

Product designation				Power contactor
Product type designat	ion			DPBG12
Contact characteristic				BIBOIE
Number of poles	5		Nr.	3
Operational frequency	1		111.	0
		min	Hz	25
			Hz	400
Mechanical features		max	ΠZ	400
Operating position				Mantical alay
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	184
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data			-	
Performance level B1	0d according to EN/ISO 13489-1			
	-	rated load	cycles	500000
		mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			,	yes
EMC compatibility				yes
AC coil operating				,
Rated AC voltage at 6	0Hz		V	230
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
	plox up	min	%Us	75
		max	%Us	115
	drop-out	Пах	/003	110
	diop-out	min	%Us	20
			%Us	55
AC average coil const	umption at 20°C	max	/003	55
AC average coll const	•			
	of 50/60Hz coil powered at 50Hz	المربية من	\/^	20
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			05
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		holding	VA	4
Dissipation at holding			W	0.95
Max cycles frequency				



Mechanical operation cycles/h 3600 Average time for Us control in AC Imax Imax Imax 12 Average time for Us control in AC Closing NO Imax Imax 12 Opening NO Imax Imax 18 Imax 18 Closing NC Imin Imax 18 Imax Imax 18 Closing NC Imin Imax 17 Imax Imax 17 In DC Closing NO Imax Imax 17 Imax Imax 17 In DC Closing NO Imax Imax 18 Imax Imax 17 In DC Closing NO Imax Imax 18 Imax 18 Imax 18 Imax Imax 18 Imax Imax 18 Imax Imax 18 Imax Im						
Average time for Us control in AC Closing NO min ms 12 Opening NO min ms 21 Opening NO min ms 9 max ms 18 Closing NC min ms 9 max ms 17 max ms 17 Opening NC min ms 7 max ms 17 in DC Closing NO min ms 18 max ms 17 in DC Closing NO min ms 18 max ms 18 Opening NC min ms 18 max ms 3 Closing NC min ms 1 max ms 3 Opening NC min ms 1 max ms 1 Use detail data max ms 11 max ms 1 Use detail data max ms 1 m					cycles/h	3600
in AC Closing NO min ms 12 Opening NO min ms 9 max ms 17 Closing NC min ms 7 max ms 17 Opening NC min ms 7 max ms 17 max ms 17 In DC Closing NO min ms 25 Opening NO min ms 3 Closing NC min ms 3 Opening NC min ms 11 Locked current (FLA) for three-phase AC motor min ms 17 Full-load current (FLA) for three-phase AC motor at 800V A 11 Locked rotor current (LRA) A 84 11 Locked rotor current (LRA) A 84		otrol				
Licking NO min ms 12 Opening NO min ms 21 Opening NO min ms 9 max ms 18 Closing NC min ms 17 Opening NC min ms 7 max ms 7 7 Opening NC min ms 17 in DC Closing NO min ms 18 Opening NO min ms 18 Closing NC min ms 3 Opening NC min ms 11 Used controt (FLA) for three-phase AC motor min ms 11 Locked rotor current (LRA) A 11 11 Locked rotor current (LRA) K	Average time for 03 co					
Image: Section of the sectin of the section of the section			Closing NO			
Opening NO min ms 9 max ms 18 Closing NC min ms 17 max ms 7 max ms 17 max ms 17 max ms 17 in DC Closing NO min ms 17 Closing NO max ms 18 max ms 12 1 Opening NO min ms 2 max ms 18 1 max ms 3 1 1 Closing NC min ms 3 1 max ms 3 1 1 1 Opening NC min ms 1 1 1 Opening NC min ms 1 1 1 Opening NC min ms 1 1 1 Vietded mechanical performance for three-phase AC motor <td< td=""><td></td><td></td><td>-</td><td>min</td><td>ms</td><td></td></td<>			-	min	ms	
min mix mix <td></td> <td></td> <td></td> <td>max</td> <td>ms</td> <td>21</td>				max	ms	21
Imax max max <td></td> <td></td> <td>Opening NO</td> <td></td> <td></td> <td>2</td>			Opening NO			2
Closing NC min ms 17 max ms 26 Opening NC min ms 17 in DC Closing NO min ms 17 in DC Closing NO min ms 25 Opening NO min ms 25 Opening NO min ms 3 Closing NC min ms 3 Opening NC min ms 3 Opening NC min ms 11 Depening NC min ms 11 Max ms 11 11 Opening NC min ms 11 Depening NC min ms 11 Incoked current (FLA) for three-phase AC motor at 480V A 11 Incoked rotor current (LRA) A 84 200/208V HP 3 Yielded mechanical performance for three-phase AC motor 200/208V HP 3 2						
min ms 17 max ms 26 min ms 7 max ms 17 in DC Closing NO min ms 17 in DC Closing NO min ms 25 Opening NO min ms 2 max ms 3 3 Closing NC min ms 3 max ms 3 3 Opening NC min ms 3 max ms 11 max ms 17 Ut technical data Full-load current (FLA) for three-phase AC motor Till/120V A 11 Locked rotor current (LRA) A 84 Yielded mechanical performance for three-phase AC motor 230V HP 3 220/2030V HP 3 220/203V HP 3 220/2030V HP 3 220/203V HP 3<				max	ms	10
Max ms 26 min ms 7 max ms 17 in DC Closing NO min ms 17 In DC Closing NO min ms 25 Opening NO min ms 2 Max ms 3 3 Closing NC min ms 3 Opening NC max ms 5 Opening NC max ms 5 Opening NC max ms 11 Max ms 11 max ms 17 UL technical data ms 11 max ms 11 Locked rotor current (FLA) for three-phase AC motor at 480V A 11 Locked rotor current (LRA) A 84 110/120V HP 0.5 Yielded mechanical performance for three-phase AC motor 200/208V HP 3. 220/230V HP 3 220/230V HP <td></td> <td></td> <td></td> <td>min</td> <td>ms</td> <td>17</td>				min	ms	17
Opening NC min ms 7 in DC Closing NO min ms 17 in DC Closing NO min ms 18 Opening NO min ms 18 Max ms 25 0 Opening NO min ms 21 Max ms 3 11 Closing NC min ms 3 Opening NC min ms 11 Max ms 11 max ms Opening NC min ms 11 max Min ms 11 max ms 11 UL technical data min ms 11 max max 11 UL technical data min ms 11 max 11 11 Locked rotor current (LRA) A 84 11 11 12 Locked rotor current (LRA) A 84 11 15						
max ms 17 in DC Closing NO min ms 18 Opening NO min ms 25 Opening NO min ms 2 Closing NC min ms 3 Opening NC min ms 3 Opening NC min ms 11 UL technical data max ms 17 Full-load current (FLA) for three-phase AC motor min ms 11 Locked rotor current (LRA) A 11 11 Locked rotor current (LRA) A 84 11 Yielded mechanical performance tor single-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 AC current A 20 Short-circuit protection fuse, 600V HIgh fault Short circuit current KA 100 </td <td></td> <td></td> <td>Opening NC</td> <td></td> <td></td> <td></td>			Opening NC			
in DC Closing NO min ms 18 max ms 25 0 min ms 25 Opening NO min ms 2 max ms 3 Closing NC min ms 3 0 min ms 3 Opening NC min ms 3 0 max ms 11 UL technical data max ms 17 0 11 1				min	ms	7
