



Product designation			Power contactor		
Product type designation			DPBF18		
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	346	
Operations					
Mechanical life			cycles	20000000	
Electrical life			cycles	1600000	
Safety related data					
Performance level B10d according to EN/ISO 13489-1			rated load	cycles	1600000
			mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			yes		
EMC compatibility			yes		
AC coil operating					
Rated AC voltage at 60Hz			V	575	
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 VA	75 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	10
max	ms	20

Closing NC

min	ms	14
max	ms	28

Opening NC

min	ms	7
max	ms	18

### UL technical data

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

at 600V	A	30
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Locked rotor current (LRA)

A	180
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Yielded mechanical performance

for single-phase AC motor

110/120V	HP	2
230V	HP	5

for three-phase AC motor

200/208V	HP	7.5
220/230V	HP	7.5
460/480V	HP	15
575/600V	HP	20

General USE

Contactor

AC current	A	32
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Auxiliary contacts

AC voltage	V	600
AC current	A	10
DC voltage	V	250
DC current	A	1

Short-circuit protection fuse, 600V

Standard fault

Short circuit current	kA	5
Fuse rating	A	100
Fuse class		RK5

Contact rating of auxiliary contacts according to UL

A600 - P600

### Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

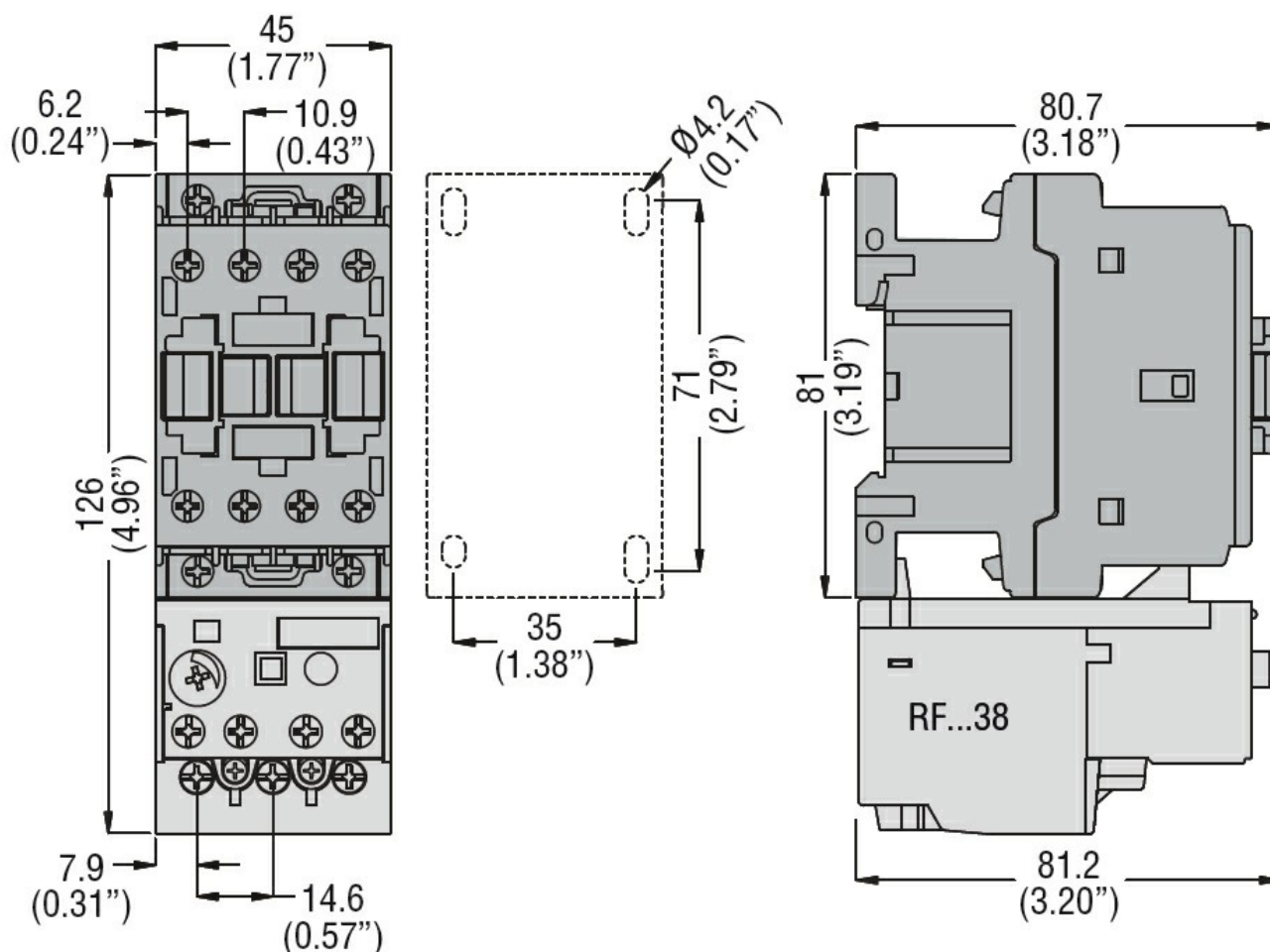
m	3000
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### Resistance & Protection

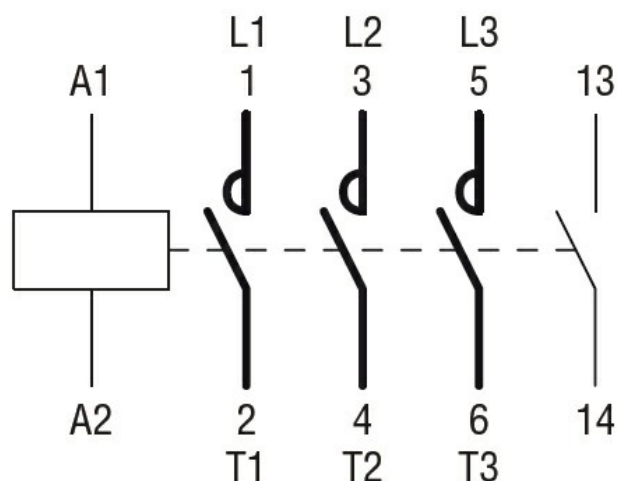
Pollution degree

3

### Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-38

UL 60947-1

UL 60947-4-1

### Certificates

cULus

## ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching