

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 mechanical load	cycles	2000000
			cycles	20000000
Mirror contats 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 holding	VA	75
			VA	9
of 50/60Hz coil powered at 60Hz				

	in-rush	VA	70
	holding	VA	6.5
of 60Hz coil powered at 60Hz			
	in-rush	VA	75
	holding	VA	9
Dissipation at holding $\leq 20^{\circ}\text{C}$ 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			
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