



Product designation				Power 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	Vertical plan		
	allowable	±30°		
Fixing				Screw / DIN rail 35mm
Weight	g	184		
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 60947-4-1				yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 60Hz	V	460		
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	0.95		
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

Full-load current (FLA) for three-phase AC motor

at 480V	A	11
at 600V	A	11

Locked rotor current (LRA)

A	84
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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
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Short-circuit protection fuse, 600V

High fault

Short circuit current	kA	100
Fuse rating	A	30
Fuse class	J	

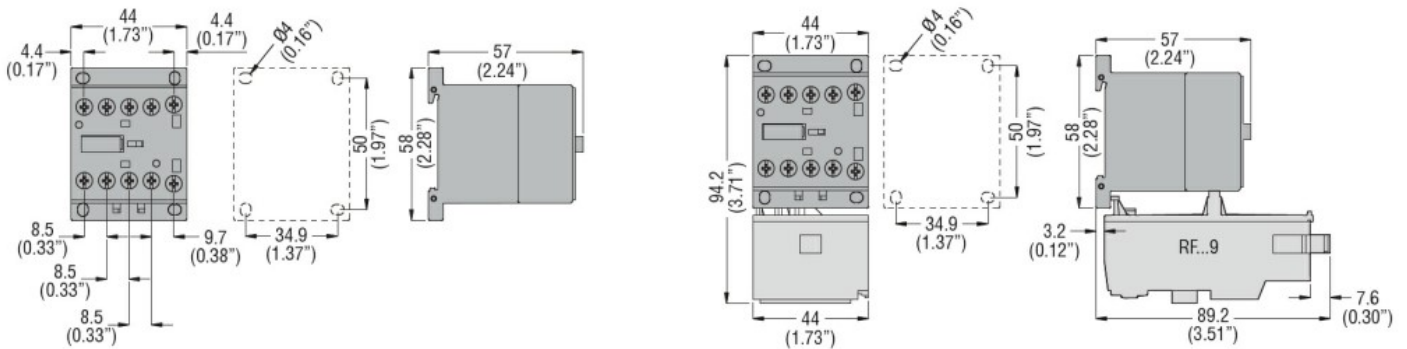
Standard fault

Short circuit current	kA	5
Fuse rating	A	30

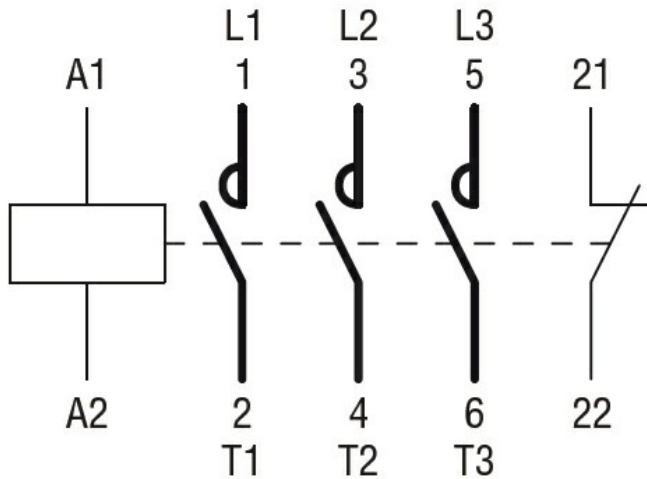
	Fuse class	RK5
Contact rating of auxiliary contacts according to UL		A600 - Q600
Ambient conditions		
Temperature		
Operating temperature	min °C	-50
	max °C	+70
Storage temperature	min °C	-60
	max °C	+80
Max altitude	m	3000

Resistance & Protection		
Pollution degree		3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-74
	UL 60947-1
	UL 60947-4-1

Certificates	cULus
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ETIM classification

ETIM 8.0	EC000066 - Power contactor, AC switching
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