

Product designation	Power contactor				
Product type designation	DPBF12				
Contact characteristics					
Number of poles	Nr. 3				
Operational frequency	min	Hz	25		
	max	Hz	400		
Mechanical features					
Operating position	normal	allowable	Vertical plan ±30°		
Fixing	Screw / DIN rail 35mm				
Weight	g	359			
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 contacts according to IEC/EN 609474-4-1 annex F	Yes				
EMC compatibility	yes				
AC coil operating					
Rated AC voltage at 60Hz	V	120			
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		
	max	ms	24		
Opening NO	min	ms	10		
	max	ms	20		
Closing NC	min	ms	14		
	max	ms	28		
Opening NC					

	min	ms	7
	max	ms	18
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 600V	A	25
Locked rotor current (LRA)		A	150
Yielded mechanical performance			
for single-phase AC motor			
	110/120V	HP	2
	230V	HP	3
for three-phase AC motor			
	200/208V	HP	5
	220/240V	HP	5
	460/480V	HP	10
	575/600V	HP	15
General USE			
Contactor			
	AC current	A	28
Auxiliary contacts			
	AC voltage	V	600
	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
ETIM classification			
ETIM 8.0			
	EC000066 - Power contactor, AC switching		