

Product designation	Auxiliary contactor		
Product type designation	DPBG12		
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	200	
Operations			
Mechanical life	cycles	20000000	
Electrical life	cycles	500000	
Safety related data			
Performance level B10d according to EN/ISO 13489-1	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contacts according to IEC/EN 609474-4-1	YES		
EMC compatibility	YES		
AC coil operating			
Rated AC voltage at 60Hz	V	575	
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up	min	%Us	75
	max	%Us	115
drop-out	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz	in-rush	VA	30
	holding	VA	4
of 50/60Hz coil powered at 60Hz	in-rush	VA	25
	holding	VA	3
of 60Hz coil powered at 60Hz	in-rush	VA	30
	holding	VA	4
Dissipation at holding ≤20°C 50Hz	W	0.9	
Max cycles frequency			
Mechanical operation	cycles/h	3600	
Operating times			
Average time for Us control			
in AC			
Closing NO	min	ms	12
	max	ms	21

Opening NO	min	ms	9
	max	ms	18
Closing NC	min	ms	17
	max	ms	26
Opening NC	min	ms	7
	max	ms	17
in DC			
Closing NO	min	ms	18
	max	ms	25
Opening NO	min	ms	2
	max	ms	3
Closing NC	min	ms	3
	max	ms	5
Opening NC	min	ms	11
	max	ms	17

UL technical data

Rated operational voltage AC (UL)	V	600
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		
110/120V	HP	0.5
230V	HP	1.5
for three-phase AC motor		
200/208V	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
	Fuse rating	A	30

Contact rating of auxiliary contacts according to UL

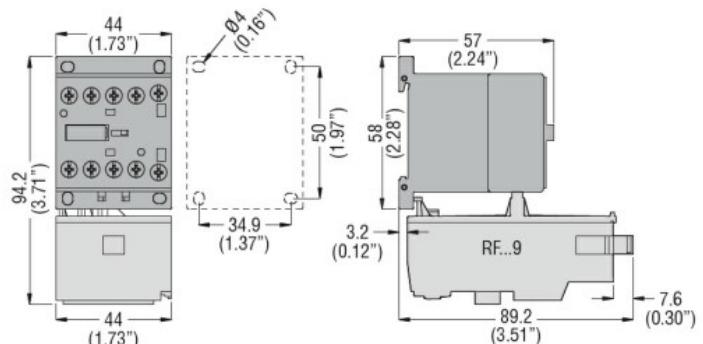
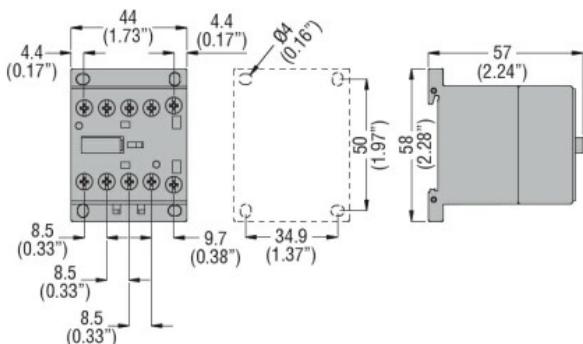
A600 - Q600

Ambient conditions

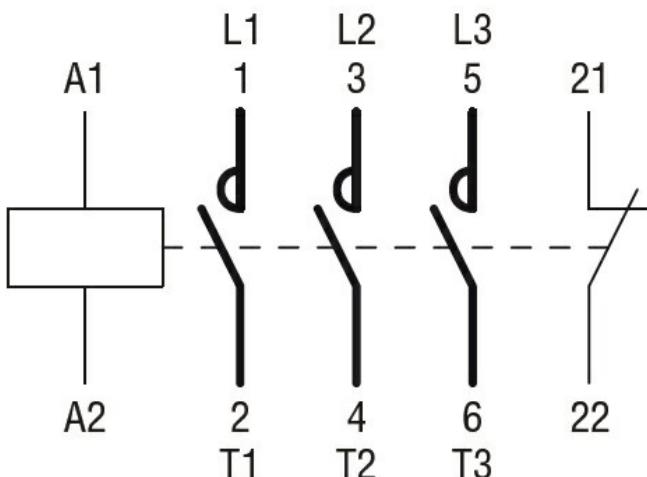
Temperature

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
Dimensions			



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-81

UI 60947-1

UI 60947-4-1

Certificates

cliffs

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching