

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	362			
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	230			
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			
Rated operational voltage AC (UL)			V 600
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			
High fault			Short circuit current kA 100
			Fuse rating A 30
			Fuse class J
Standard fault			Short circuit current kA 5
			Fuse rating A 70
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			EC000066 - Power contactor, AC switching
ETIM 8.0			