BF195T4E110



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 60... 130VAC/DC



			(fa der
Product designation Product type designation			Power contactor BF195
Contact characteristics			BLIGG
Number of poles		Nr.	4
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		А	275
Operational current le			
	AC-1 (≤40°C)	А	275
	AC-1 (≤55°C)	А	230
	AC-1 (≤70°C)	А	200
	AC-3 (≤440V ≤55°C)	А	195
	AC-4 (400V)	А	95
Rated operational power AC-1 (T≤40°C)			
	230V	kW	104
	400V	kW	181
	500V	kW	199
	690V	kW	312
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	120
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	170
	220V	А	150
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	170
	220V	А	150
	330V	А	150
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	275

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	220V	А	275
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	90
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	140
	220V	А	100
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	160
	220V	А	140
	330V	А	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	160
	220V	А	160
	330V	А	160
	460V	А	100
Short-time allowable current for 10s (IEC/EN60947-1)		А	1560
Protection fuse			
	gG (IEC)	А	315
	aM (IEC)	Α	250
Making capacity (RMS value)		Α	1658
Breaking capacity at voltage			
	440V	А	1658
	500V	А	1326
	690V	А	1377
Resistance per pole (average value)		mΩ	0.18
Power dissipation per pole (average value)			
	lth	W	13
	AC3	W	6.7
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	lbin	159
	max	lbin	159
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan



BF195T4E110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 60...

ENERGY AND AUTOMATION

130VAC/DC

		allowable		±30°
Fixing				Screw
Weight			g	4000
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data			ý	
	0d according to EN/ISO 13489-1			
	<b>3 1 1 1 1</b>	rated load	cycles	1000000
EMC compatibility			0)0.00	yes
AC coil operating				yee
Rated AC voltage at 5	0/60Hz 60Hz			
Valeu AC Vollage al J		min	V	60
			v	110
		max	V	110
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	00.115
		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 consu	umption 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			
	·	in-rush	VA	160230
		holding	VA	1.53.0
	of 60Hz coil powered at 60Hz	9		
		in-rush	VA	160230
		holding	VA	1.53.0
Dissipation at holding	≤20°C 50Hz		W	1.53.0
DC coil operating				
DC rated control volta				
	9°	min	V	60
		max	v	130
DC operating voltage		IIIdX	v	100
	niakun			
	pick-up		0/11-	05 11
		min	%Us	85 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
Average coil consump	otion ≤20°C			
		in-rush	W	160230
		holding	W	1.53.0
Max cycles frequency				
Mechanical operation			cycles/h	

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding BF195T4E110



ENERGY AND AUTOMATION

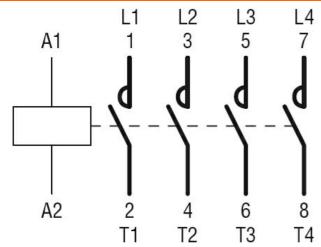
 	,	
130	VAC	C/DC

Operating times				
Average time for Us	control			
Ū	in AC			
	Closing	NO		
		min	ms	50
		max	ms	100
	Openin	g NO		
		min	ms	35
		max	ms	75
UL technical data				
Yielded mechanical	performance			
	for three-phase AC motor			
		200/208V	HP	60
		220/230V	HP	75
		460/480V	HP	150
		575/600V	HP	150
General USE				
	Contactor			
		AC current	А	275
Short-circuit protect	ion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	400
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	A	400
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			10
		min	°C	-40
		max	°C	70
	Storage temperature			50
		min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Prote				<u>^</u>
Pollution degree				3
Dimensions				



140 (5.51") 149 (5.87") 5 (0.20") (1.38") (1.38") (2.75") 112 (4.41") 0 0 0 0 q b 0 G 0 0 Œ Ð FF 四 田 0 ⊕ 0 E 177 (6.97") Ē 128 (5.04") 187 (7.36") 169 (6.65") 193 (7.60") €0—□ E • 0 . \$5.4 (0.21") 囧 日日 Œ Ð 0 0 0 Ø8.5 (0.33") 128 (5.04") -18-(0.71") \_\_\_\_35 \_\_\_ (1.38\*)

Wiring diagrams



Certifications and compliance	
Certificates	
cULus	
ETIM classification	
ETIM 8.0	EC000066 - Power contactor, AC switching

BF195T4E110