



Product designation

MODULAR  
CONTACTOR

Product type designation

CN

Operating voltage type

AC/DC

Number of poles

4

Number of DIN modules

3

Electrical features

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

Control circuit

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

Operating times

Average time

Closing NO

min	ms	15
max	ms	20

Opening NO

min	ms	35
max	ms	45

Operations

Mechanical life	cycles	3000000
Electrical life AC-3	cycles	150000
Electrical life AC1	cycles	100000

Ambient conditions

Operating temperature

min	°C	-15
max	°C	55

Storage temperature

min	°C	-30
max	°C	80

Max altitude

m	2000
---	------

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

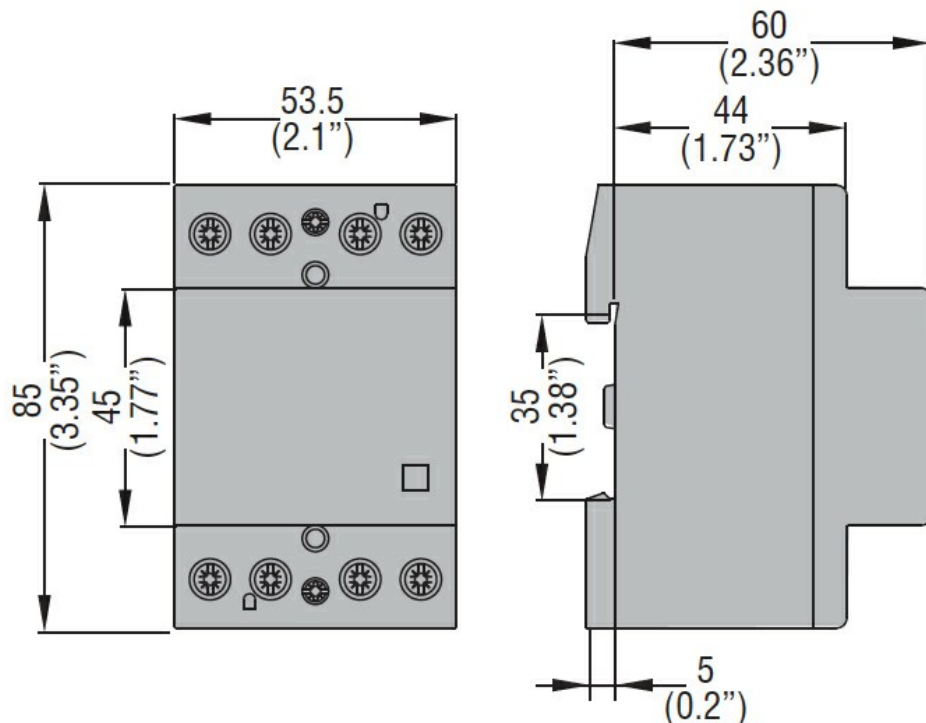
Frontal IP degree

IP20

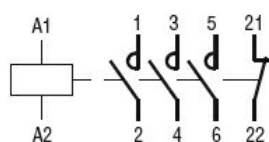
Pollution degree

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