



Product designation	MODULAR CONTACTOR		
Product type designation	CN		
Operating voltage type	AC/DC		
Number of poles	2		
Number of DIN modules	1		
<b>Electrical features</b>			
IEC Conventional free air thermal current I <sub>th</sub>	A	20	
Operational current AC1 and AC-7a ≤400V	A	20	
Operational current AC3 and AC-7b ≤400V	A	9	
Rated insulation voltage U <sub>i</sub> IEC/EN	V	440	
Rated impulse withstand voltage U <sub>imp</sub>	kV	4	
Minimum switching capacity		≥17V ≥50mA	
Power dissipation per pole (average value) I <sub>th</sub>	W	1.7	
<b>Control circuit</b>			
Auxiliary rated supply voltage U <sub>s</sub>		24VAC/DC	
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Average coil consumption ≤20°C			
	in-rush	W	2.5
	holding	W	2.5
Operating voltage			
pick-up			
	min	%U <sub>s</sub>	85
	max	%U <sub>s</sub>	110
drop-out			
	min	%U <sub>s</sub>	20
	max	%U <sub>s</sub>	75
<b>Operating times</b>			
Average time			
Closing NO			
	min	ms	15
	max	ms	45
Opening NO			
	min	ms	25
	max	ms	50
<b>Operations</b>			
Mechanical life		cycles	3000000
Electrical life AC3		cycles	300000
Electrical life AC1		cycles	200000
<b>Ambient conditions</b>			
Operating temperature			
	min	°C	-15
	max	°C	55

Storage temperature

min	°C	-30
max	°C	80

Max altitude

m	2000
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Mechanical features

Fixing

DIN rail 35mm

Tightening torque for coil terminal

max	Nm	0.6
max	lbin	0.6

Tightening torque for terminals

max	Nm	1.2
max	lbin	0.9

Conductor section

Coil terminal

min	mm <sup>2</sup>	1
max	mm <sup>2</sup>	2.5

Power terminal

min	mm <sup>2</sup>	1
max	mm <sup>2</sup>	10

Terminals tool

PZ2

Weight

g 135

Resistance & Protection

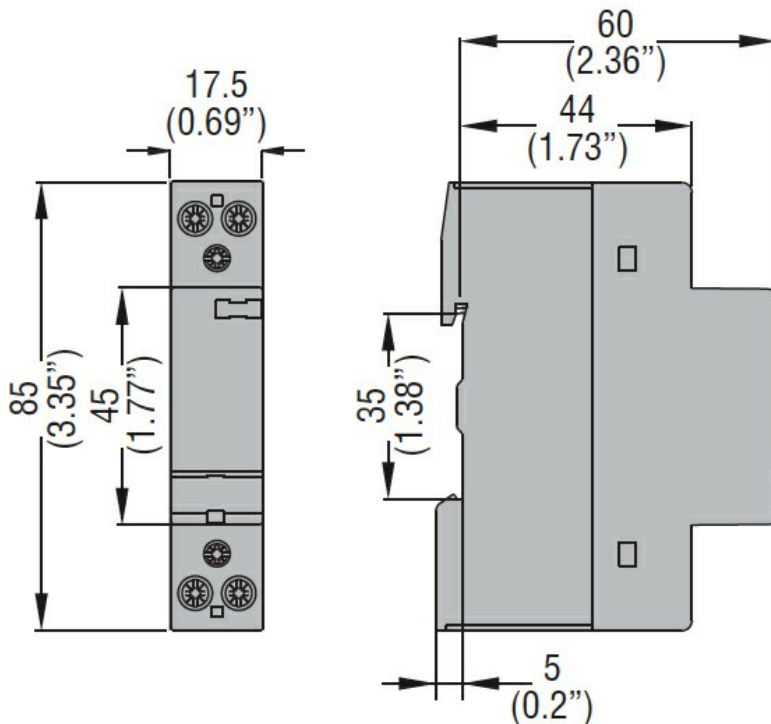
Frontal IP degree

IP20

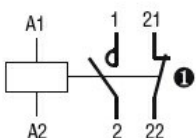
Pollution degree

3

Dimensions [mm (in)]



Wiring diagrams



**Certifications and compliance**

Compliance

IEC/EN 60947-1

IEC/EN 60947-4-1

IEC/EN 60947-5-1

IEC/EN 61095

Certificates

EAC

**ETIM classification**

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching