

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 allowable	Vertical plan ±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 mechanical load	cycles	500000	
			cycles	20000000	
Mirror contats according to IEC/EN 609474-4-1		yes			
EMC compatibility		yes			
AC coil operating					
Rated AC voltage at 60Hz		V	120		
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			

in DC	Closing NC	min	ms	9
		max	ms	18
	Opening NC	min	ms	17
		max	ms	26
		min	ms	7
		max	ms	17
	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
---	----

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
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

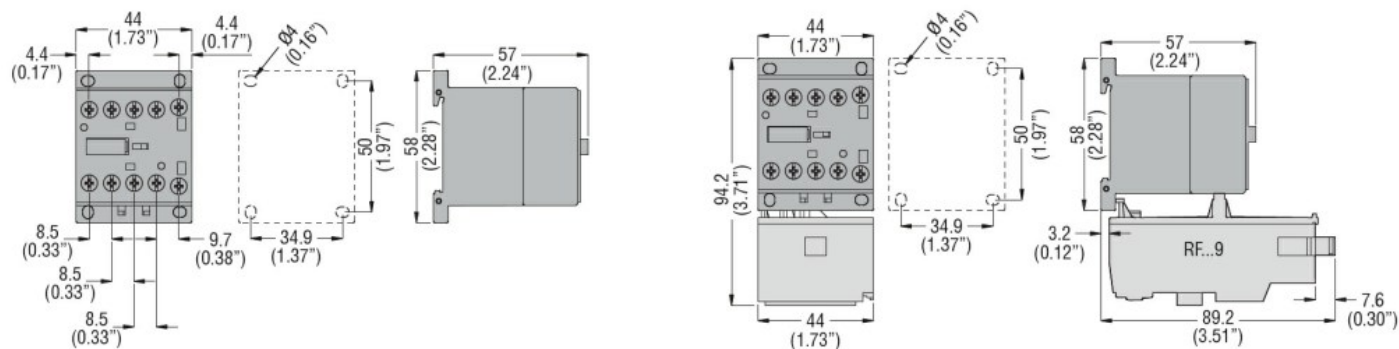
	min	°C	-60
	max	°C	+80
Max altitude		m	3000

Resistance & Protection

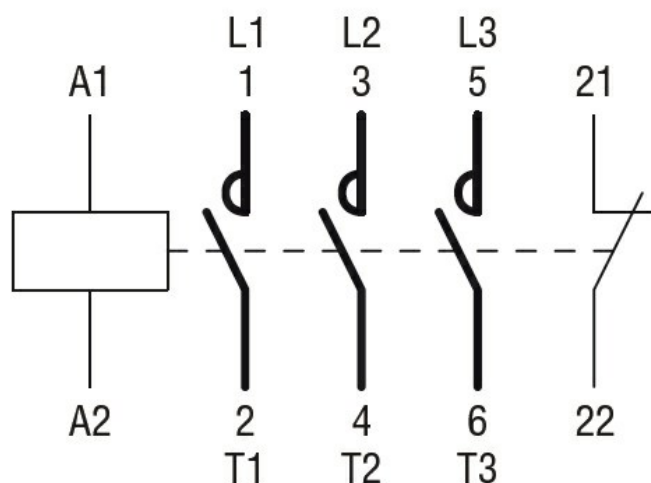
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-78

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching