

DPBF1210D024 THREE-POLE CONTACTOR, FLA 25A, DC COIL, 24VDC, 1NO AUXILIARY CONTACT

Product designation Product type designation	on			Power contacto DPBF12
Contact characteristics				
Number of poles			Nr.	3
Dperational frequency				
		min	Hz	25
		max	Hz	400
Mechanical features				
Operating position				
s por sum g poor som		normal		Vertical plan
		allowable		±30°
				Screw / DIN rai
Fixing				35mm
Neight			g	487
Operations			9	
Mechanical life			cycles	20000000
Electrical life			cycles	2000000
Safety related data			0,0100	2000000
	Dd according to EN/ISO 13489-1			
		rated load	cycles	2000000
		mechanical load	cycles	20000000
Mirror contate accordin	ng to IEC/EN 609474-4-1	meendmearioad	Cycle3	yes
EMC compatibility				
AC coil operating				yes
Rated AC voltage at 60			V	24
-			v	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	drop-out		%Us	0
	of COLLE and newsrand of COLLE	max	%05	0
	of 60Hz coil powered at 60Hz			
	pick-up		0/11-	00
		min	%Us	80
	dee e suit	max	%Us	110
	drop-out		0/11-	00
		min	%Us	20
10	mation at 00%	max	%Us	55
AC average coil consu	•			
	of 60Hz coil powered at 60Hz		\ /A	75
		in-rush	VA	75
	2000 FOLL	holding	VA	9
Dissipation at holding ≤	S20°C 50Hz		W	2.5
DC coil operating				
DC rated control voltag	je		V	24
DC operating voltage				
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out			
		min	%Us	10
		max	%Us	40
Average coil consumpt	tion ≤20°C			
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in-rush

holding

W

W

5.4

5.4



Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC **Closing NO** min ms 8 24 max ms **Opening NO** 10 min ms 20 max ms **Closing NC** min ms 14 28 max ms **Opening NC** 7 min ms 18 max ms in DC **Closing NO** 54 min ms 66 max ms **Opening NO** 14 min ms 17 max ms UL technical data Full-load current (FLA) for three-phase AC motor at 600V 25 А Locked rotor current (LRA) А 150 Yielded mechanical performance for single-phase AC motor 2 110/120V HP ΗP 230V 3 for three-phase AC motor 200/208V HP 5 ΗP 5 220/230V 460/480V HP 10 575/600V HP 15 General USE Contactor AC current А 28 Auxiliary contacts AC voltage V 600 AC current А 10 DC voltage V 250 DC current А 1 Short-circuit protection fuse, 600V Standard fault Short circuit current kΑ 5 Fuse rating А 80 Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Operating temperature

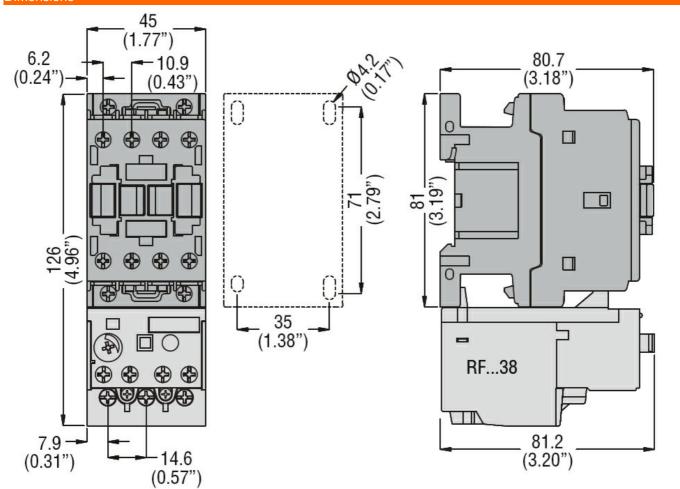


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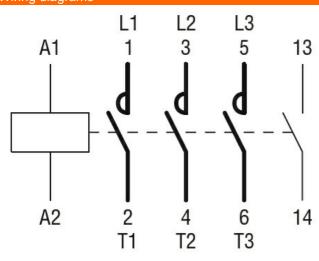
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	min max	°C °C	-50 70	
Storage temperature		•		
	min	°C	-60	
	max	°C	80	
Max altitude		m	3000	
Resistance & Protection				
Pollution degree			3	

Dimensions



Wiring diagrams



Certifications and compliance

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Compliance

	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-4-25	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	cULus	
ETIM classification		
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching