



**ENERGY AND AUTOMATION** 

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

Product type designation  Contact characteristics  Number of poles  Operational frequency  mir  max  Mechanical features  Operating position		DPBG12
Number of poles Operational frequency  mir  max  Mechanical features Operating position	ı Hz	3
Operational frequency  mir  max  Mechanical features  Operating position	ı Hz	
Mechanical features Operating position		
Mechanical features Operating position		25
Operating position	. 112	400
norma		
allowable		Vertical plan ±30°
Fixing		Screw / DIN rail 35mm
Weight	g	180
Operations		
Mechanical life	cycles	20000000
Electrical life	cycles	500000
Safety related data		
Performance level B10d according to EN/ISO 13489-1		500000
rated load	,	500000
Mirror contate according to IFC/FN 600474.4.1	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1  EMC compatibility		yes
AC coil operating		yes
Rated AC voltage at 50/60Hz	V	24
AC operating voltage		
of 50/60Hz coil powered at 50Hz		
pick-up		
mir	%Us	75
max	: %Us	115
drop-out		
mir	%Us	20
max	%Us	55
of 50/60Hz coil powered at 60Hz		
pick-up		
mir		80
max dvan aut	%Us	115
drop-out	0/116	20
mir max		20 55
AC average coil consumption at 20°C	/005	55
of 50/60Hz coil powered at 50Hz		
in-rush	ı VA	30
holding		4
of 50/60Hz coil powered at 60Hz		<u> </u>
in-rush	. VA	25
holding		3
of 60Hz coil powered at 60Hz		
in-rush	ı VA	30
holding	) VA	4
Dissipation at holding ≤20°C 50Hz	W	0.95
Dissipation at holding 320 C 30112		
Max cycles frequency Mechanical operation	cycles/h	





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Operating times						
Average time for Us	control					
-	in AC					
		Closing NO				
		<b>U</b>	min	ms	12	
			max	ms	21	
		Opening NO				
			min	ms	9	
			max	ms	18	
		Closing NC				
			min	ms	17	
			max	ms	26	
		Opening NC				
			min	ms	7	
	. 50		max	ms	17	
	in DC	01 : 110				
		Closing NO	<b>:</b>		4.0	
			min	ms	18	
		Opening NO	max	ms	25	
		Opening NO	min	me	2	
			min may	ms me	2 3	
		Closing NC	max	ms	3	
		Closing NC	min	ms	3	
			max	ms	5	
		Opening NC	max	1110	Ü	
		opogo	min	ms	11	
			max	ms	17	
UL technical data						
Full-load current (FL	_A) for three-phase	AC motor				
			at 480V	Α	11	
			-+ 0001/		4.4	
Locked rotor curren	t (LRA)		at 600V	Α	11	
Yielded mechanical	- (		at 600 v	A A	11 84	
	· /		at 600V			
	· /	ee AC motor			84	
	performance	ee AC motor	110/120V	A HP	0.5	
	performance for single-phas			А	84	
	performance		110/120V 230V	A HP HP	0.5 1.5	
	performance for single-phas		110/120V 230V 200/208V	A HP HP	0.5 1.5	
	performance for single-phas		110/120V 230V 200/208V 220/230V	HP HP HP	0.5 1.5 3 3	
	performance for single-phas		110/120V 230V 200/208V 220/230V 460/480V	A HP HP HP HP	0.5 1.5 3 3 7.5	
	performance for single-phas		110/120V 230V 200/208V 220/230V	HP HP HP	0.5 1.5 3 3	
General USE	performance for single-phase for three-phase		110/120V 230V 200/208V 220/230V 460/480V	A HP HP HP HP	0.5 1.5 3 3 7.5	
General USE	performance for single-phas		110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 3 3 7.5 10	
	performance for single-phase for three-phase  Contactor		110/120V 230V 200/208V 220/230V 460/480V	A HP HP HP HP	0.5 1.5 3 3 7.5	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V		110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 3 3 7.5 10	
	performance for single-phase for three-phase  Contactor		110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	A HP HP HP HP HP A	0.5 1.5 3 3 7.5 10	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V		110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	A HP HP HP HP A	0.5 1.5 3 3 7.5 10	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V		110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	A HP HP HP HP HP A	0.5 1.5 3 3 7.5 10 20	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V High fault		110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	A HP HP HP HP A	0.5 1.5 3 3 7.5 10	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V		110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current  Short circuit current Fuse rating Fuse class	A HP HP HP HP A	0.5 1.5 3 3 7.5 10 20	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V High fault		110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current  Short circuit current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A kA A	0.5 1.5 3 3, 7.5 10 20 100 30 J	
General USE Short-circuit protect	performance for single-phase for three-phase  Contactor  ion fuse, 600V High fault		200/208V 220/230V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class  Short circuit current Fuse rating Fuse rating	A HP HP HP HP A	84 0.5 1.5 3 3.7.5 10 20 100 30 J	
	performance for single-phase for three-phase  Contactor  ion fuse, 600V High fault		110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current  Short circuit current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A kA A	0.5 1.5 3 3, 7.5 10 20 100 30 J	



89.2 -(3.51")



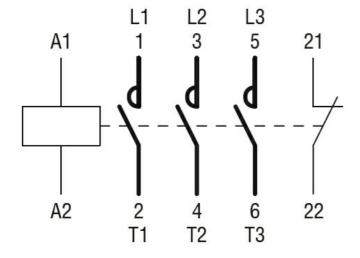
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(1.73")

Contact rating of auxiliary contacts according to UL			A600 - Q600
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
Dimensions			
4.4 (0.17") (0.17") (0.17") (0.33") (0.38") (1.37") (0.38") (1.37")	44 (1.73") (1.73") (1.37") (0.12") (0.12") (1.37") (0.12")	(2.28")	RF9 7.6 (0.30")

## 8.5 (0.33") Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-76

UL 60947-1

UL 60947-4-1

Certificates

cULus

## ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching