



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 contacts 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 holding	VA 30
		VA 4
	of 50/60Hz coil powered at 60Hz	
	in-rush holding	VA 25
		VA 3
of 60Hz coil powered at 60Hz		
	in-rush holding	VA 30
		VA 4

Dissipation at holding ≤20°C 50Hz	W	0.95
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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	

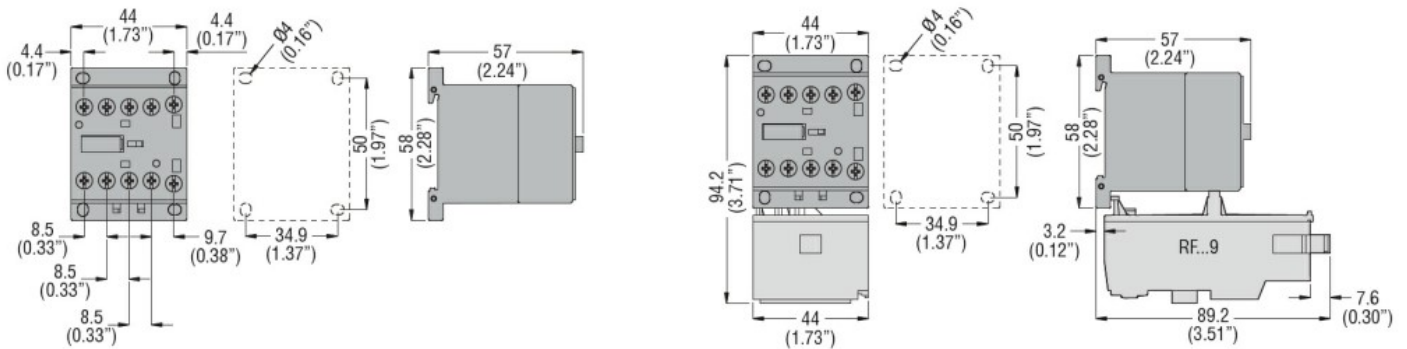
Standard fault

Short circuit current	kA	5
Fuse rating	A	30

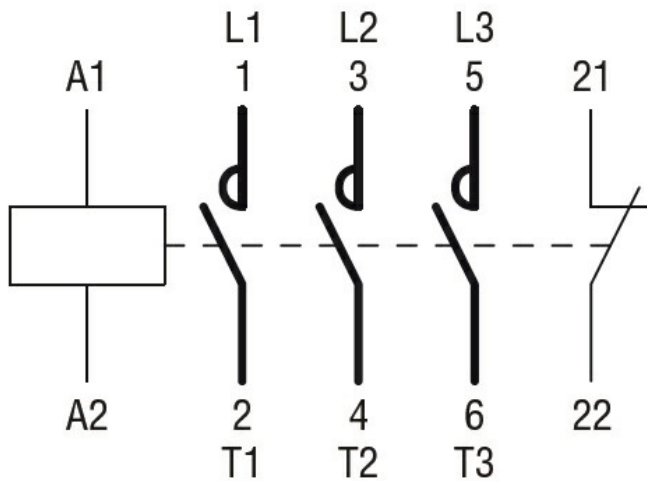
	Fuse class	RK5
Contact rating of auxiliary contacts according to UL		A600 - Q600
Ambient conditions		
Temperature		
Operating temperature	min °C	-50
	max °C	+70
Storage temperature	min °C	-60
	max °C	+80
Max altitude	m	3000

Resistance & Protection		
Pollution degree		3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-72
	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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