

ENERGY AND AUTOMATION

Product designation Product type designation				Power contactor DPBF50
Contact characteristics				-
Number of poles			Nr.	3
Operational frequency		min max	Hz Hz	25 400
Mechanical features				
Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1020
Operations				4500000
Mechanical life Electrical life			cycles	15000000 1400000
Safety related data			cycles	1400000
	Od according to EN/ISO 13489-1			
		rated load mechanical load	cycles cycles	1400000 15000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 60)Hz		V	230
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	•			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
	of 50/60Hz coil powered at 60Hz	holding	VA	4
	oi 50/00i iz coii powereu at 00Hz	in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz	J		
		in-rush	VA	210
		holding	VA	15
Dissipation at holding s Max cycles frequency	≤20°C 50Hz		W	5
Mechanical operation			cycles/h	3600
Operating times			.,	
Average time for Us co	ontrol			
-	in AC			
	Closing NO			
		min	ms	12
	Opening NO	max	ms	28
The character	risting described in this decument are subject to undeten as a self-entitle.	iona at any tima. The description	one technical	- n d



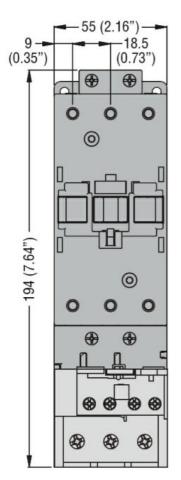


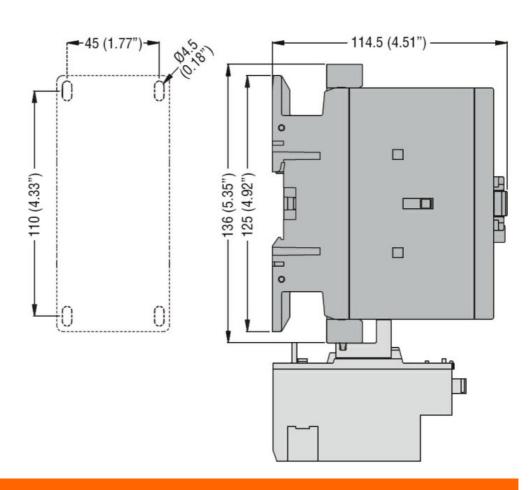


			min	ms	8
			max	ms	22
		Closing NC			
			min	ms	0
			max	ms	0
		Opening NC			
			min	ms	0
	in DC				
		Closing NO			
			min	ms	40
			max	ms	85
		Opening NO			22
			min	ms	20
III to abraigal data			max	ms	55
UL technical data	for three where AO				
Full-load current (FLA)	ior inree-phase AC mot	Of	ot 000)/	^	70
Lasted natas assument (LI	DAN		at 600V	A	70
Locked rotor current (LI	RA)			Α	420
General USE	0				
	Contactor		A.C	^	00
Object singuity and action	f 0001/		AC current	A	90
Short-circuit protection					
	High fault		Chart singuit surrent	L.Λ	100
			Short circuit current	kA ^	100
			Fuse rating Fuse class	Α	150 J
	Standard fault		Fuse class		
	Stariuaru rault		Short circuit current	kA	5
			Fuse rating	A	150
			Fuse class	^	RK5
Ambient conditions			i use class		ICICO
Temperature					
Tomporatoro	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		······		
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	n				
Pollution degree					3
Dimensions					

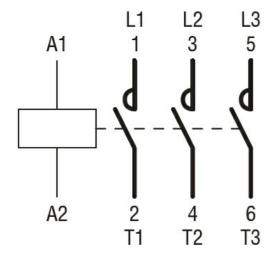


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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-62

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification



DPBF5000A23060

THREE-POLE CONTACTOR, FLA 70A, AC COIL 60HZ, 230VAC

ETIM 8.0

EC000066 -Power contactor, AC switching