

THREE-POLE CONTACTOR, FLA 30A, AC COIL 60HZ, 24VAC, 1NO AUXILIARY CONTACT



Contact characteristics Number of poles Nr. 3 Operational frequency min Hz 25 max Lz 400 Mechanical features Hz 400 Mechanical features Operating position normal allowable ± 30° Screw /DIN rail 35mm Fixing Screw /DIN rail 35mm Screw /DIN rail 35mm Screw /DIN rail 35mm Weight g 356 35mm Operations Operations Screw /DIN rail 35mm Mechanical life cycles 20000000 College of 600000 20000000 College of 600000 College of 60000	Product designation				Power contactor
Number of poles Nr. 3 Operational frequency min max Hz branch and the property of the property of the policy of	Product type designation				DPBF18
Operational frequency min max Hz bit					
Mechanical features Mechanical features Operating position normal allowable Vertical plan ±30° Fixing Screw / DIN rail allowable ±30° Fixing Screw / DIN rail allowable \$5mm Weight g 356 35mm Mechanical life cycles 20000000 Electrical life cycles 1600000 Safety related data rated load cycles 1600000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 yes yes EMC compatibility yes yes AC coll operating V 24 AC operating voltage of 60Hz coil powered at 60Hz pick-up min %Us 80 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush will will be control xes yes AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush will be control xes yes Dissipation at holding ≤20°C 50Hz w z.5 xes Mechanical operation cycl				Nr.	3
Mechanical features Operating position normal allowable "Vertical plan ±30" Fixing Screw / DIN rail 35mm Weight g 356 Operating Department cycles 20000000 Blectrical life cycles 20000000 Safety related data rated load mechanical load cycles 1600000 Performance level B10d according to EN/ISO 13489-1 rated load mechanical load cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 yes 20000000 Mirror contats according to IEC/EN 609474-4-1 yes yes AC compatibility yes 24 AC operating voltage yes 4 AC operating voltage min %Us 80 AC operating voltage min %Us 80 AC average coil consumption at 20°C min %Us 20 AC average coil consumption at 20°C in-rush holding %U 25 Dissipation at holding ≤20°C 50Hz in-rush holding %U 25 Max cycles frequency we 25 </td <td>Operational frequency</td> <td></td> <td></td> <td></td> <td></td>	Operational frequency				
Mechanical features Operating position normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm Weight g 356 Operations cycles 20000000 Blechrical life cycles 1600000 Safety related data rated load cycles 1600000 Performance level B10d according to EN/ISO 13489-1 g cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 yes 20000000 Mirror contats according to IEC/EN 609474-4-1 yes yes EMC compatibility yes AC coil operating Rated AC voltage at 60Hz V 24 24 AC operating voltage of 60Hz coil powered at 60Hz pick-up min yes yus 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush yes yus 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush holding yes yus 55 AC average frequency w 2.5 yus 25 Macchanical operation cycles/h 3600 yus 25 <t< td=""><td></td><td></td><td>min</td><td>Hz</td><td>25</td></t<>			min	Hz	25
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Normal allowable Section Sect	Mechanical features				
Fixing allowable ± 30° Fixing Screw / DIN rail 35mm Weight g 356 Operations Step 1000000 1000000 Bechanical life cycles 20000000 Safety related data Tated load cycles 1600000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 200000000 Mirror contats according to IEC/EN 609474-4-1 yes 20000000 EMC compatibility yes 2 AC operating yes 4 AC operating voltage y 24 AC operating voltage of 60Hz coil powered at 60Hz y 24 AC average coil consumption at 20°C min %Us 80 max %Us 55 AC average coil consumption at 20°C foldz in-rush V 2 AC average coil consumption at 20°C foldz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2,5 Max cycles frequenc	Operating position				
Fixing Screw / DIN rail 35mm Weight g 356 Operations Mechanical life cycles 20000000 Electrical life cycles 1600000 Safety related data Performance level B10d according to EN/ISO 13489-1 Frated load cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility yes EMC compatibility yes AC coll operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 1110 drop-out min %Us 80 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush holding ≤0°C 50Hz Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control			normal		Vertical plan
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Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load cycles 1600000 2000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating V 24 Rated AC voltage at 60Hz V 24 AC operating voltage min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush holding VA 75 bolding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control Average time for Us control Average time for Us control	Electrical life				
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mrated load mechanical load cycles 20000000 cycles 200000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating yes Rated AC voltage at 60Hz V 24 AC operating voltage min 60Hz coil powered at 60Hz pick-up pick-up min 60Hz 60Hz 60Hz 60Hz 60Hz 60Hz 60Hz 60Hz	•	g to EN/ISO 13489-1			
Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating V 24 Rated AC voltage at 60Hz V 24 AC operating voltage min %Us 80 pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control			rated load	cycles	1600000
Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating Rated AC voltage at 60Hz AC operating voltage min %Us 80 max %Us 110 max %Us 110 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency w 2.5 Mechanical operation cycles/h 3600 Operating times Average time for Us control			mechanical load	-	20000000
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AC coil operating Rated AC voltage at 60Hz V 24 AC operating voltage min %Us 80 max %Us 110 drop-out 110 min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control					
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of 60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control					
pick-up min max %Us black with with state with sta		oil powered at 60Hz			
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drop-out drop-out min		1 2 21	min	%Us	80
drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control			max		
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MAC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush holding VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency W 2.5 Mechanical operation cycles/h 3600 Operating times Average time for Us control			min	%Us	20
AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control			max		
of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control	AC average coil consumption at 2	0°C			
in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control					
holdingVA9Dissipation at holding ≤20°C 50HzW2.5Max cycles frequencyMechanical operationcycles/h3600Operating timesAverage time for Us control		, , , , , , , , , , , , , , , , , , ,	in-rush	VA	75
Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control					
Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control	Dissipation at holding ≤20°C 50Hz	<u>,</u>			
Mechanical operation cycles/h 3600 Operating times Average time for Us control					
Operating times Average time for Us control				cycles/h	3600
Average time for Us control	·				
·					
in AC	in AC				

