

Product designation			Power contactor	
Product type designation			DPBF32	
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	420	
Operations				
Mechanical life		cycles	20000000	
Electrical life		cycles	1600000	
Safety related data				
Performance level B10d according to EN/ISO 13489-1		rated load mechanical load	cycles	1600000
			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 80
			max	%Us 110
		drop-out	min	%Us 20
			max	%Us 55
AC average coil consumption at 20°C		of 60Hz coil powered at 60Hz		
		in-rush	VA	75
		holding	VA	9
Dissipation at holding ≤20°C 50Hz		W	2.5	
Max cycles frequency				
Mechanical operation		cycles/h	3600	
Operating times				
Average time for Us control in AC		Closing NO		
		min	ms	8
		max	ms	24
		Opening NO		
		min	ms	5
		max	ms	15
		Closing NC		
		min	ms	9
		max	ms	20
		Opening NC		

min	ms	9
max	ms	17

#### UL technical data

Full-load current (FLA) for three-phase AC motor

at 600V	A	50
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Locked rotor current (LRA)

A	300
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Yielded mechanical performance

for single-phase AC motor

110/120V	HP	3
230V	HP	10

for three-phase AC motor

200/208V	HP	15
220/230V	HP	15
460/480V	HP	30
575/600V	HP	40

General USE

Contactor

AC current	A	55
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Short-circuit protection fuse, 600V

Standard fault

Short circuit current	kA	5
Fuse rating	A	150
Fuse class		RK5

#### Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

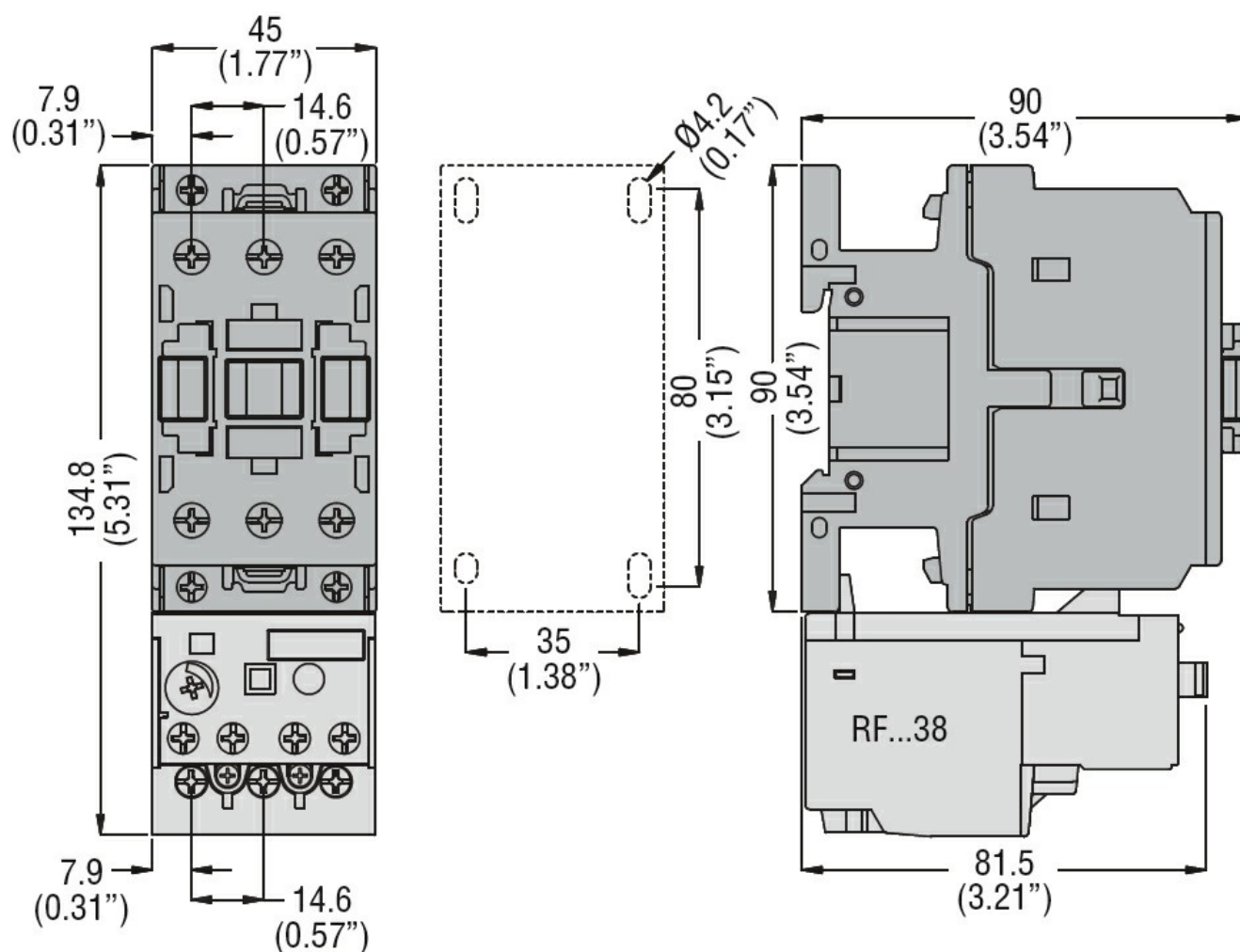
m	3000
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#### Resistance & Protection

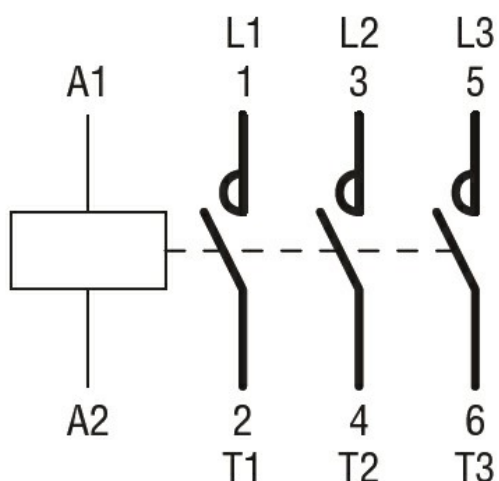
Pollution degree

3

#### Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 60947-1  
CSA C22.2 n° 60947-4-55  
UL 60947-1  
UL 60947-4-1

### Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching