

THREE-POLE CONTACTOR, FLA 20A, AC COIL 60HZ, 24VAC, 1NO AUXILIARY CONTACT



Product designation			Power contactor
Product type designation			DPBF09
Contact characteristics		N.I.	3
Number of poles		Nr.	ა
Operational frequency	min	U≂	25
	min	Hz Hz	25 400
Mechanical features	max	ПZ	400
Operating position			
Operating position	n a rm al		\/ortical plan
	normal allowable		Vertical plan ±30°
	allowable		
Fixing			Screw / DIN rail 35mm
Weight		g	358
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	2000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	2000000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			yes
			7
EMC compatibility			yes
EMC compatibility AC coil operating			yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz		V	-
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz		V	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage			yes 24
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	%Us	yes 24 80
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max		yes 24
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	yes 24 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		%Us %Us %Us	yes 24 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	yes 24 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	yes 24 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	yes 24 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	yes 24 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us VA	yes 24 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz	max min max in-rush	%Us %Us %Us %Us	yes 24 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency	max min max in-rush	%Us %Us %Us %Us VA VA	yes 24 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	max min max in-rush	%Us %Us %Us %Us VA	yes 24 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times	max min max in-rush	%Us %Us %Us %Us VA VA	yes 24 80 110 20 55 75 9 2.5
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	max min max in-rush	%Us %Us %Us %Us VA VA	yes 24 80 110 20 55 75 9 2.5

Closing NO

min

ms

8

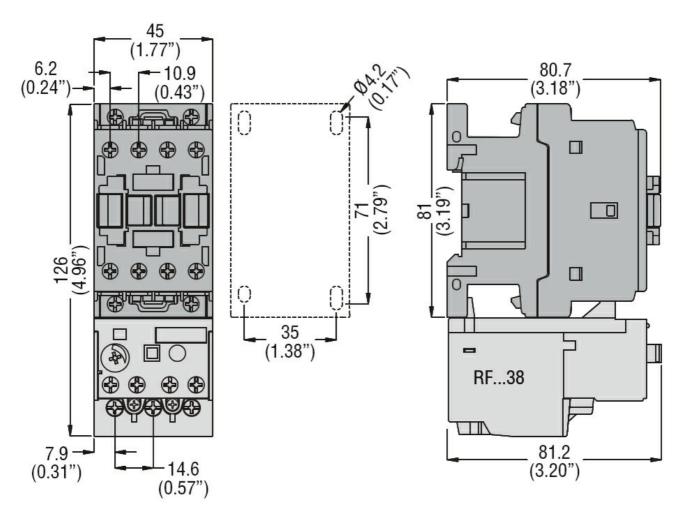




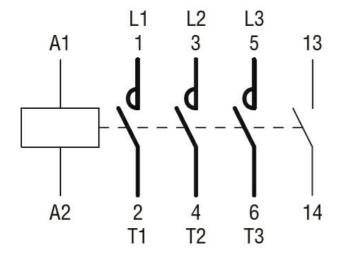
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				0.4		
	0	max	ms	24		
	Opening NO			4.0		
		min	ms	10		
		max	ms	20		
	Closing NC					
		min	ms	14		
		max	ms	28		
	Opening NC					
		min	ms	7		
		max	ms	18		
UL technical data						
Full-load current (FLA)	for three-phase AC motor					
		at 600V	Α	20		
Locked rotor current (L			Α	120		
Yielded mechanical pe	erformance					
	for single-phase AC motor					
		110/120V	HP	1.5		
		230V	HP	3		
	for three-phase AC motor					
		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	Α	10		
		DC voltage	V	250		
		DC current	Α	1		
Short-circuit protection	n fuse, 600V			_		
	Standard fault					
		Short circuit current	kA	5		
		Fuse rating	Α	70		
		Fuse class		RK5		
Contact rating of auxilia	ary contacts according to UL			A600 - P600		
Ambient conditions	,					
Temperature						
	Operating temperature					
	epotating temperature	min	°C	-50		
		max	°C	70		
	Storage temperature	max		. •		
	Storage temperature	min	°C	-60		
		max	°C	80		
Max altitude		IIIAX	m	3000		
Resistance & Protection						
Pollution degree	JII			3		
Dimensions				J		
Intensions						





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-6

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification



DPBF0910A02460

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ETIM 8.0

EC000066 -Power contactor, AC switching