



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	Α	
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	Α	180
	110V	Α	90
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	-		
	≤24V	Α	275
	48V	A	275
	75V	Α	180
	110V	Α	140
	220V	Α	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	275
	48V	Α	275
	75V	Α	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	000 V		100
The max same in a constraint of the action of the constraint of th	≤24V	Α	275
	48V	A	275
	75V	A	180
	110V	A	160
	220V	A	160
	330V	A	160
	460V	A	100
Short-time allowable current for 10s (IEC/EN60947-1)	400 V	A	1560
Protection fuse			1300
FTOGECHOIT IUSE	~C (IFC)	٨	215
	gG (IEC)	A	315
Making capacity (PMS value)	aM (IEC)	A	250
Making capacity (RMS value)		Α	1658
Breaking capacity at voltage	44017	Α.	4050
	440V	A	1658
	500V	A	1326
	690V	A	1377
Resistance per pole (average value)		mΩ	0.18



Power dissipation per 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 protection according to IEC/EN 6	60529			IP00
Mechanical features	,0020			11 00
Operating position				
Sperating position		normal		Vertical plan
		allowable		Vertical plan
The description of the second		allowable		±30°
Fixing			_	Screw
Weight			g	3000
Operations				100000
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B10d according to EN/ISO 13	3489-1			
		rated load	cycles	1000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/60Hz, 60Hz				
Nated AC voltage at 30/00112, 00112				
Nated Ac Voltage at 30/00/12, 00/12		min	V	250
Nated AC Voltage at 30/00/12, 00/12		min max	V V	
_				250 500
AC operating voltage	at 50Hz			
AC operating voltage of 50/60Hz coil powered				
AC operating voltage of 50/60Hz coil powered	at 50Hz pick-up	max	V	500
AC operating voltage of 50/60Hz coil powered		max	V %Us	500 80 Us min
AC operating voltage of 50/60Hz coil powered	pick-up	max	V	500
AC operating voltage of 50/60Hz coil powered		max min max	V %Us %Us	80 Us min 110 Us max
AC operating voltage of 50/60Hz coil powered	pick-up drop-out	max	V %Us	500 80 Us min
AC operating voltage of 50/60Hz coil powered	pick-up drop-out at 60Hz	max min max	V %Us %Us	80 Us min 110 Us max
AC operating voltage of 50/60Hz coil powered	pick-up drop-out	max min max max	V %Us %Us %Us	500 80 Us min 110 Us max ≤70 Us min
AC operating voltage of 50/60Hz coil powered	pick-up drop-out at 60Hz	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up	max min max max	V %Us %Us %Us	500 80 Us min 110 Us max ≤70 Us min
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	pick-up drop-out 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
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up	max min max max	V %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up	max max max max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out	max max max max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C	drop-out at 60Hz pick-up drop-out	max max max max	%Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out	min max max min 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
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out at 50Hz	min max max min max max	%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
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C	drop-out at 60Hz pick-up drop-out at 50Hz	min max max min max max in-rush holding	%Us %Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max ≤70 Us min 160230 1.53.0
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out at 50Hz	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 110 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out at 50Hz at 60Hz	min max max min max max in-rush holding	%Us %Us %Us %Us %Us %Us	80 Us min 110 Us max ≤70 Us min 80 Us min 110 Us max ≤70 Us min 160230 1.53.0
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out at 50Hz at 60Hz	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 80 Us min 110 Us max ≤70 Us min 160230 1.53.0 160230 1.53.0
AC operating voltage of 50/60Hz coil powered of 50/60Hz coil powered of 50/60Hz coil powered AC average coil consumption at 20°C of 50/60Hz coil powered of 50/60Hz coil powered	drop-out at 60Hz pick-up drop-out at 50Hz 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 110 Us max ≤70 Us min 110 Us max ≤70 Us min 160230 1.53.0

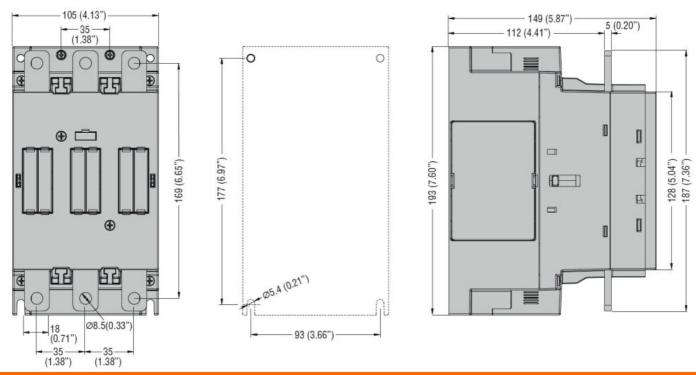


DC soil enerating					
DC coil operating	10				
DC rated control voltage	j e				250
			min	V	250
			max	V	500
DC operating voltage					
	pick-up				
			min	%Us	85 Us min
			max	%Us	110 Us max
	drop-out				
			max	%Us	≤70 Us min
Average coil consumpt	tion ≤20°C				
			in-rush	W	160230
			holding	W	1.53.0
Max cycles frequency					
Mechanical operation				cycles/h	1000
Operating times					
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
		· ·	min	ms	50
			max	ms	100
		Opening NO			
		- P - 1	min	ms	35
			max	ms	75
UL technical data					
Yielded mechanical pe	rformance				
riolada modilamda po	for three-phase AC mo	otor			
	ioi tilico pilaso Ao ili	otoi	200/208V	HP	60
			220/230V	HP	75
			460/480V	HP	150
			575/600V	HP	150
General USE			373/0001	1 11	130
General USL	Contactor				
	Contactor		AC current	Α	275
Chart size it aretestion	f COO\/		AC current	A	213
Short-circuit protection					
	High fault				400
			Short circuit current	kA	100
			Fuse rating	Α	400
	<u></u>		Fuse class		J
	Standard fault		0 1		
			Short circuit current	kA	10
			Fuse rating	Α	400
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature	Э			
			min	°C	-40
			max	°C	70
	Storage temperature				
			min	°C	-50
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
					-

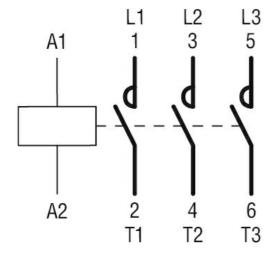
ENERGY AND AUTOMATION

3-POLIGES SCHÜTZ, IEC BETRIEBSSTROM LE (AC3) = 195A, AC/DC-SPULE, 250... 500VAC/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

BF19500E400

EC000066 -Power contactor, AC switching