$\begin{tabular}{ c c c c } \hline Closing NO & min & ms & 18 \\ max & ms & 25 \\ \hline Opening NO & min & ms & 2 \\ max & ms & 3 \\ \hline max & ms & 3 \\ \hline max & ms & 3 \\ \hline max & ms & 5 \\ \hline Opening NC & min & ms & 11 \\ max & ms & 11 \\ \hline max & m$				max	ms	17
$\begin{tabular}{ c c c c c } & & & & & & & & & & & & & & & & & & &$		in DC				
$\begin{tabular}{ c c c c } & & & & & & & & & & & & & & & & & & &$			Closing NO	·		10
$\begin{tabular}{ c c c c } \hline $$ Opening NO$ & $$ min $$ ms $$ 2$ \\ $$ max $$ ms $$ 3$ \\ $$ Closing NC$ & $$ max $$ ms $$ 3$ \\ $$ max $$ ms $$ 5$ \\ $$ Opening NC$ & $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ UL technical data $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ min $$ ms $$ 11$ \\ $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 17$ \\ \hline $$ max $$ ms $$ 11$ \\ $$ max $$ ms $$ 12$ \\ $$ max $$ ms $$ 15$ \\$						
min ms 2 max ms 3 Closing NC min ms 3 max ms 5 Opening NC min ms 11 UL technical data max ms 17 Full-load current (FLA) for three-phase AC motor at 480V A 11 Locked rotor current (LRA) A 84 Yielded mechanical performance 110/120V HP 0.5 230V HP 1.5 575/600V HP 3 220/230V HP 3 460/480V HP 3 220/230V HP 3 460/480V HP 7.5 S75/600V HP 10 575/600V HP 10 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault H 100 Fuse rating A 30 30 Fuse rating A 30 1			Opening NO	XBIII	1115	20
$\begin{tabular}{ c c c c } & max & ms & a & min			opening No	min	ms	2
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $						
$\begin{array}{c c c c c c } & max & ms & 5 \\ \hline \\ & min & ms & 11 \\ max & ms & 17 \\ \hline \\ $			Closing NC			
$\begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c } \hline \end{tabular} \hline $				min	ms	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				max	ms	5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Opening NC			4.4
UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 11 at 600V A 11 Locked rotor current (LRA) A 84 Yielded mechanical performance for single-phase AC motor 200/208V HP 0.5 200/208V HP 3 200/208V HP 3 200/208V HP 3 200/208V HP 3 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						
Full-load current (FLA) for three-phase AC motor at 480V A 11 Locked rotor current (LRA) A 84 Yielded mechanical performance Illo/120V HP 0.5 growth of three-phase AC motor Illo/120V HP 0.5 for three-phase AC motor 200/208V HP 3 220/230V HP 3 220/230V HP 3 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V HP 10 Generation King fault Short circuit current kA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5	UL technical data			Παλ	1115	17
$\begin{array}{c c c c c c c } & at 480 & A & 11 \\ \hline at 600 & A & 11 \\ \hline at 600 & A & 11 \\ \hline $		for three-phase AC m	otor			
Locked rotor current (LRA) A 84 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 3 200/208V 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 class J 30 100 Fuse class J 30 100	()			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 3 460/480V 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 30 Fuse class J J Short circuit current kA 5				at 600V	А	
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 7.5 575/600V HP 10 0 0 0 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V KA 100 Fuse rating A 30 Fuse class J 30 Standard fault Short circuit current kA 5					А	84
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 7.5 575/600V HP 10 0 0 0 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 30 Fuse class J Standard fault Short circuit current kA 5	Yielded mechanical per					
230VHP1.5for three-phase AC motor200/208VHP3220/230VHP3220/230VHP3460/480VHP7.5575/600VHP10General USEAC currentA20Short-circuit protection fuse, 600VHigh faultShort circuit currentKA100Fuse ratingA3030Fuse classJStandard faultShort circuit currentKA5		for single-phase AC	motor			
for three-phase AC motor 200/208V 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 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 30 30 Fuse class J Standard fault Short circuit current kA 5						
200/208VHP3220/230VHP3220/230VHP3460/480VHP7.5575/600VHP10AC currentAC currentA20Short-circuit protection fuse, 600V High faultHigh faultShort circuit currentKAKA100Fuse ratingA30Fuse classJStandard faultShort circuit currentKAKA5		for three-phase AC -	motor	2300	пР	0.1
220/230VHP3460/480VHP7.5575/600VHP10General USEContactorAC currentA20Short-circuit protection fuse, 600V High faultHigh faultShort circuit currentKA100Fuse ratingA3030Fuse classJJStandard faultShort circuit currentKA5		I III CE-PIIASE AC I		200/208\/	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 J Standard fault Short circuit current kA 5						
575/600V HP 10 General USE Contactor AC current A 20 Short-circuit protection fuse, 600V High fault KA 100 Fuse rating A 30 30 Fuse class J J Standard fault Short circuit current KA 5						
Contactor AC current A 20 Short-circuit protection fuse, 600V High fault Image: Contact of the second secon				575/600V	HP	
AC current A 20 Short-circuit protection fuse, 600V High fault Image: Short circuit current kA 100 Fuse rating A 30 Image: Short circuit current Image: A Image: A <td>General USE</td> <td></td> <td></td> <td></td> <td></td> <td></td>	General USE					
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		Contactor			_	
High fault Short circuit current kA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5		fuer 0001/		AC current	A	20
Short circuit current kA 100 Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5	Short-circuit protection					
Fuse rating A 30 Fuse class J Standard fault Short circuit current kA 5		nightault		Short circuit current	kΔ	100
Fuse class J Standard fault Short circuit current kA 5						
Standard fault Short circuit current kA 5				-	<i>,</i> .	
		Standard fault				
Fuse rating A 30				Short circuit current	kA	5
				Fuse rating	А	30

