

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 contats 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
		drop-out		
		max	%Us	110
		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