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Product designation Product type designation			Power contactor BFD65
Contact characteristics			DI D00
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		i v	0
	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		~	110
	400V	А	100
	400V 600V	A	75
	800V	A	45
	1000V	A	35
Short time allowable aureant for 10a (IEC/ENG0047.1)	1000 v	A	640
Short-time allowable current for 10s (IEC/EN60947-1) Protection fuse		A	640
Protection luse		•	105
	gG (IEC)	A	125
	aM (IEC)	<u>A</u>	80
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)			
	lth	W	7.9
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	Ibin	2.95
	max	Ibin	3.69
Tightening torque for coil terminal			
	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			
	max		2
Flexible w/o lug conductor section			
	min	mm²	1.5
	max	mm²	35
Flexible c/w lug conductor section			
-	min	mm²	1.5
	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			

Operating position



BFD6500A400 CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 400VAC 50/60HZ

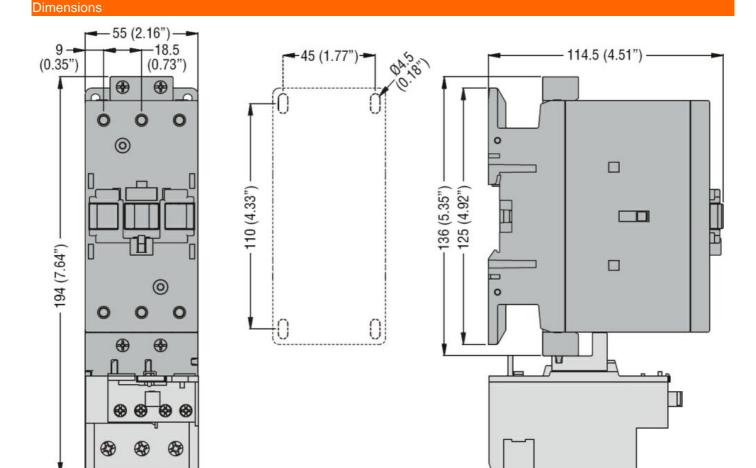
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rai 35mm
Weight			g	1240
Conductor section				
	AWG/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
Safety related data	A apparding to EN/ISO 12480 1			
	0d according to EN/ISO 13489-1	mechanical load	oveloc	15000000
EMC compatibility		mechanicarioau	cycles	yes
AC coil operating				yes
Rated AC voltage at 5	0/60Hz		V	400
AC operating voltage			*	
	of 50/60Hz coil powered at 50Hz			
	, pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/110	05
		min max	%Us %Us	85 110
	drop-out	Παλ	/003	110
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
-	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	210
		holding	VA	15
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	195
		holding	VA	13
	of 60Hz coil powered at 60Hz	-امريس من	1/4	210
		in-rush holding	VA VA	210 15
Dissipation at holding :	<20°C 50Hz	noiuing	W VA	5
Max cycles frequency			vv	<u> </u>
Mechanical operation			cycles/h	3600
Operating times			.,	
Average time for Us co	ontrol			
	in AC			
	Closing NO			
		min	ms	12
		max	ms	28
	Opening NO			
		min max	ms ms	8 22

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BFD6500A400 CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 400VAC 50/60HZ

	Closing I	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



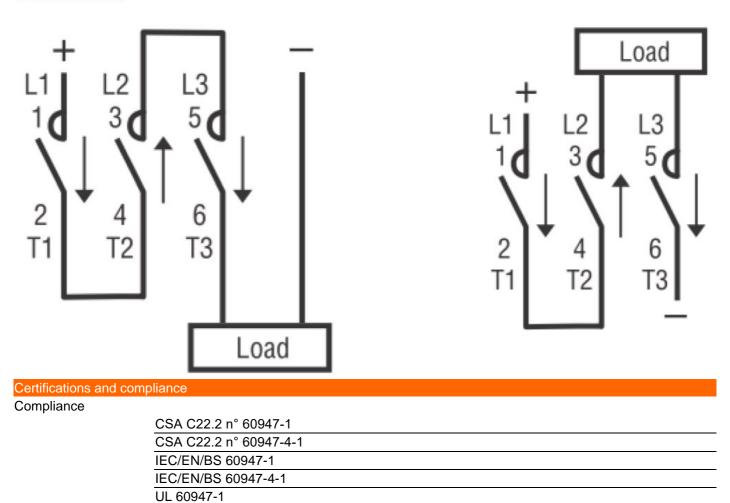
Wiring diagrams

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CONTACTOR 3 POLI, 35A/1000V DC1, BOBINA AC, 400VAC 50/60HZ



ETIM classification

UL 60947-4-1

ETIM 8.0

EC002552 -Power contactor, DC switching