



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	177

**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 contacts according to IEC/EN 60947-4-1			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
	of 50/60Hz coil powered at 60Hz	pick-up	min	%Us	80
			max	%Us	115
	of 50/60Hz coil powered at 50Hz	drop-out	min	%Us	20
			max	%Us	55
	of 50/60Hz coil powered at 60Hz	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
<b>Max cycles frequency</b>			
Mechanical operation		cycles/h	3600
<b>Operating times</b>			
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
<b>UL technical data</b>			
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

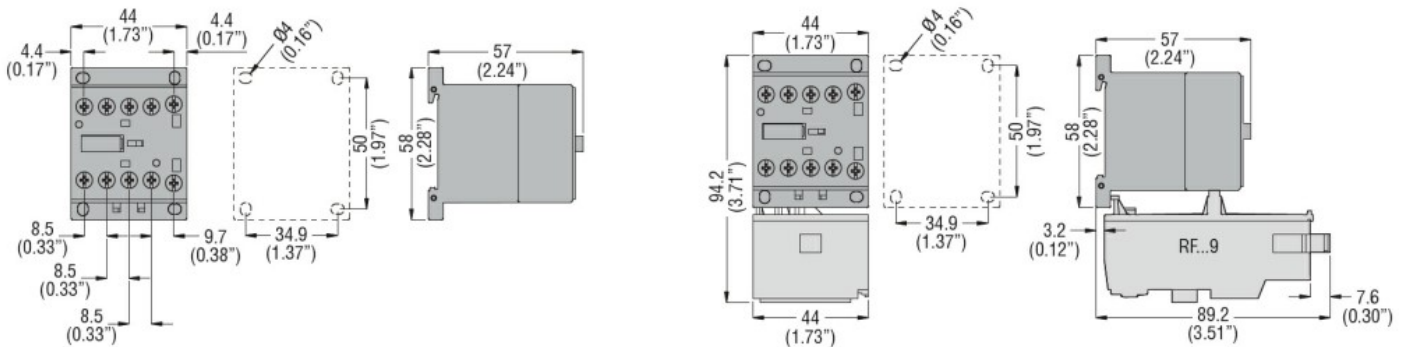
m 3000

Resistance & Protection

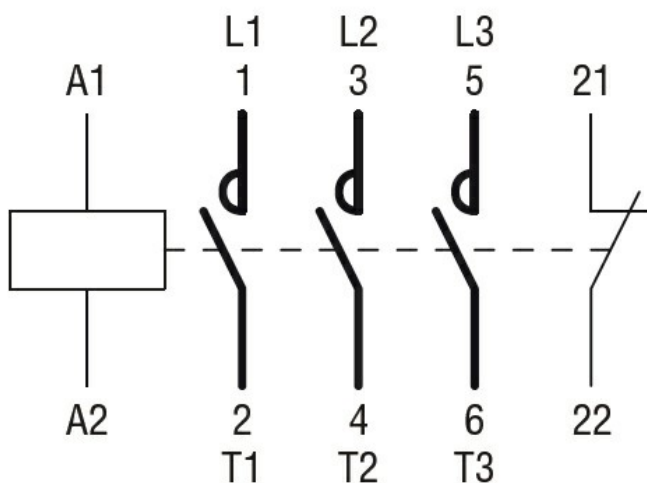
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-70

UL 60947-1

UL 60947-4-1

---

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching