



Product designation			Power contactor
Product type designation Contact characteristics			BFD65
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated insulation voltage of IEC/EN Rated impulse withstand voltage Uimp		kV	8
·		KV	0
Operational frequency		1.1-	0.5
	min	Hz ⊔-	25 400
IEC Conventional free air thermal current Ith	max	Hz_	115
		A	110
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	400\/	۸	100
	400V	A	100
	600V	A	75 45
	800V	A	45 25
Chart time allowable august for 40a (IFC/FNC0047.4)	1000V	A 	35
Short-time allowable current for 10s (IEC/EN60947-1)		A	640
Protection fuse	**O (IEO)	۸	405
	gG (IEC)	A	125
Peniatanaa nar nala (ayaraga yalya)	aM (IEC)	A	80
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)	المله	۱۸/	7.0
Tightoning to your fau to you in alla	Ith	W	7.9
Tightening torque for terminals	•.	N	4
	min	Nm	4
	max	Nm	5
	min	lbin	2.95
Tightening tennes for cell tenning!	max	lbin	3.69
Tightening torque for coil terminal		Niss	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
May number of using a impultance uply compactable	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			0
Florities (all according to the configurations)	max		2
Flexible w/o lug conductor section	•		4.5
	min	mm²	1.5
Floritary Lances Later and Co.	max	mm²	35
Flexible c/w lug conductor section	•		4.5
	min	mm²	1.5
B	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			

Operating position



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			normal allowable		Vertical plan ±30°
Fixing					Screw / DIN rail 35mm
Weight				g	1240
Conductor section					
	AWG/kcmil conductor	section			
Operations			max		2
Operations Mechanical life				ovoloo	15000000
Safety related data				cycles	15000000
	Od according to EN/ISO	13489-1			
r chomianoc iever Biv	od dooording to Ervico	10-100 1	mechanical load	cycles	15000000
EMC compatibility			moonamoanoaa	0,0100	yes
AC coil operating					, 00
Rated AC voltage at 6	0Hz			V	120
AC operating voltage					
	of 60Hz coil powered	at 60Hz			
		pick-up			
			min	%Us	80
			max	%Us	110
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	•	- 1 001.1			
	of 60Hz coil powered	at 60Hz	:	1/4	240
			in-rush	VA VA	210 15
Dissipation at holding :	<20°C 50H -		holding	W	5
Max cycles frequency	≥20 C 30HZ			VV	5
Mechanical operation				cycles/h	3600
Operating times				0 9 0 10 0 7 1 1	0000
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		-	min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC	01 : 1:0			
		Closing NO			40
			min	ms	40
		Opening NO	max	ms	85
		Opening NO	min	ms	20
			max	ms	55
UL technical data			IIIAX	1110	
General USE					
	Contactor				
			AC current	Α	115
	4 poles in series DC1				
	,		600V	Α	100



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Temperature

Operating temperature

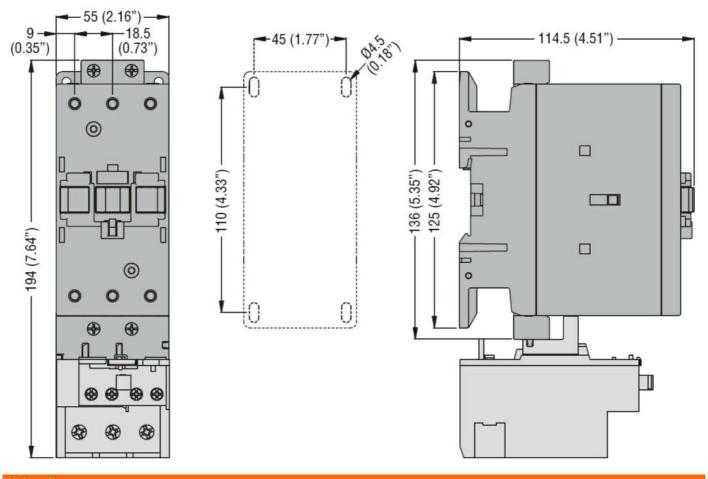
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
	_	m	3000
on			

Resistance & Protection

Pollution degree 3

Dimensions

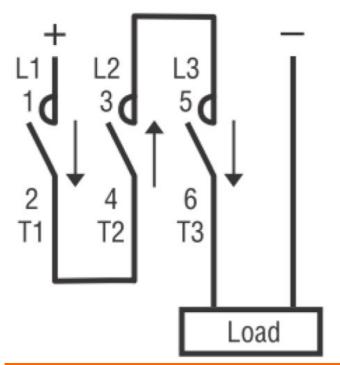
Max altitude

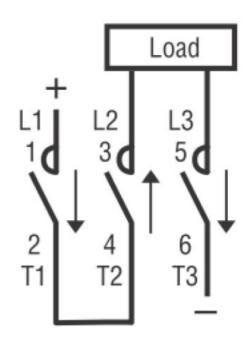


Wiring diagrams



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Certifications and compliance

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

UL 60947-4-1

ETIM classification

ETIM 8.0

EC002552 -Power contactor, DC switching