



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 _{th}	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 _i IEC/EN	V	440
Rated impulse withstand voltage U _{imp}	kV	4
Minimum switching capacity		≥17V ≥50mA
Power dissipation per pole (average value) I _{th}	W	4

Control circuit

Auxiliary rated supply voltage U _s		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 _s	85
max	%U _s	110

drop-out

min	%U _s	20
max	%U _s	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
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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 ²	1
max	mm ²	2.5

Power terminal

min	mm ²	1.5
max	mm ²	16

Terminals tool

PZ2

Weight

g	425
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Resistance & Protection

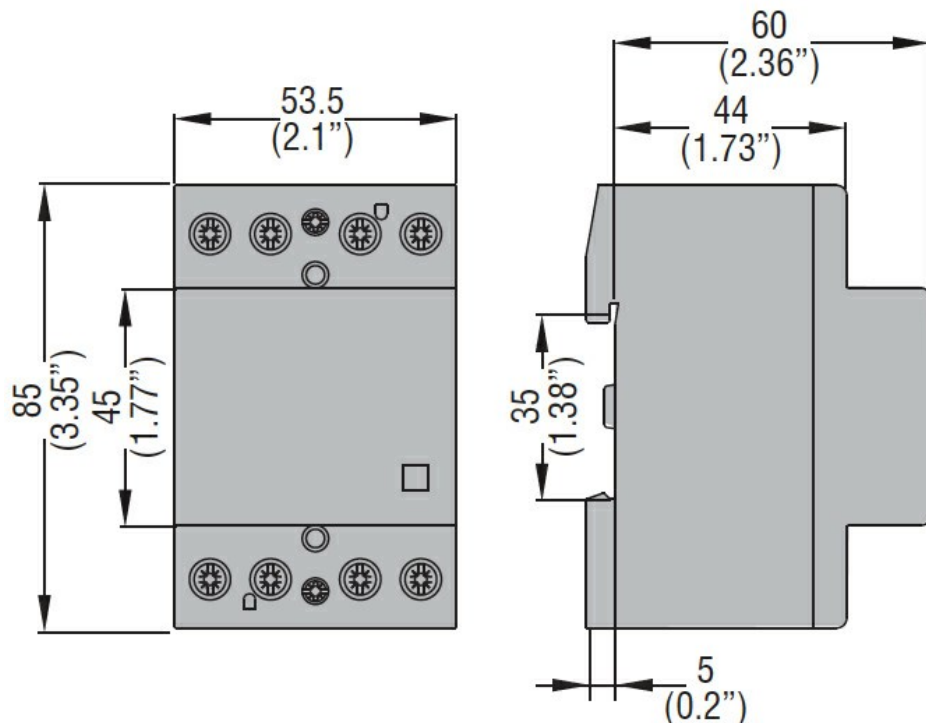
Frontal IP degree

IP20

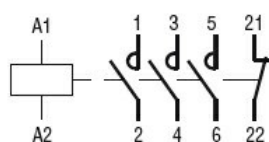
Pollution degree

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