DPBG1201A23060 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



DPBG1201A23060

THREE-POLE CONTACTOR, FLA 25A, AC COIL 60HZ, 230VAC, 1NC AUXILIARY CONTACT

• • • • •		Fuse class	RK5
_	iliary contacts according to UL		A600 - Q600
mbient conditions			
emperature			
	Operating temperature		50
		min °C max °C	-50 +70
	Storage temperature	max °C	+70
	Slorage temperature	min °C	-60
		max °C	+80
/lax altitude		m m	3000
Resistance & Protec	tion		0000
ollution degree			3
Dimensions			-
		11 246	
4.4 4.4 (1.73") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.13") (0.33") (0.33") (0.33")		$\begin{array}{c} 44 \\ (1.73^{"}) \\ \textcircled{\begin{tabular}{lllllllllllllllllllllllllllllllllll$	57 (2.24") RF9 (0.30 (0.30
Viring diagrams			
A1	$\begin{bmatrix} 1 & 12 & 13 \\ 1 & 3 & 5 & 21 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 2 & 1 & 0 & 0 & 0 \\ 2 & 4 & 6 & 22 \\ 1 & 12 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 0 \\ 1 & 13 & 13 & 13 & 0 \\ 1 & 13 & 13 & 13 & 0 \\ 1 & 13 & 13 & 13 & 0 \\ 1 & 13 & 13 & 13 & 0 \\ 1 & 13 & 13 & 13 & 13 \\ 1 & 13 & 13 &$		
Certifications and co	mpliance		
Compliance			
	CSA C22.2 n° 60947-1		
	CSA C22.2 n° 60947-4-73		
	UL 60947-1		
	UL 60947-4-1		
Certificates			
	cULus		
TIM classification			
TIM 8.0			EC000066 - Power contactor AC switching