

ENERGY AND AUTOMATION



			•
Product designation			Power contactor
Product type designation			DPBF09
Contact characteristics			
Number of poles		Nr.	3
Operational frequency			
,	min	Hz	25
	max	Hz	400
Mechanical features			
Operating position			
operating position	normal		Vertical plan
	allowable		±30°
	anomazio		Screw / DIN rail
Fixing			35mm
Weight		g	354
Operations		9	001
Mechanical life		cycles	20000000
Electrical life		cycles	2000000
Safety related data		Cycles	200000
Performance level B10d according to EN/ISO 13489-1			
renormance level blod according to E14/130-13409-1	rated load	ovelee	2000000
	mechanical load	cycles cycles	2000000
Mirror contate according to IEC/EN 600474 4 4	mechanicai load	cycles	
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating		V	24
Rated AC voltage at 50/60Hz			24
Rated AC voltage at 60Hz		V	120
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11	00
	min	%Us	80
	max	%Us	110
drop-out	_		
	min	%Us	20
		%Us	55
	max	/003	
of 50/60Hz coil powered at 60Hz	max	/003	
of 50/60Hz coil powered at 60Hz pick-up			
·	min	%Us	85
pick-up			85 110
·	min max	%Us %Us	110
pick-up	min	%Us %Us %Us	110 20
pick-up drop-out	min max	%Us %Us	110
pick-up drop-out of 60Hz coil powered at 60Hz	min max min	%Us %Us %Us	110 20
pick-up drop-out	min max min	%Us %Us %Us %Us	110 20 55
drop-out of 60Hz coil powered at 60Hz	min max min	%Us %Us %Us %Us	110 20 55 80
drop-out of 60Hz coil powered at 60Hz	min max min max	%Us %Us %Us %Us	110 20 55





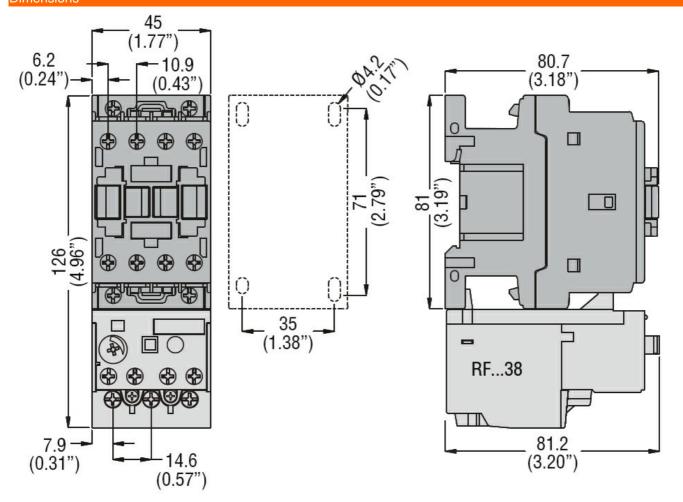
THREE-POLE CONTACTOR, FLA 20A, AC COIL 60HZ, 120VAC, 1NO AUXILIARY CONTACT

		min	%Us	20
		max	%Us	55
AC average coil con	sumption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding			W	2.5
Max cycles frequenc	•			
Mechanical operation	า		cycles/h	3600
Operating times				
Average time for Us				
	in AC			
	Closing NO			
		min	ms	8
	0 : 10	max	ms	24
	Opening NO			4.0
		min	ms	10
	Obs. See NO	max	ms	20
	Closing NC			4.4
		min	ms	14
	Opening NC	max	ms	28
	Opening NC	min	ms	7
		max	ms	18
UL technical data		IIIAX	1113	10
	A) for three-phase AC motor			
	y is an ee pridee ite meter	at 600V	Α	20
Locked rotor current	(LRA)	4.0001	A	120
Yielded mechanical				
Tiolada IIIdonambar	for single-phase AC motor			
	rer emgre pridee rie meter	110/120V	HP	1.5
		230V	HP	3
	for three-phase AC motor	2001		-
	13. a p	200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE				
	Contactor			
		AC current	Α	25
	Auxiliary contacts			
	•	AC voltage	V	600
		AC current	A	10
		DC voltage	V	250
		DC current	A	1
Short-circuit protection	on fuse, 600V	· · · · · · · · · · · · · · · · · · ·		
,	Standard fault			
		Short circuit current	kA	5
		<u> </u>		



THREE-POLE CONTACTOR, FLA 20A, AC COIL 60HZ, 120VAC, 1NO AUXILIARY CONTACT

	Fuse rating	Α	70
	Fuse class		RK5
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			

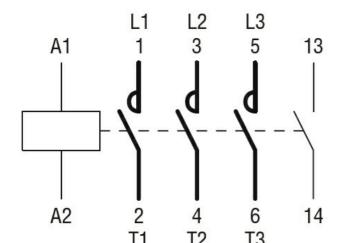


Wiring diagrams



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Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-7

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching