

DPBF5000A02460

THREE-POLE CONTACTOR, FLA 70A, AC COIL 60HZ, 24VAC

Product designation Product type designati				Power contactor DPBF50
Contact characteristics	5			
Number of poles			Nr.	3
Operational frequency				
		min	Hz	25
		max	Hz	400
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1020
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1400000
		mechanical load	cycles	15000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	24
Rated AC voltage at 6	0Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	115
	drop-out		0/11-	20
		min	%Us	20 55
	of 60Hz poil powered at 60Hz	max	%Us	55
	of 60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
		max	%Us %Us	110
		Παλ	/003	
	dron-out			
	drop-out	min	% le	20
	drop-out	min max	%Us %Us	20 55
AC average coil consu		min max	%Us %Us	20 55
AC average coil consu	Imption at 20°C			
AC average coil consu		max	%Us	55
AC average coil consu	Imption at 20°C	max in-rush	%Us VA	<u>55</u> 30
AC average coil consu	Imption at 20°C	max	%Us	55

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			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered	at 60Hz	Ŭ		
			in-rush	VA	210
			holding	VA	15
Dissipation at hold	ing ≤20°C 50Hz			W	5
lax cycles freque	ncy				
lechanical operati	on			cycles/h	3600
Operating times					
verage time for U	ls control				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			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			
			min	ms	20
			max	ms	55
			тах	1115	
			Шах	1113	
	LA) for three-phase AC m	otor		mo	
	ELA) for three-phase AC m	otor	at 600V	A	70
Full-load current (F		otor			
Full-load current (F		otor		A	70
Full-load current (F		otor		A	70
ocked rotor curre General USE	nt (LRA) Contactor	otor		A	70
Full-load current (F .ocked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V	otor	at 600V	A A	70 420
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor	otor	at 600V AC current	A A	70 420 90
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V	otor	at 600V AC current Short circuit current	A A	70 420 90 100
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V	otor	AC current Short circuit current Fuse rating	A A A	70 420 90
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V High fault	otor	at 600V AC current Short circuit current	A A A kA	70 420 90 100
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V	otor	AC current AC current Short circuit current Fuse rating Fuse class	A A A kA	70 420 90 100 150 J
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V High fault	otor	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current	A A A kA A	70 420 90 100 150 J 5
Full-load current (F Locked rotor curre General USE	nt (LRA) Contactor ction fuse, 600V High fault	otor	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	A A A kA A	70 420 90 100 150 J 5 150
Gull-load current (F Locked rotor current General USE Short-circuit protect	nt (LRA) Contactor ction fuse, 600V High fault Standard fault	otor	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current	A A A kA A	70 420 90 100 150 J 5
Gull-load current (F Locked rotor current General USE Short-circuit protect	nt (LRA) Contactor ction fuse, 600V High fault Standard fault	otor	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	A A A kA A	70 420 90 100 150 J 5 150
Full-load current (F Locked rotor current General USE Short-circuit protect	nt (LRA) Contactor ction fuse, 600V High fault Standard fault	otor	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	A A A kA A	70 420 90 100 150 J 5 150
Full-load current (F	nt (LRA) Contactor ction fuse, 600V High fault Standard fault		AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	A A A kA A	70 420 90 100 150 J 5 150
Full-load current (F Locked rotor current General USE Short-circuit protect	tt (LRA) Contactor Contactor High fault Standard fault		AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	A A A kA A	70 420 90 100 150 J 5 150
Full-load current (F Locked rotor current General USE Short-circuit protect	tt (LRA) Contactor Contactor High fault Standard fault		AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class	A A A kA A kA	70 420 90 100 150 J 5 150 RK5
Full-load current (F Locked rotor current General USE Short-circuit protect	tt (LRA) Contactor ttion fuse, 600V High fault Standard fault	re	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min	A A A kA A kA A	70 420 90 100 150 J 5 150 RK5 -50
Full-load current (F Locked rotor current General USE Short-circuit protect	nt (LRA) Contactor ction fuse, 600V High fault Standard fault Operating temperatu	re	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min	A A A kA A kA A	70 420 90 100 150 J 5 150 RK5 -50
Full-load current (F Locked rotor current General USE Short-circuit protect	nt (LRA) Contactor ction fuse, 600V High fault Standard fault Operating temperatu	re	AC current AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min max	A A A kA A kA A °C °C	70 420 90 100 150 J 5 150 RK5 -50 70

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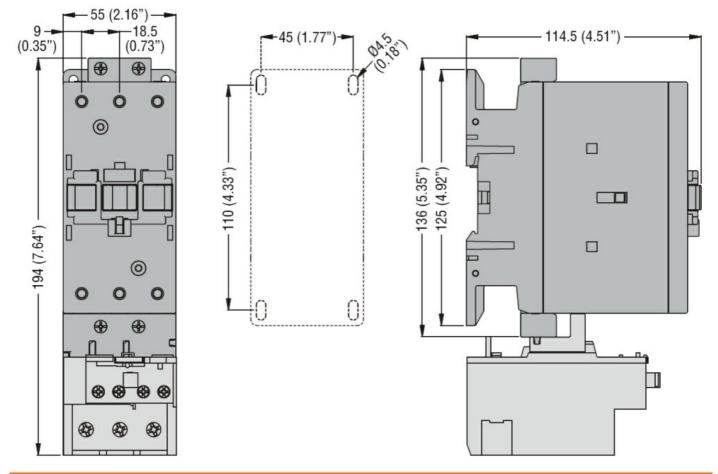
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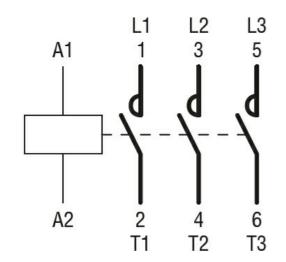
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Resistance & Protection

Pollution degree Dimensions



Wiring diagrams



Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-60
	UL 60947-1
	UL 60947-4-1
Certificates	



cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching