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Product designation Product type designation			Power contactor BFD65
Contact characteristics			BFD05
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ΓV	0
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	115
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		~	115
	400V	А	100
	400V 600V	A	75
	800V 800V	A	45
	1000V	A	45 35
Short-time allowable current for 10s (IEC/EN60947-1)	1000 v	A A	640
Protection fuse		A	040
Protection fuse		۸	105
	gG (IEC) aM (IEC)	A A	125 80
Desistance per polo (overago velvo)		 mΩ	
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)	14b	14/	7.0
Tightoning torque for torquele	Ith	W	7.9
Tightening torque for terminals		N	
	min	Nm	4
	max	Nm	5
	min	lbin Ibin	2.95
Tightoning torque for cell terminel	max	lbin	3.69
Tightening torque for coil terminal		Nime	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			0
	max		2
Flexible w/o lug conductor section		2	4 5
	min	mm²	1.5
	max	mm²	35
Flexible c/w lug conductor section			4 5
	min	mm²	1.5
	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			

Operating position



BFD6500A024 CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 24VAC 50/60HZ

		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1240
Conductor section				
	AWG/kcmil conductor section			
		max		2
Operations				4500000
Mechanical life Safety related data			cycles	15000000
	0d according to EN/ISO 13489-1			
		mechanical load	cycles	15000000
EMC compatibility		moonamoanoaa	0,0100	yes
AC coil operating				,
Rated AC voltage at 5	50/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out	min	0/ L lo	20
		min max	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	Παλ	/003	55
	pick-up			
	F F	min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	•			
	of 50/60Hz coil powered at 50Hz	in much		040
		in-rush holding	VA VA	210 15
	of 50/60Hz coil powered at 60Hz	noiding	VA	15
		in-rush	VA	195
		holding	VA	13
	of 60Hz coil powered at 60Hz			
	·	in-rush	VA	210
		holding	VA	15
Dissipation at holding			W	5
Max cycles frequency				2000
Mechanical operation			cycles/h	3600
Operating times Average time for Us c				
Average unle for US 0	in AC			
	Closing NO			
		min	ms	12
		max	ms	28
	Opening NO			
		min	ms	8
		max	ms	22
	in DC			

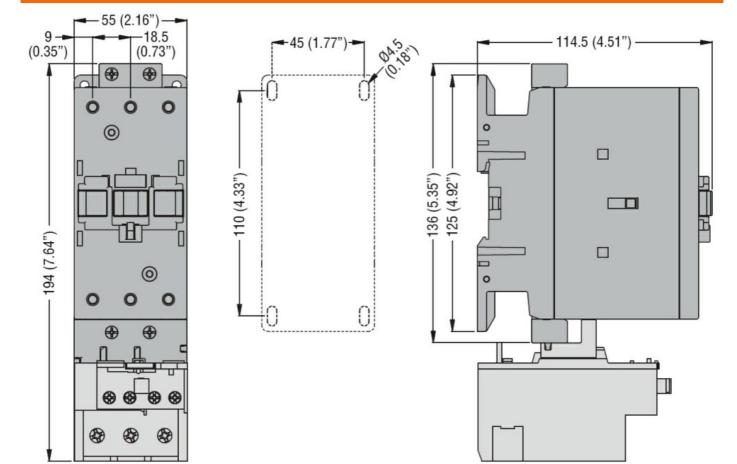
BFD6500A024



BFD6500A024 CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 24VAC 50/60HZ

	Closing NO			
		min	ms	40
		max	ms	85
	Opening NO			
		min	ms	20
		max	ms	55
UL technical data				
General USE				
	Contactor			
		AC current	А	115
	4 poles in series DC1			
		600V	А	100
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protecti	on			
Pollution degree				3

Dimensions

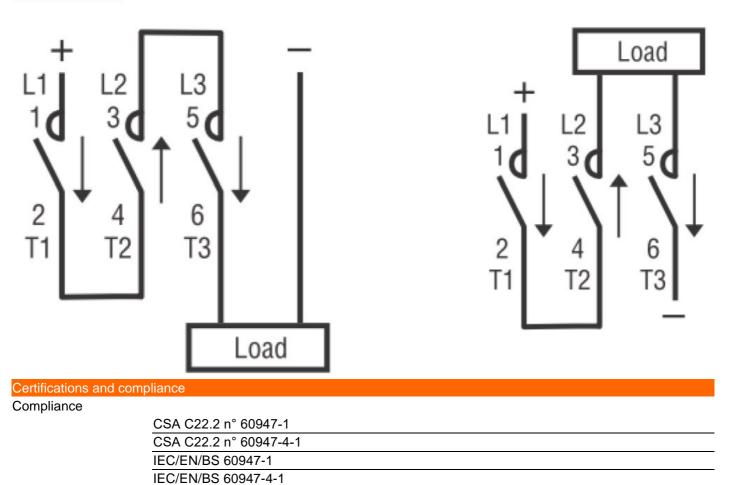


Wiring diagrams



BFD6500A024

CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 24VAC 50/60HZ



UL 60947-1 UL 60947-4-1 ETIM classification

ETIM 8.0

EC002552 -Power contactor, DC switching