Closing NO

min

ms

8



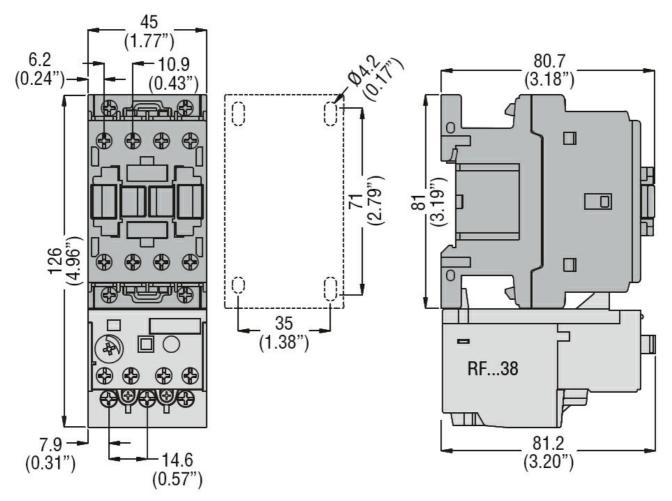


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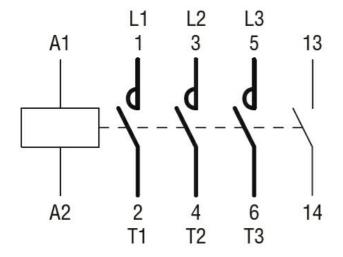
				24
	On anima NO	max	ms	24
	Opening NO	min		10
		min	ms	10
	Olasias NO	max	ms	20
	Closing NC	min		1.4
		min	ms	14
	Opening NC	max	ms	28
	Opening NC	min	mo	7
		min	ms	7
UL technical data		max	ms	18
	for three phase AC mater			
Full-load current (FLA)	for three-phase AC motor	~+ COO\/	۸	20
L L L (DA	at 600V	A	30
Locked rotor current (I	•		Α	180
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	2
		230V	HP	5
	for three-phase AC motor			
		200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE				
	Contactor			
		AC current	Α	32
	Auxiliary contacts			
		AC voltage	V	600
		AC current	Α	10
		DC voltage	V	250
		DC current	A	
Short-circuit protection				
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	100
		Fuse class		RK5
	ary 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	on			
Pollution degree				3
Dimensions				







Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-35

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification



DPBF1810A02460

THREE-POLE CONTACTOR, FLA 30A, AC COIL 60HZ, 24VAC, 1NO AUXILIARY CONTACT

ETIM 8.0

EC000066 -Power contactor, AC switching