

**ENERGY AND AUTOMATION** 

### THREE-POLE CONTACTOR, FLA 25A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT



Product designation Product type designat	tion			Power contactor DPBF12
Contact characteristic	S			
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	360
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	2000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	2000000
	150/51/200454	mechanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC soil operating				
AC coil operating	50/60H-z		V	24
Rated AC voltage at 5	50/60Hz		V	24
			V	24
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	24
Rated AC voltage at 5		min		
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min max	%Us	80
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max		
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		%Us	80
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max	%Us %Us	80 110
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 85 110
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max  min max  min max	%Us %Us %Us %Us %Us	80 110 20 55 85 110
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 85 110
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max  min max  min max	%Us %Us %Us %Us %Us	80 110 20 55 85 110
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 85 110 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 85 110 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 85 110 20 55



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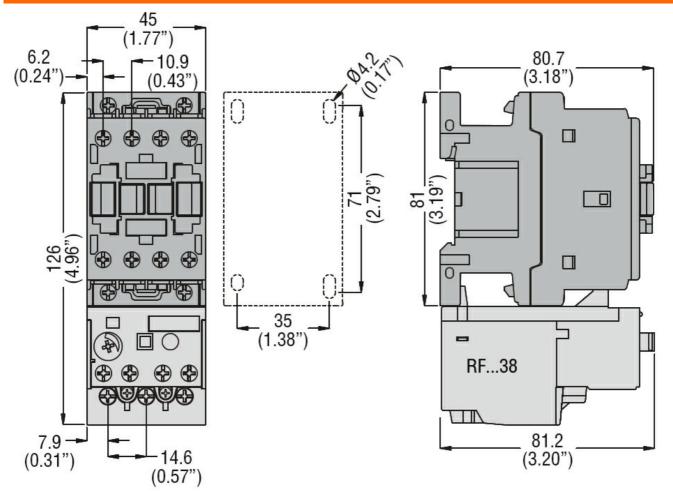
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holdir	-		W	2.5
lax cycles frequen	•			
lechanical operation	n		cycles/h	3600
Operating times				
verage time for Us				
	in AC			
	Closin			_
		min	ms	8
		max	ms	24
	Openir			
		min	ms	10
	<b>~</b> :	max	ms	20
	Closin			4.4
		min	ms	14
	•	max	ms	28
	Openir			_
		min	ms	7
United State State		max	ms	18
JL technical data	A) for the constant A O control			
ull-load current (Fi	_A) for three-phase AC motor	ot 600V	٨	25
aakad ratar aurran	+ /I D A \	at 600V	A A	25 150
ocked rotor curren			A	150
'ielded mechanical				
	for single-phase AC motor	110/120V	HP	2
		230V	HP	2 3
	for three phase AC mater	230 V	ПР	3
	for three-phase AC motor	200/208V	ЦΒ	5
		200/208V 220/230V	HP HP	5
		460/480V	HP	10
		575/600V	HP	15
Seneral USE		575/600V	ПР	10
Jeneral USE	Contactor			
	Contactor	AC current	Α	28
	Auxiliany contacts	AC current	^	20
	Auxiliary contacts	AC voltage	V	600
		AC voltage AC current	V A	10
		DC voltage	V	250
		DC voltage DC current	V A	1
hort-circuit protect	ion fuse 600\/	DC current	A	1
Short-circuit protect	Standard fault			
	Standard fault	Short circuit current	kA	5
		Fuse rating	KA A	80
		Fuse class	A	RK5
Contact rating of ac-	viliary contacts according to LII	ruse class		A600 - P600
contact rating of au imbient conditions	xiliary contacts according to UL			A000 - P000
emperature	Operating temperature			
	Operating temperature		°C	<b>5</b> 0
		min	C	-50

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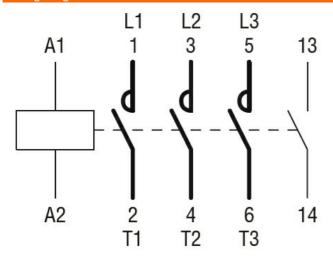
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	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
D			

#### **Dimensions**



# Wiring diagrams



## Certifications and compliance

### Compliance



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### DPBF1210A024

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CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-21

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching