

DPBG1210A12060

Product designation Product type designati				Power contactor DPBG12
Contact characteristics	3			
Number of poles			Nr.	3
Operational frequency				
		min	Hz	25
		max	Hz	400
Mechanical features				
Operating position				
oporating poolition		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	180
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	2000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility	5			yes
AC coil operating				,
Rated AC voltage at 6	0Hz		V	120
AC operating voltage			v	120
AC operating voltage	of COLIZ and nowared at COLIZ			
	of 60Hz coil powered at 60Hz			
	pick-up		0/11	
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz	3_		
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz	lioiding		-
		in-rush	VA	30
		holding	VA VA	4
Dissipation at holding :	<20°C 50H-	noiuing	 W	0.95
			VV	0.80
Max cycles frequency				
			au (al a - /l	2000
Mechanical operation			cycles/h	3600
Mechanical operation Operating times			cycles/h	3600
Mechanical operation			cycles/h	3600
Mechanical operation Operating times	in AC		cycles/h	3600
Mechanical operation Operating times			cycles/h	3600
Mechanical operation Operating times	in AC	min	cycles/h ms	3600
Mechanical operation Operating times	in AC	min max		
Mechanical operation Operating times	in AC		ms	12

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THREE-POLE CONTACTOR, FLA 25A, AC COIL 60HZ, 120VAC, 1NO AUXILIARY CONTACT

