

Product designation				Power contactor
Product type designation				DPBF32
<b>Contact characteristics</b>				
Number of poles		Nr.	3	
Operational frequency	min	Hz	25	
	max	Hz	400	
<b>Mechanical features</b>				
Operating position	normal allowable		Vertical plan ±30°	
Fixing				Screw / DIN rail 35mm
Weight			g	554
<b>Operations</b>				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
<b>Safety related data</b>				
Performance level B10d according to EN/ISO 13489-1			rated load mechanical load	cycles 1600000 cycles 20000000
Mirror contacts according to IEC/EN 609474-4-1				yes
EMC compatibility				yes
<b>AC coil operating</b>				
Rated AC voltage at 60Hz			V	230
AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out		max	%Us 0
	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 holding	VA 210 VA 15
			W	5
<b>DC coil operating</b>				
DC rated control voltage			V	24
DC operating voltage	pick-up		min	%Us 70
			max	%Us 125
	drop-out		min	%Us 10
			max	%Us 40
Average coil consumption ≤20°C			in-rush holding	W 5.4 W 5.4

**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

in DC

Closing NO	min	ms	54
	max	ms	66
Opening NO	min	ms	14
	max	ms	17

**UL technical data**

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

at 600V    A    50

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

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

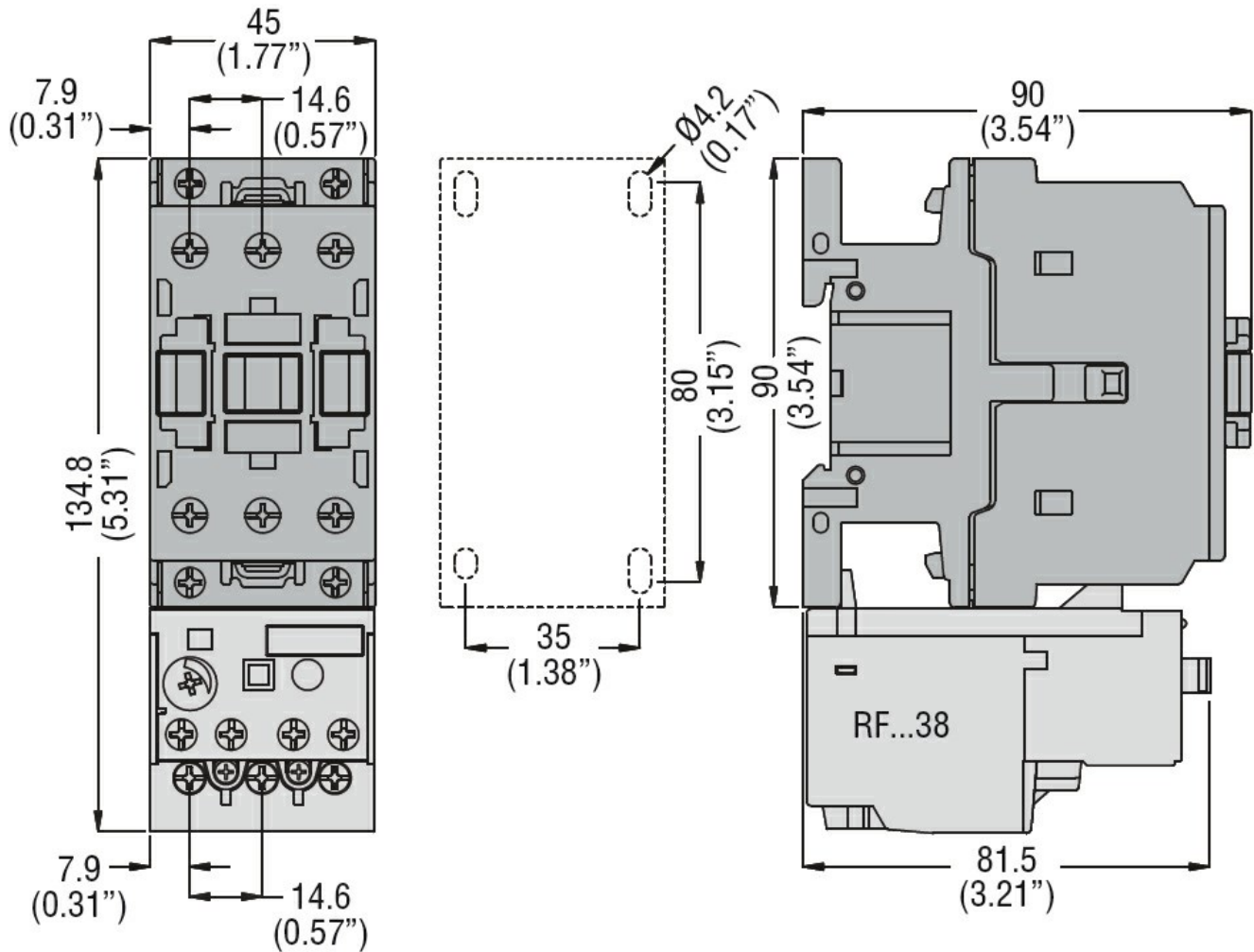
m    3000

**Resistance & Protection**

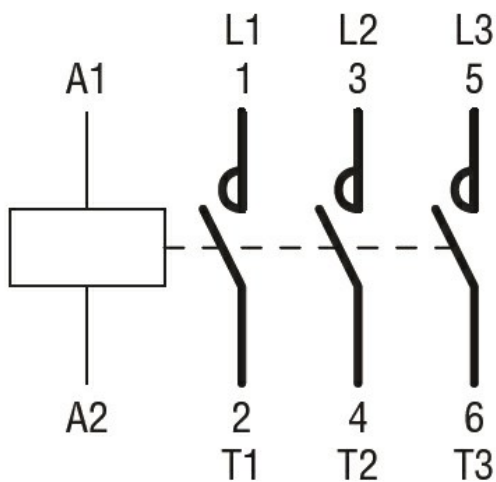
Pollution degree

3

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22.2 n° 60947-1  
 CSA C22.2 n° 60947-4-59  
 UL 60947-1

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UL 60947-4-1

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Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching