



Product designation Product type designation			Power contactor BF95
Contact characteristics			DI 95
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		А	140
Operational current le			
	AC-1 (≤40°C)	А	140
	AC-1 (≤55°C)	А	115
	AC-1 (≤70°C)	А	100
	AC-3 (≤440V ≤55°C)	А	95
	AC-4 (400V)	Α	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
	1000V	kW	45
Rated operational current AC-3 (T≤55°C)			
	230V	A	95
	400V	A	95
	415V	A	95
	440V	A	95
	500V	A	95
	690V	A	93
	1000V	A	33
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	(0.4)/	٨	4.40
	≤24V	A	140
	48V	A	140
	75V	A	100
	110V	A	10
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	220V	A	_
The max current is in DCT with $L/R \ge 1005$ with 2 poiss in series	~0N1	۸	140
	≤24V	A	140
	48V	A	140
	75V	A	140
	110V	A	110
	220V	A	12

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



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	≤24V	А	140
	48V	A	140
	75V	А	155
	110V	А	120
	220V	A	125
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	140
	48V	A	140
	75V	A	155
	110V	A	140
	220V	A	140
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	2201	Λ	140
Le max current le in Des-Des with E/K = 15ms with 1 poles in series	≤24V	А	140
	48V	A	44
	40V 75V		
		A	36
	110V	A	6
	220V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			4.40
	≤24V	A	140
	48V	А	63
	75V	А	60
	110V	А	55
	220V	A	7
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	140
	48V	А	115
	75V	А	90
	110V	А	85
	220V	А	76
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	140
	48V	А	110
	75V	А	110
	110V	А	105
	220V	А	95
Short-time allowable current for 10s (IEC/EN60947-1)		А	760
Protection fuse			
	gG (IEC)	А	160
	aM (IEC)	A	100
Making capacity (RMS value)		A	1200
Breaking capacity at voltage		~	1200
Drouning oupdoiry at voltage	440V	А	1100
	440V 500V	A	775
	690V	A	745
Posistance per pole (average value)	0907		
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)	1.1	147	0.0
	Ith	W	8.8
	AC-3	W	4.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2



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Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			_, _
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal protec	tion according to IEC/EN 60529	Пах		IP20 front
Aechanical features				11 20 11011
Dperating position				
		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rai
Fixing				35mm
Veight			~	2060
Conductor section			g	2000
	ANAC (kernel according to a stice			
	AWG/kcmil conductor section			0/0
		max		2/0
Auxiliary contact chara	actenstics		٨	4.40
Thermal current Ith			А	140
Operations				4500000
Mechanical life			cycles	1500000
Electrical life			cycles	1400000
AC coil operating				
Rated AC voltage at 5	0/60Hz, 60Hz			
		min	V	20
		max	V	48
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	85 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	85 Us min
		max	%Us	110 Us max
	drop-out			
	·	max	%Us	≤70 Us min
AC average coil consi	umption at 20°C			
5	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	70175
		holding	VA	1.73.5
	of 50/60Hz coil powered at 60Hz	noiding	٧/٦	1.70.0
		in-rush	VA	70175
			VA VA	1.73.5
		holding	٧A	1.7



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC/DC COIL, 20...48VAC/DC

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ENERGY AND AUTOMATION					2048VAC/D
	of 60Hz coil pow	vered at 60Hz			
			in-rush	VA	70175
			holding	VA	1.73.5
Dissipation at holding	≤20°C 50Hz			W	1.31,5
DC coil operating					
DC rated control voltage	ge				
			min	V	20
			max	V	48
DC operating voltage					
	pick-up				
			min	%Us	80 Us min
			max	%Us	110 Us max
	drop-out				
			max	%Us	≤70 Us min
Average coil consump	otion ≤20°C				
			in-rush	W	7080
			holding	W	1.31.5
Max cycles frequency					
Mechanical operation				cycles/h	1500
Operating times					
Average time for Us co					
	in AC	.			
		Closing NO			4.5
			min	ms	45
			max	ms	90
		Opening NO			24
			min	ms	24
	in DC		max	ms	60
		Closing NO	min	ms	45

	max	ms	85
Opening NO			
	min	ms	24
	max	ms	60
UL technical data			
Yielded mechanical performance			
for three-phase AC motor			
	200/208V	HP	30
	220/230V	HP	30
	460/480V	HP	60
	575/600V	HP	75
General USE			
Contactor			
	AC current	А	150
Short-circuit protection fuse, 600V			
High fault			
	Short circuit current	kA	100
	Fuse rating	А	200
	Fuse class		J
Standard fault			
	Short circuit current	kA	10
	Fuse rating	А	250

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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

Fuse class

RK5

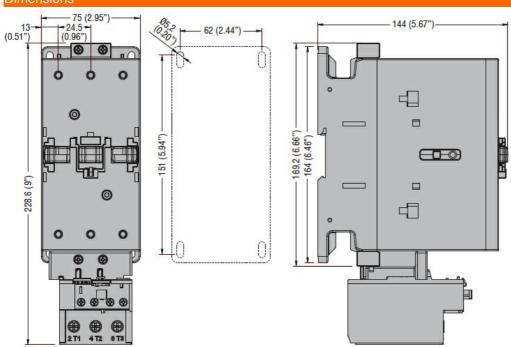


Ambient conditions

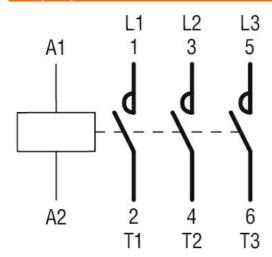
Temperature

Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	+80
		m	3000





Wiring diagrams



Certifications and 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		

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Compliance



	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching