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Product designation Product type designation			Power contactor DPBF09
Contact characteristics			
Number of poles		Nr.	4
Operational frequency			
	min	Hz	25
	max	Hz	400
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	356
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	2000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	2000000
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
AC coil operating			
Rated AC voltage at 60Hz		V	24
Rated AC voltage at 60Hz AC operating voltage		V	24
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	24
Rated AC voltage at 60Hz AC operating voltage			
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	%Us	80
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	80 110
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	max	%Us %Us %Us	80 110 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	80 110
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us %Us	80 110 20
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	80 110 20 55
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 VA	80 110 20 55 75
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 VA	80 110 20 55 75 9
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 VA	80 110 20 55 75
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 VA	80 110 20 55 75 9 2.5
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	80 110 20 55 75 9 2.5
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 VA	80 110 20 55 75 9 2.5
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 Average time for Us control	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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 Average time for Us control in AC	max min max in-rush holding	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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 Average time for Us control	max min max in-rush holding	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5

DPBF09T4A02460 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

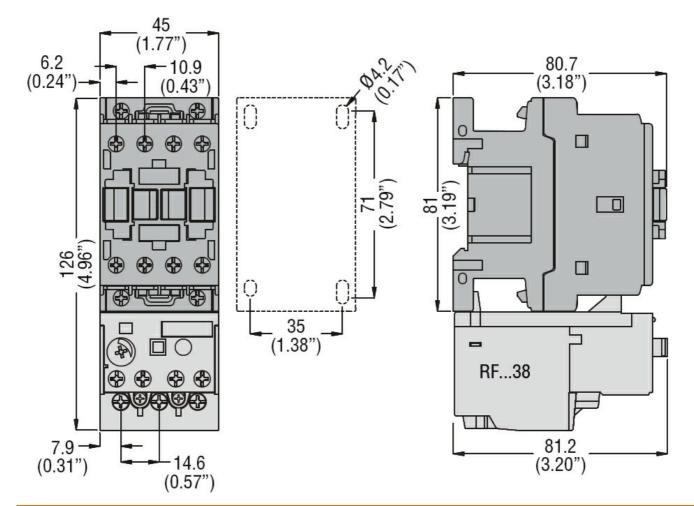
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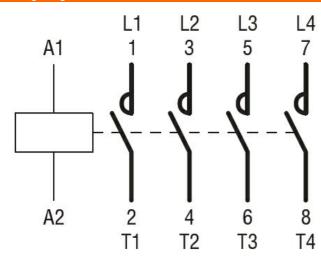
Lovato
electric
ENERGY AND AUTOMATION

		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 the	nree-phase AC motor			
		at 600V	Α	20
Locked rotor current (LRA)			Α	120
Yielded mechanical perform	ance			
fors	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				
Cor	ntactor			
		AC current	A	25
Short-circuit protection fuse				
Star	ndard fault			
		Short circuit current	kA	5
		Fuse rating	A	70
		Fuse class		RK5
Ambient conditions				
Temperature				
Ope	erating temperature			
		min	°C	-50
-		max	°C	70
Sto	rage temperature		• •	00
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				





Wiring diagrams



Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-12
	UL 60947-1
	UL 60947-4-1
Certificates	
	cULus
ETIM classification	



ETIM 8.0

DPBF09T4A02460 FOUR-POLE CONTACTOR, FLA 20A, AC COIL 60HZ, 24VAC

EC000066 -Power contactor, AC switching