

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
			max	ms
		Opening NO	min	ms
			max	ms

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
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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

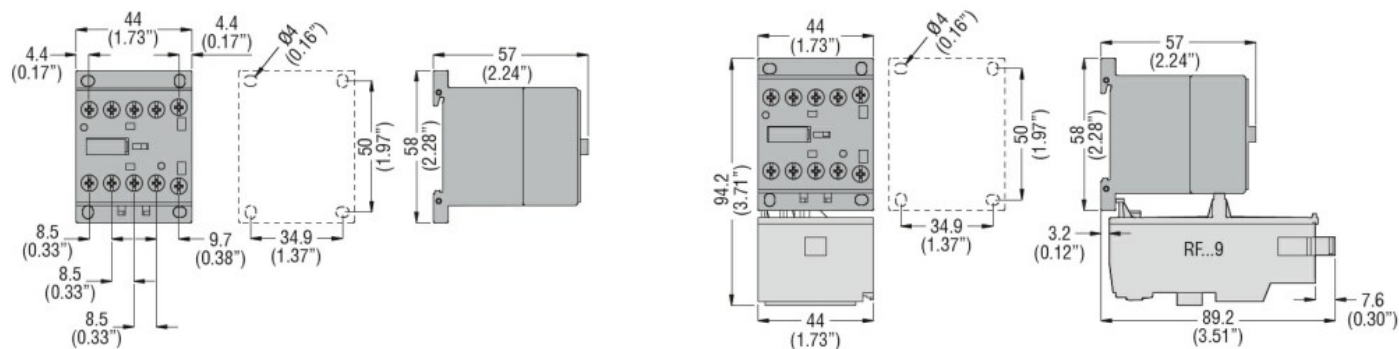
	min	°C	-60
	max	°C	+80
Max altitude		m	3000

Resistance & Protection

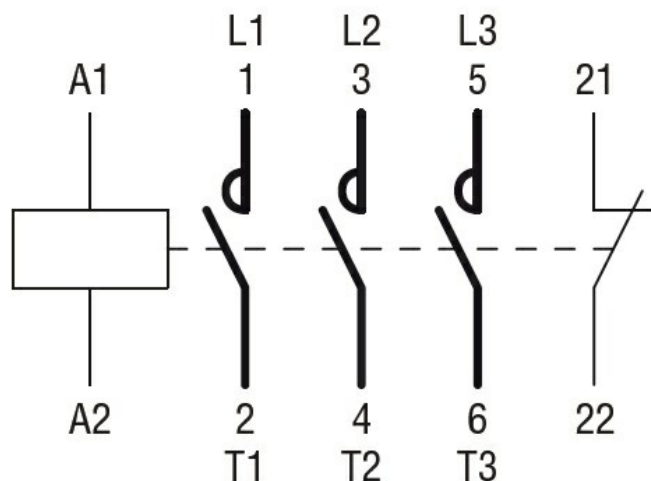
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-78

UL 60947-1

UL 60947-4-1

Certificates

cULuS

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching