<241/	۸	275
	≤24V 48V	A	275
	48 V 75 V	A	275 275
	75V 110V	A	275
	220V	A	120
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2200	A	
TEO THAN CUITCH TE HT DOT WHITE LINES WHITE POLES IT SELLES	≤24V	Α	275
	⊒∠⊤ V	/ \	2.0



	48V	Α	275
	75V	Α	275
	110V	Α	170
	220V	Α	150
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
'	≤24V	Α	275
	48V	Α	275
	75V	Α	275
	110V	Α	170
	220V	Α	150
	330V	Α	150
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
· ·	≤24V	Α	275
	48V	Α	275
	75V	Α	275
	110V	Α	275
	220V	Α	275
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
, , , , , , , , , , , , , , , , , , ,	≤24V	Α	275
	48V	Α	275
	75V	A	180
	110V	Α	90
	220V	Α	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 1	- , ,	
TEO THAX CUITOR TO IT DOO DOO WILL DIX = TOTIC WILL 2 police in series	≤24V	Α	275
	48V	A	275
	75V	A	180
	110V	A	140
	220V	A	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		100
120 max current to in 200-200 with 2702 forms with a poles in series	≤24V	Α	275
	48V	A	275
	75V	A	180
	110V	A	160
	220V	A	140
	330V	A	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	330 V	A	100
TEC max current le in DC3-DC3 with L/R \(\) 15ms with 4 poles in series	≤24V	۸	275
	≤24V 48V	A A	275
	75V 110V	A	180
	110V 220V	A A	160 160
	330V		160
	460V	A	
Short-time allowable current for 10s (IEC/EN60947-1)	400 V	<u>А</u> А	100 1560
		A	1300
Protection fuse	~C (IEC)	۸	245
	gG (IEC)	A	315
Making apparity (DMC value)	aM (IEC)	A	250
Making capacity (RMS value)		Α	1658
Breaking capacity at voltage	4.401.7	Δ.	4050
	440V	A	1658
	500V	A	1326
	690V	A	1377
Resistance per pole (average value)		mΩ	0.18



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Power dissipation per	r pole (average value)			
		Ith	W	13
		AC-3	W	6.7
Tightening torque for	terminals			
		min	Nm	18
		max	Nm	18
		min	Ibin	159
		max	Ibin	159
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
Power terminal prote	ction according to IEC/EN 60529	тих		IP00
Mechanical features	ction according to 120/214 00323			11 00
Operating position				
Sperating position		normal		\/ortical plan
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	3000
Operations				100000
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	1000000
EMC compatibility				yes
AC coil operating				
	50/60Hz, 60Hz			
	50/60Hz, 60Hz	min	V	60
	50/60Hz, 60Hz	min max	V V	
Rated AC voltage at t				60 130
Rated AC voltage at t				
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz			
Rated AC voltage at t		max	V	130
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz	max	V %Us	130 80 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up	max	V	130
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz	max min max	V %Us %Us	80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	V %Us	130 80 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max	V %Us %Us	80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max max max in-rush	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max max min max min max	%Us %Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 10 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max max min max max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us VA	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out sumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	min max max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 10 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0
Rated AC voltage at t	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max max min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us %Us VA VA	80 Us min 110 Us max ≤70 Us min 10 Us max ≤70 Us min 10 Us max ≤70 Us min 160230 1.53.0
Rated AC voltage at s	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out sumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	min max max min max max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us VA	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0

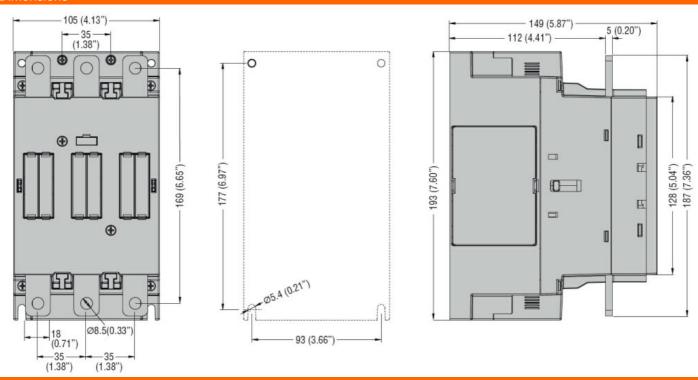
ENERGY AND AUTOMATION

DC coil operating					
DC rated control voltage	де				
			min	V	60
			max	V	130
DC operating voltage					
	pick-up				
			min	%Us	85 Us min
			max	%Us	110 Us max
	drop-out				
			max	%Us	≤70 Us min
Average coil consump	tion ≤20°C				
			in-rush	W	160230
			holding	W	1.53.0
Max cycles frequency					
Mechanical operation				cycles/h	1000
Operating times					
Average time for Us co					
	in AC	Clasing NO			
		Closing NO		ms	E 0
			min	ms ms	50
		Opening NO	max	ms	100
		Opening NO	min	ms	35
			max	ms	75
UL technical data			IIIdx	1113	13
Yielded mechanical pe	erformance				
riolada modificilida po	for three-phase AC mo	otor			
	ioi ando pridocito inc		200/208V	HP	60
			220/230V	HP	75
			460/480V	HP	150
			575/600V	HP	150
General USE					
	Contactor				
			AC current	Α	275
Short-circuit protection	n fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	Α	400
			Fuse class		J
	Standard fault			_	
			Short circuit current	kA	10
			Fuse rating	Α	400
A I			Fuse class		RK5
Ambient conditions					
Temperature	On a ratio or to record				
	Operating temperature		min	°C	-40
			min	°C	-40 70
	Storage temperature		max	U	10
	otorage temperature		min	°C	-50
			max	°C	80
Max altitude			IIIdX		3000
Resistance & Protection	on				
Pollution degree					3
					-

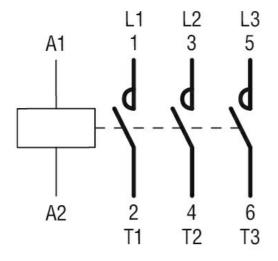
ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 60... 130VAC/DC

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

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching