

# THREE-POLE CONTACTOR, FLA 25A, AC COIL 60HZ, 230VAC, 1NO AUXILIARY CONTACT



Product designation Product type designation			Power contactor DPBF12
Contact characteristics			
Number of poles		Nr.	3
Operational frequency			
	min	Hz	25
	max	Hz	400
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	362
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			
Rated AC voltage at 60Hz		V	230
AC operating voltage			
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		W	2.5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us control			
in AC			

Closing NO

min

ms

8

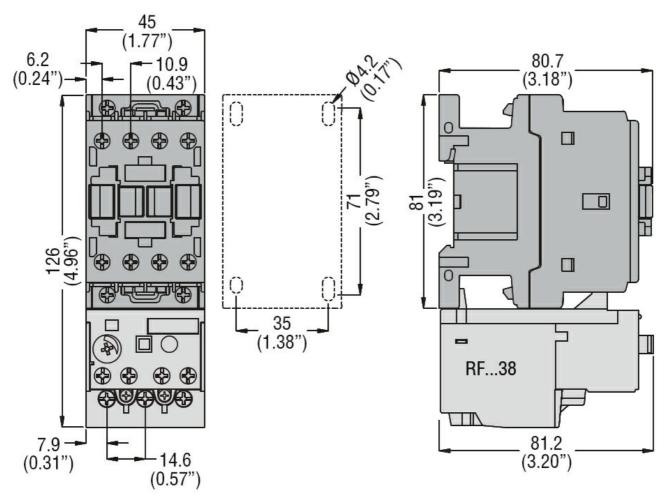




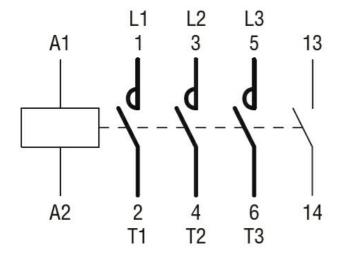
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Copening NO					
Main			max	ms	24
Closing NC		Opening NO			
Closing NC			min	ms	10
Mini ms			max	ms	20
Max		Closing NC			
Name			min	ms	14
Max at National Service   Max at Servi			max	ms	28
Max   Mis   Mis		Opening NC			
Value   Contact   Contac			min	ms	7
Full-load current (FLA) for three-phase AC motor   at 600V			max	ms	18
At 600V   A   25	UL technical data				
At 600V   A   25	Full-load current (FLA)	for three-phase AC motor			
Yielded mechanical performance for single-phase AC motor           110/120V HP 2 2 230V HP 3           for three-phase AC motor           200/208V HP 5 5 220/230V HP 5 460/480V HP 10 575/600V HP 15           General USE           Contactor         AC current A 28           Auxiliary contacts         AC voltage AC current A 10 DC voltage AC current A 10 DC voltage DC current A 1           Short-circuit protection fuse, 600V           Standard fault           Short-circuit current Fuse rating Fuse class RK5           Contact rating of auxiliary contacts according to UL           A 80 Fuse class RK5           Contact rating of auxiliary contacts according to UL           Ambient conditions         Temperature           Operating temperature           min °C -50 max °C 70           Storage temperature           min °C -60 max °C 80           Max altitude         min °C -60 max °C 80           Max altitude         min °C 80         60         80         Max altitude           Resistance & Protection           Pollution degree <td></td> <td>·</td> <td>at 600V</td> <td>Α</td> <td>25</td>		·	at 600V	Α	25
Yielded mechanical performance for single-phase AC motor           110/120V HP 2 2 230V HP 3           For three-phase AC motor           200/208V HP 5 5 220/230V HP 5 480/480V HP 10 575/600V HP 15           General USE           Contactor         AC current A 28           Auxiliary contacts         AC voltage AC current A 10 DC voltage AC current A 10 DC voltage DC current A 1           Short-circuit protection fuse, 600V           Standard fault           Short circuit current Fuse rating Fuse rating A 80 Fuse class RK5           Contact rating of auxiliary contacts according to UL           Ambient conditions           Temperature           Operating temperature           min °C -50 max °C 70           Storage temperature           min °C -60 max °C 80           Max altitude         min °C -60 max °C 80           Resistance & Protection           Pollution degree           A 80 max 80	Locked rotor current (L	.RA)			
For single-phase AC motor   110/120V					
110/120V					
Parameter   Para			110/120V	HP	2
For three-phase AC motor					
Contactor		for three-phase AC motor	2001		
Contactor		10. three phase //e motor	200/208\/	HP	5
Marie   Mari					
Contactor					
Contactor					
Contactor   AC current	General LISE		37 3/000 V	1 11	10
AC current	General OSL	Contactor			
Auxiliary contacts		Contactor	AC ourront	۸	20
AC voltage		Audionopoto	AC current	A	20
AC current   A   10     DC voltage   V   250     DC current   A   1     Short-circuit protection fuse, 600V     Standard fault     Short circuit current   KA   5     Fuse rating   A   80     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		Auxiliary contacts	A.C. voltage	17	600
DC voltage DC current					
DC current					
Short-circuit protection fuse, 600V   Standard fault   Short circuit current   Fuse rating   A   80   Fuse class   RK5			_		
Standard fault	01 - 4 - 2 - 2 4 4 4	( 000)/	DC current	A	1
Short circuit current   KA   5   Fuse rating   A   80   Fuse class   RK5	Snort-circuit protection				
Fuse rating Fuse class		Standard fault			-
Fuse class   RK5					
Contact rating of auxiliary contacts according to UL         A600 - P600           Ambient conditions           Temperature           Min °C -50 max °C 70           Storage temperature           min °C -60 max °C 80           Max altitude         m 3000           Resistance & Protection           Pollution degree         3			<u> </u>	Α	
Ambient conditions			Fuse class		
Operating temperature		ary contacts according to UL			A600 - P600
Operating temperature           min or company					
min max         °C -50 max         -50 70           Storage temperature         min °C -60 max         °C 80           Max altitude         m 3000           Resistance & Protection         S         3	Temperature				
max         °C         70           Storage temperature           min or C result of max         °C result of max         80           Max altitude         m         3000           Resistance & Protection         3           Pollution degree         3		Operating temperature			
Storage temperature           min max         °C or -60 or			min		
min max         °C -60 max         -60 80           Max altitude         m 3000           Resistance & Protection         3           Pollution degree         3			max	°C	70
Max altitudemax°C80Mesistance & Protectionm3000Pollution degree3		Storage temperature			
Max altitude m 3000 Resistance & Protection Pollution degree 3			min		
Resistance & Protection Pollution degree 3			max	°C	
Pollution degree 3				m	3000
		on			
Dimensions					3
	Dimensions				





## Wiring diagrams



#### Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-24

UL 60947-1

UL 60947-4-1

Certificates

cULus

#### ETIM classification



### DPBF1210A23060

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ETIM 8.0

EC000066 -Power contactor, AC switching