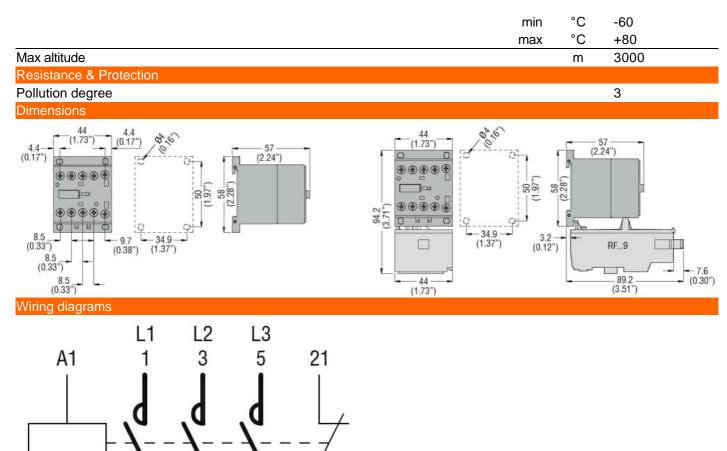
Image: Second			min	ms	9
min max ms 17 max ms 26 min ms 7 max ms 17 in DC Closing NO min ms 17 in DC Closing NO min ms 18 Opening NO min ms 2 Min ms 2 1 Closing NC min ms 3 Closing NC min ms 3 Opening NC min ms 11 max ms 5 0 1 Opening NC min ms 11 max ms 11 1 Closing NC min ms 11 Min ms 11 1 1 Min ms 11 1 1 Closing NC at 480V A 11 Closing NC at 480V A 11 Cock			max	ms	18
Image: Section of the sectio		Closing NC			
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min ms 7 in DC Closing NO min ms 18 max ms 25 Opening NO min ms 2 Closing NO min ms 2 ms 3 Closing NC min ms 3 11 Opening NC min ms 5 0 max ms 5 0 11			max	ms	26
max ms 17 in DC Closing NO min ms 18 max ms 25 0 min ms 25 Opening NO min ms 2 17 18 </td <td></td> <td>Opening NC</td> <td></td> <td></td> <td></td>		Opening NC			
in DC Closing NO min ms 13 Opening NO min ms 25 Opening NO min ms 2 max ms 3 3 Closing NC min ms 3 Opening NC min ms 3 Min ms 11 max ms 17 UL technical data max ms 11 max ms 17 Full-load current (FLA) for three-phase AC motor at 480V A 11 at 600V A 84 Yielded mechanical performance for single-phase AC motor 110/120V HP 0.5 230V HP 3 220/230V HP 3 220/230V HP 3 30 460/440V HP 3 30 Fuse rating A			min	ms	
Closing NO min ms 18 Max ms 25 Opening NO min ms 2 max ms 3 1 Closing NC min ms 3 Closing NC min ms 3 Max ms 5 1 Opening NC min ms 11 max ms 11 1 Max ms 11 1 Max ms 11 1 Locked current (FLA) for three-phase AC motor A 84 Yielded mechanical performance 110/120V A 84 Yielded mechanical performance 110/120V HP 3 220/230V HP 3 460/480V HP 3 400/40V HP 3 20 20 20 General USE Contactor A 20 20 20 20 20 20 20 20 2			max	ms	17
min ms 18 Opening NO min ms 25 min ms 3 Closing NC min ms 3 min ms 3 3 Opening NC min ms 3 min ms 11 3 Opening NC min ms 11 min ms 17 11 U technical data T T Full-load current (FLA) for three-phase AC motor A 11 11 Locked rotor current (LRA) A 84 11 11 Locked rotor current (LRA) A 84 11 11 Locked rotor current (LRA) A 84 11 15 for three-phase AC motor 200/208V HP 3 220/230V HP 3 General USE Contactor A 20 10 10 10 General USE Contactor A 10 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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Opening NO min ms 2 max ms 3 Closing NC min ms 3 Opening NC min ms 1 Min ms 11 1 Opening NC min ms 11 U technical data ms 11 Full-load current (FLA) for three-phase AC motor at 480V A 11 Locked rotor current (LRA) A 84 11 Locked rotor current (LRA) A 84 Yielded mechanical performance for three-phase AC motor 200/208V HP 3. Yielded mechanical performance for three-phase AC motor 200/208V HP 3. General USE Contactor 200/208V HP 3. General USE Contactor A 20 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 30 Fuse rating A 30					
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max ms 17 UL technical data		epering te	min	ms	11
UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 11 at 600V A Locked rotor current (LRA) A 84 Yielded mechanical performance A 84 Yielded mechanical performance 110/120V HP 0.5 230V HP 1.5 - for three-phase AC motor 200/208V HP 3 220/230V HP 3 220/230V HP 3 220/230V HP 3 220/230V HP 3 General USE Contactor - - - - General USE Contactor - <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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$\begin{tabular}{ c c c c c c } \hline Locked rotor current (LRA) & A & 84 \\ \hline Yielded mechanical performance for single-phase AC motor & 110/120V & HP & 0.5 \\ & 230V & HP & 0.5 \\ & 230V & HP & 1.5 \\ \hline for three-phase AC motor & 200/208V & HP & 3 \\ & 220/208V & HP & 3 \\ & 300 & HP & 10 \\ \hline General USE & & & & & & & & & & & & & & & & & & &$			at 480V	А	11
Yielded mechanical performance for single-phase AC motor 110/120V HP 0.5 230V HP 1.5 for three-phase AC motor 200/208V HP 3 220/230V HP 3 220/230V HP 3 220/230V HP 3 460/480V HP 3 General USE 575/600V HP 10 6 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 Standard fault Short circuit current kA 5 Standard fault Short circuit current kA 5 5 Contact rating of auxiliary contacts according to UL A 600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70 -50 -50			at 600V	А	11
for single-phase AC motor 110/120V HP 0.5 110/120V HP 1.5 for three-phase AC motor 200/208V HP 3 220/230V HP 3 220/230V HP 3 220/230V HP 3 220/230V HP 3 460/480V HP 7.5 575/600V HP 10 General USE Contactor AC current A 20 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 Contact rating of auxiliary contacts according to UL A 600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70 -50 -50	Locked rotor current (L	RA)		А	84
