



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)	Α	95
Rated operational power AC-3 (T≤55°C)			
	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 power AC-1 (T≤40°C)	0001/	1.347	404
	230V	kW	104
	400V	kW	181
	500V	kW	199
IFC many assument to im DC4 with L/D < 4 man with 4 males in agrics	690V	kW	312
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	2041 /	^	075
	≤24V	A	275
	48V 75V	A	275
		A	275
	110V 220V	A	120
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	220 V	A	_
TEC max current le in DCT with E/N = mis with 2 poles in series	≤24V	Α	275
	≤24 V 48 V	A	275 275
	75V	A	275 275
	110V	A	170
	220V	A	150
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	220 V	77	100
TEO THAN OUT OUT DO I WILL ETC = THIS WILL S POICS IT SCHOS	≤24V	Α	275
	48V	A	275
	75V	A	275
	734	77	210



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	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	A	275
	110V	A	275
150	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	Α	275
	75V	Α	180
	110V	A	140
	220V	A	100
150	220 V	<u> </u>	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	Α	160
	220V	Α	140
	330V	Α	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
·	≤24V	Α	275
	48V	Α	275
	75V	Α	180
	110V	Α	160
	220V	A	160
	330V	A	160
	460V	A	100
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1560
Protection fuse			
	gG (IEC)	Α	315
	aM (IEC)	Α	250
Making capacity (RMS value)		Α	1658
Breaking capacity at voltage			
	440V	Α	1658
	500V	Α	1326
	690V	Α	1377
Resistance per pole (average value)	330 v	mΩ	0.18
		11122	0.10
Power dissipation per pole (average value)	Inl-	14/	10
	Ith	W	13
	AC3	W	6.7
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	lbin	159
	max	lbin	159



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Tightoning targue for soil terminal			
Tightening torque for coil terminal	min	Nimo	0.0
	min	Nm	0.8
Device towaring a victorian according to IEC/EN COFOO	max	Nm	1
Power terminal protection according to IEC/EN 60529 Mechanical features			IP00
Operating position			
31	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	3000
Operations		9	0000
Mechanical life		cycles	10000000
Electrical life		cycles	1000000
Safety related data		Cycles	1000000
·			
Performance level B10d according to EN/ISO 13489-1			4000000
EMO (1979)	rated load	cycles	1000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	100
	max	V	250
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
of 50/60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	160230
	holding	VA	1.53.0
of 50/60Hz coil powered at 60Hz			
2. 33,33. 12 doi: portorda di 301.12	in-rush	VA	160230
	holding	VA	1.53.0
of 60Hz coil powered at 60Hz	rioiding	٧,١	
31 301 12 3011 poworou at 301 12	in-rush	VA	160230
	holding	VA	1.53.0
Dissipation at holding ≤20°C 50Hz	rioiding	W	1.53.0
DC coil operating		V V	1.00.0
DC rated control voltage			
DC rated control voltage	_	V	100
	ma:	1/	100
	min		250
DO an austin a valta va	min max	V	250
DC operating voltage			250
DC operating voltage pick-up	max	V	
			250 85 Us min 110 Us max

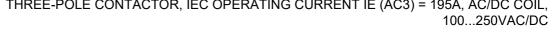




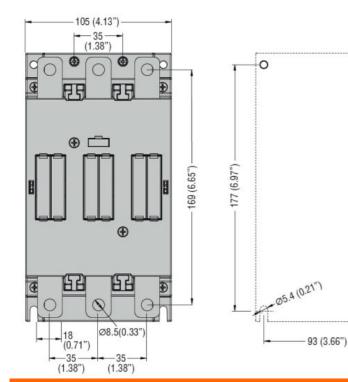
	drop-out			
		max	%Us	≤70 Us min
Average coil consump	tion ≤20°C			
		in-rush	W	160230
May avalos fraguesav		holding	W	1.53.0
Max cycles frequency Mechanical operation			cycles/h	1000
Operating times			Cycles/11	1000
Average time for Us co	ontrol			
Avorago anno for co o	in AC			
	Closing NO			
	3 - 3	min	ms	50
		max	ms	100
	Opening NO			
	. 3	min	ms	35
		max	ms	75
UL technical data				
Yielded mechanical pe				
	for three-phase AC motor			
		200/208V	HP	60
		220/230V	HP	75
		460/480V	HP	150
0		575/600V	HP	150
General USE	Contactor			
	Contactor	AC current	Α	275
Short-circuit protection	ofuse 600V	AC current	^	213
onort-circuit protection	High fault			
	riigiriadit	Short circuit current	kA	100
		Fuse rating	A	400
		Fuse class	, ,	J
	Standard fault	1 223 1.000		
		Short circuit current	kA	10
		Fuse rating	Α	400
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
	-	max	°C	70
	Storage temperature		0.0	5 0
		min	°C	-50
May altitude		max	°C	80
Max altitude	on		m	3000
Resistance & Protection	OII —			3
Pollution degree Dimensions				3
Interisions				

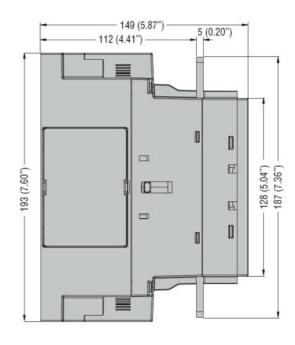
ENERGY AND AUTOMATION

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

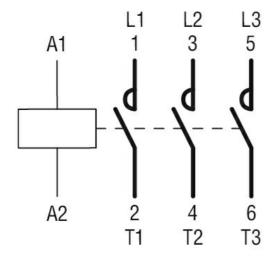


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Wiring diagrams



Certifications and compliance

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching