



ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, FLA 14A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

Product designation Product type designation			Power contactor DPBG12
Contact characteristics Number of poles		Nr.	3
Operational frequency		141.	
	min	Hz	25
Mechanical features	max	Hz	400
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight Operations		g	180
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data Performance level B10d according to EN/ISO 13489-1			
renormance level brod according to EN/ISO 15469-1	rated load	cycles	500000
r	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1		•	Yes
EMC compatibility AC coil operating			yes
Rated AC voltage at 50/60Hz		V	24
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up	min	%Us	75
	max	%Us	115
drop-out		,,,,,	
	min	%Us	20
- (50/00H	max	%Us	55
of 50/60Hz coil powered at 60Hz pick-up			
ριοκ-αρ	min	%Us	80
	max	%Us	115
drop-out			
	min	%Us	20
AC average coil consumption at 20°C	max	%Us	55
of 50/60Hz coil powered at 50Hz			
5. 55/55/. <u> </u>	in-rush	VA	30
	holding	VA	4
of 50/60Hz coil powered at 60Hz			0.5
	in-rush	VA VA	25 3
of 60Hz coil powered at 60Hz	holding	VA	<u> </u>
5. 501 12 5011 poworod at 501 12	in-rush	VA	30
	holding	VA	4
Dissipation at holding ≤20°C 50Hz		W	0.95
Max cycles frequency		ovelos/b	2600
Mechanical operation		cycles/h	3000





THREE-POLE CONTACTOR, FLA 14A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

Operating times					
Average time for U	s control				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
		Closing NC	max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC			
		1 3	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
		On anima NO	max	ms	25
		Opening NO	min	mc	2
			max	ms ms	3
		Closing NC	IIIdX	1113	3
		Glooming in the	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data Rated operational v	(oltage AC (LIL)			V	600
	LA) for three-phase	AC motor		v	000
i dii lodd cdifciil (i	LA) for tillee priase				
,			at 480V	Α	11
`			at 480V at 600V	A A	11 11
	nt (LRA)		at 480V at 600V	Α	11
Locked rotor currer					
Locked rotor currer Yielded mechanica	l performance			Α	11
Locked rotor currer				Α	11
Locked rotor currer	l performance for single-phas	e AC motor	at 600V	A A	11 84
Locked rotor currer	l performance	e AC motor	at 600V 110/120V 230V	A A HP HP	11 84 0.5 1.5
Locked rotor currer	l performance for single-phas	e AC motor	at 600V 110/120V 230V 200/208V	A A HP HP	11 84 0.5 1.5
Locked rotor currer	l performance for single-phas	e AC motor	200/208V 220/230V	A A HP HP HP	11 84 0.5 1.5
Locked rotor currer	l performance for single-phas	e AC motor	200/208V 220/230V 460/480V	A A HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	l performance for single-phas	e AC motor	200/208V 220/230V	A A HP HP HP	11 84 0.5 1.5
Locked rotor currer	I performance for single-phas for three-phase	e AC motor	200/208V 220/230V 460/480V	A A HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	l performance for single-phas	e AC motor	200/208V 220/230V 200/480V 575/600V	A A HP HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	I performance for single-phase for three-phase Contactor	e AC motor	200/208V 220/230V 460/480V	A A HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	I performance for single-phase for three-phase Contactor tion fuse, 600V	e AC motor	200/208V 220/230V 200/480V 575/600V	A A HP HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	I performance for single-phase for three-phase Contactor	e AC motor	200/208V 220/230V 200/480V 575/600V	A A HP HP HP HP	11 84 0.5 1.5 3 3 7.5
Locked rotor currer Yielded mechanica	I performance for single-phase for three-phase Contactor tion fuse, 600V	e AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	A A HP HP HP HP HP A	11 84 0.5 1.5 3 3 7.5 10
Locked rotor currer Yielded mechanica	l performance for single-phase for three-phase Contactor tion fuse, 600V High fault	e AC motor	200/208V 220/230V 460/480V 575/600V AC current	A A HP HP HP HP HP KA	11 84 0.5 1.5 3 3 7.5 10
Locked rotor currer Yielded mechanica	I performance for single-phase for three-phase Contactor tion fuse, 600V	e AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class	A A HP HP HP HP HP A	11 84 0.5 1.5 3 3 7.5 10 20
Locked rotor currer Yielded mechanica	l performance for single-phase for three-phase Contactor tion fuse, 600V High fault	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current Fuse rating	A A HP HP HP HP HP KA	11 84 0.5 1.5 3 3 7.5 10 20



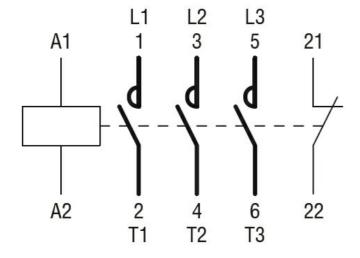
ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, FLA 14A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

(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") (2.24") (2.24") (0.33") (0.33") (0.38") (1.37")	44 (1.73") (1.73") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37")	(2.28") 5	57 .24") RF9

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

-7.6 (0.30")

89.2 -(3.51")