

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

<b>•</b> • • • •		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