$\begin{tabular}{ c c c c c c } \hline & & & & & & & & & & & & & & & & & & $	Yielded mechanical pe	rformance			
230V HP 1.5 for three-phase AC motor 200/208V HP 3 220/230V HP 3 400/408V HP 3 220/230V HP 3 460/480V HP 7.5 General USE 575/600V HP 10 10 General USE Contactor A 20 Short-circuit protection fuse, 600V High fault A 20 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 Fuse class J J Standard fault Short circuit current kA 5 Fuse class J Standard fault Short circuit current kA 5 KK5 Contact rating of auxiliary contacts according to UL A 600 - Q600 A Ambient conditions T High fault High fault KK5 Contact rating of auxiliary contacts according to UL A 600 - Q600 A A Ambient condititons <td></td> <td>for single-phase AC motor</td> <td></td> <td></td> <td></td>		for single-phase AC motor			
for three-phase AC motor 200/208V HP 3 220/230V HP 3 460/480V HP 7.5 General USE 575/600V HP 10 General USE Contactor AC current A 20 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 class RK5 Standard fault A600 - Q600 Ambient conditions A600 - Q600 Ambient conditions A600 - Q600 Temperature Operating temperature min °C -50 max °C +70 -50					
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460/480V HP 7.5 575/600V HP 10 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault AC current A 20 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 Standard fault July Standard fault Short circuit current kA 5 Fuse class J July Standard fault Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions A600 - Q600 Temperature Operating temperature min °C -50 max °C +70 -50					
575/600V HP 10 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault					
General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 Fuse rating A 30 Fuse class J Short circuit current kA 5 Standard fault Short circuit current kA 5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature Operating temperature min °C -50 -50 max< °C +70					
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AC current A 20 Short-circuit protection fuse, 600V High fault Image: A imag	General USE	Contenter			
Short-circuit protection fuse, 600V High fault High fault Short circuit current kA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5 Fuse rating A 30 Fuse rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C Min °C -50 max °C +70		Contactor		۸	20
High fault Short circuit current KA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5 Fuse rating of auxiliary contacts according to UL Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C Min °C -50 max °C +70	Short airquit protoction	fuer 6001/	AC current	A	20
Short circuit current kA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5 Fuse rating A 30 Fuse rating tault Fuse rating A 30 Contact rating of auxiliary contacts according to UL A600 - Q600 A600 - Q600 Ambient conditions Temperature min °C -50 Min °C -50 -70 -70					
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Standard fault Short circuit current kA 5 Fuse rating A 30 Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70					
Short circuit current kA 5 Fuse rating A 30 Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70		Standard fault			
Fuse rating A 30 Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70 +70			Short circuit current	kA	5
Fuse class RK5 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature min °C -50 max °C +70 +70					
Ambient conditions Temperature Operating temperature min °C -50 max °C +70			-		
Temperature Operating temperature 	Contact rating of auxilia	ary contacts according to UL			A600 - Q600
Operating temperature min °C -50 max °C +70	_				
min °C -50 max °C +70	Temperature				
max °C +70		Operating temperature			
			min		
Storage temperature			max	°C	+70
		Storage temperature			

DPBG1210A12060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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THREE-POLE CONTACTOR, FLA 25A, AC COIL 60HZ, 120VAC, 1NO AUXILIARY CONTACT



 $\begin{array}{c|c} \\ \hline \\ \\ A2 \end{array} \begin{array}{c} 2 \\ T1 \end{array} \begin{array}{c} 4 \\ T2 \end{array} \begin{array}{c} 6 \\ T3 \end{array} \begin{array}{c} 22 \\ T3 \end{array}$

Certifications and compliance				
Compliance				
	CSA C22.2 n° 60947-1			
	CSA C22.2 n° 60947-4-78			
	UL 60947-1			
	UL 60947-4-1			
Certificates				
	cULus			
ETIM classification	1			
ETIM 8.0		EC000066 - Power contactor,		

Power contacto AC switching