

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	180	
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 50/60Hz			V	24	
AC operating voltage	of 50/60Hz coil powered at 50Hz				
	pick-up			min %Us	75
				max %Us	115
	drop-out			min %Us	20
				max %Us	55
	of 50/60Hz coil powered at 60Hz				
	pick-up			min %Us	80
				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
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

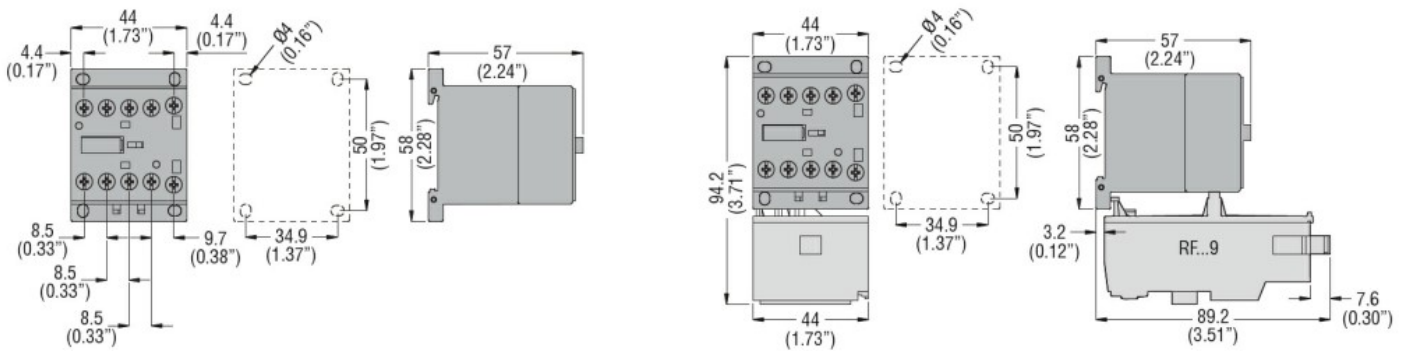
Temperature	Operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	min	°C	-60
		max	°C	+80

Max altitude m 3000

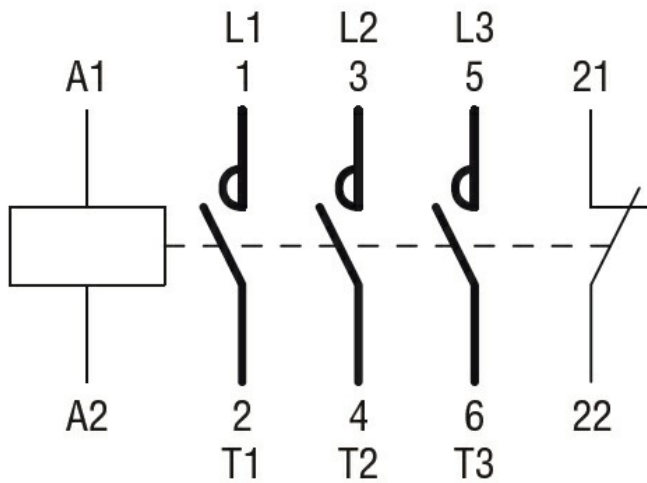
Resistance & Protection

Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-76
	UL 60947-1
	UL 60947-4-1

Certificates cULus

ETIM classification

ETIM 8.0 EC000066 - Power contactor, AC switching