

Product designation			Power contactor
Product type designation			DPBF12
Contact characteristics			
Number of poles		Nr.	3
Operational frequency			
	min	Hz	25
Mechanical features	max	Hz	400
Operating position			
Operating position	normal		Vertical plan
	allowable		±30°
- Finite a			Screw / DIN rail
Fixing			35mm
Weight		g	490
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	2000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1	mechanical load	cycles	2000000
EMC compatibility			yes
AC coil operating			yes
Rated AC voltage at 60Hz		V	230
AC operating voltage		· ·	
of 50/60Hz coil powered at 50Hz			
drop-out			
	max	%Us	0
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0/11-	0.0
	min	%Us %Us	20 55
AC average coil consumption at 20°C	max	%05	55
of 60Hz coil powered at 60Hz			
	in-rush	VA	75
	holding	VA	9
Dissipation at holding ≤20°C 50Hz		W	2.5
DC coil operating			
DC rated control voltage		V	24
DC operating voltage			
pick-up			
	min	%Us	70
	max	%Us	125
drop-out			10
	min	%Us	10
Average soil consumption <20°C	max	%Us	40
Average coil consumption ≤20°C			
	in wish	147	E /
	in-rush holding	W W	5.4 5.4

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Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC **Closing NO** min ms 8 24 max ms **Opening NO** 10 min ms 20 max ms **Closing NC** min ms 14 28 max ms **Opening NC** min 7 ms 18 max ms in DC **Closing NO** 54 min ms 66 max ms **Opening NO** 14 min ms 17 max ms Closing NC 24 min ms 30 max ms **Opening NC** 47 min ms 57 max ms UL technical data Full-load current (FLA) for three-phase AC motor at 600V 25 А Locked rotor current (LRA) А 150 Yielded mechanical performance for single-phase AC motor 110/120V HP 2 230V ΗP 3 for three-phase AC motor 200/208V HP 5 HP 5 220/230V 460/480V HP 10 575/600V HP 15 General USE Contactor AC current А 28 Auxiliary contacts AC voltage V 600 AC current А 10 DC voltage V 250 DC current А 1

Short-circuit protection fuse, 600V Standard fault

Short circuit current kA

5



DPBF1201D024 THREE-POLE CONTACTOR, FLA 25A, DC COIL, 24VDC, 1NC AUXILIARY CONTACT

Fuse rating А 80 RK5 Fuse class Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Operating temperature °C -50 min °C 70 max Storage temperature °C min -60 °C 80 max Max altitude 3000 m Resistance & Protection 3 Pollution degree Dimensions 45 (1.77") 6.2 80.7 10.9 (0.24")(3.18")0.43'()<u>81</u> (3.19["] 2.79' 126,4.96 35 (1.38") -RF...38 68 81.2 (3.20") 7.9-

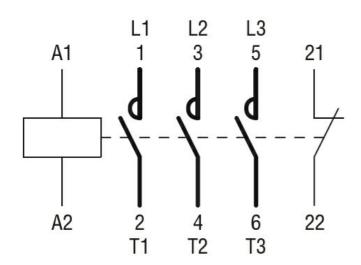
Wiring diagrams

(0.31")

14.6

(0.57")

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Certifications and compliance ...

Compliance		
	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-4-20	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	cULus	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,

AC switching