

THREE-POLE CONTACTOR, FLA 20A, AC COIL 60HZ, 230VAC, 1NC AUXILIARY CONTACT



Product designation			Power contactor
Product type designation			DPBF09
Contact characteristics		N I.e	3
Number of poles		Nr.	ა
Operational frequency	min	Ш≂	25
	min	Hz	25
Machanical factures	max	Hz	400
Mechanical features			
Operating position			Vartical plan
	normal		Vertical plan ±30°
	allowable		
Fixing			Screw / DIN rail 35mm
Weight		g	352
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
EMC compatibility			yes
AC coil operating			yes
AC coil operating Rated AC voltage at 60Hz		V	-
AC coil operating		V	yes
AC coil operating Rated AC voltage at 60Hz		V	yes
AC coil operating Rated AC voltage at 60Hz AC operating voltage		<u> </u>	yes 230
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	%Us	yes 230 80
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max	<u> </u>	yes 230
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	yes 230 80 110
AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		%Us %Us %Us	yes 230 80 110 20
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 230 80 110
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 230 80 110 20
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 230 80 110 20 55
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 230 80 110 20 55
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 230 80 110 20 55
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 230 80 110 20 55
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 230 80 110 20 55 75 9 2.5
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 230 80 110 20 55 75 9 2.5
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 230 80 110 20 55 75 9 2.5
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 230 80 110 20 55 75 9 2.5

Closing NO

min

ms

8

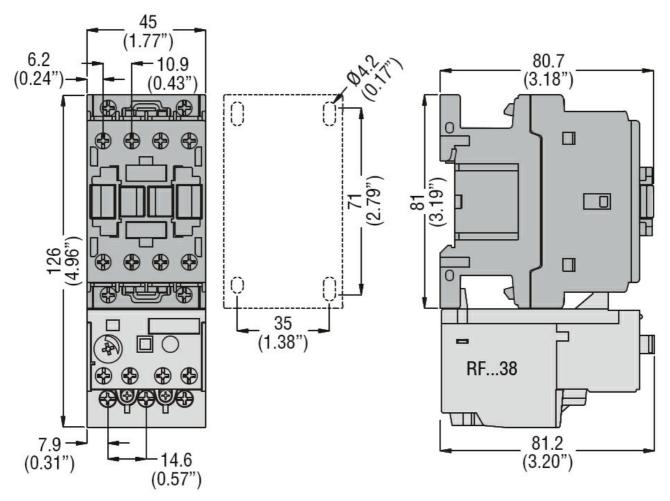




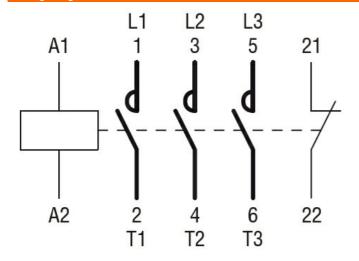
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		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
	Opening NC			
		min	ms	7
		max	ms	18
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 600V	Α	20
Locked rotor current (L	RA)		Α	120
Yielded mechanical per	formance			
•	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			
	, isomally contacte	AC voltage	V	600
		AC current	A	10
		DC voltage	V	250
		DC current	A	1
Short-circuit protection	fuse, 600V			<u> </u>
2 S S protoction	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	70
		Fuse class	, ,	RK5
Contact rating of auxilia	ry contacts according to UL	1 400 01400		A600 - P600
Ambient conditions				7,000 1,000
Temperature				
· omporataro	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	70
	Storage temperature	Παλ		
	Otorage temperature	min	°C	-60
			°C	-60 80
Max altitude		max		3000
Resistance & Protectio	n		m	3000
	· · · · · · · · · · · · · · · · · · ·			3
Pollution degree				3
Dimensions				





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-4

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification



DPBF0901A23060

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ETIM 8.0

EC000066 -Power contactor, AC switching