



Product designation	MODULAR CONTACTOR		
Product type designation	CN		
Operating voltage type	AC/DC		
Number of poles	4		
Number of DIN modules	3		
<b>Electrical features</b>			
IEC Conventional free air thermal current I <sub>th</sub>	A	40	
Operational current AC1 and AC-7a ≤400V	A	40	
Operational current AC-3 and AC-7b ≤400V	A	22	
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	4	
<b>Control circuit</b>			
Auxiliary rated supply voltage U <sub>s</sub>		24VAC/DC	
Auxiliary contacts			
	NO	Nr.	3
	NC	Nr.	1
Average coil consumption ≤20°C			
	in-rush	W	5
	holding	W	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	20
Opening NO			
	min	ms	35
	max	ms	45
<b>Operations</b>			
Mechanical life		cycles	3000000
Electrical life AC-3		cycles	150000
Electrical life AC1		cycles	100000
<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	2
max	lbin	1.48

Conductor section

Coil terminal

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

Power terminal

min	mm <sup>2</sup>	1.5
max	mm <sup>2</sup>	16

Terminals tool

PZ2

Weight

g 425

Resistance & Protection

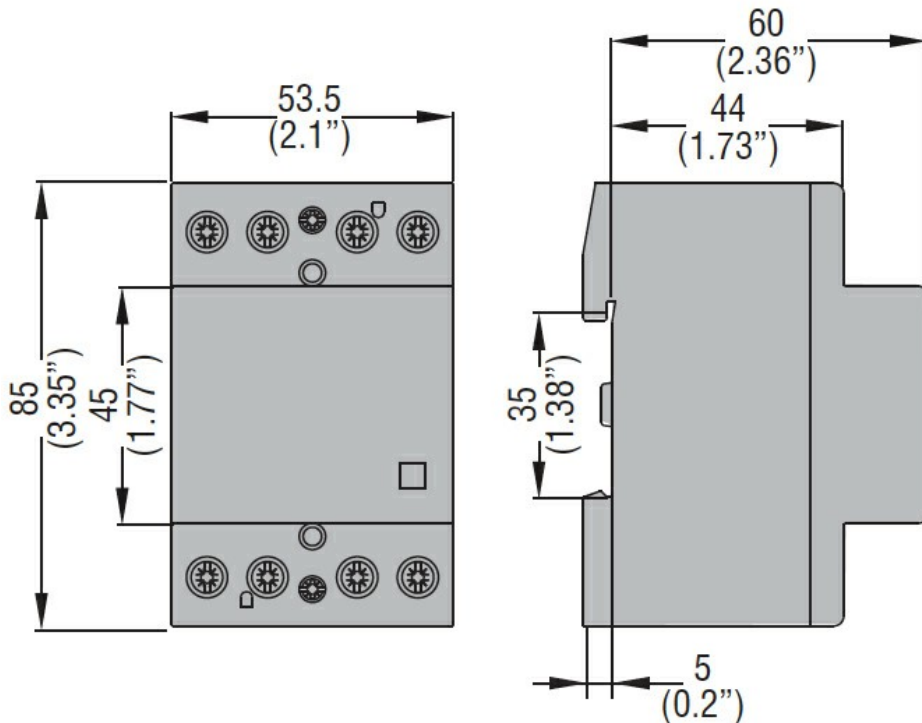
Frontal IP degree

IP20

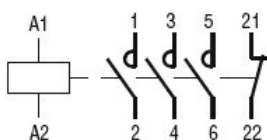
Pollution degree

3

Dimensions



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