

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		Vertical plan		
	allowable		±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 50/60Hz	V	24			
Rated AC voltage at 60Hz	V	230			
AC operating voltage					
of 50/60Hz coil powered at 50Hz					
pick-up	min	%Us	80		
	max	%Us	110		
drop-out	min	%Us	20		
	max	%Us	55		
of 50/60Hz coil powered at 60Hz					
pick-up	min	%Us	85		
	max	%Us	110		
drop-out	min	%Us	20		
	max	%Us	55		
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 50/60Hz coil powered at 50Hz	in-rush	VA	75		
	holding	VA	9		
of 50/60Hz coil powered at 60Hz					

of 60Hz coil powered at 60Hz	in-rush holding	VA	70
		VA	6.5
Dissipation at holding $\leq 20^{\circ}\text{C}$ 50Hz	in-rush holding	VA	75
		VA	9
		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			
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			EC000066 - Power contactor, AC switching
ETIM 8.0			