



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		220VAC/VDC
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
---	------

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

Resistance & Protection

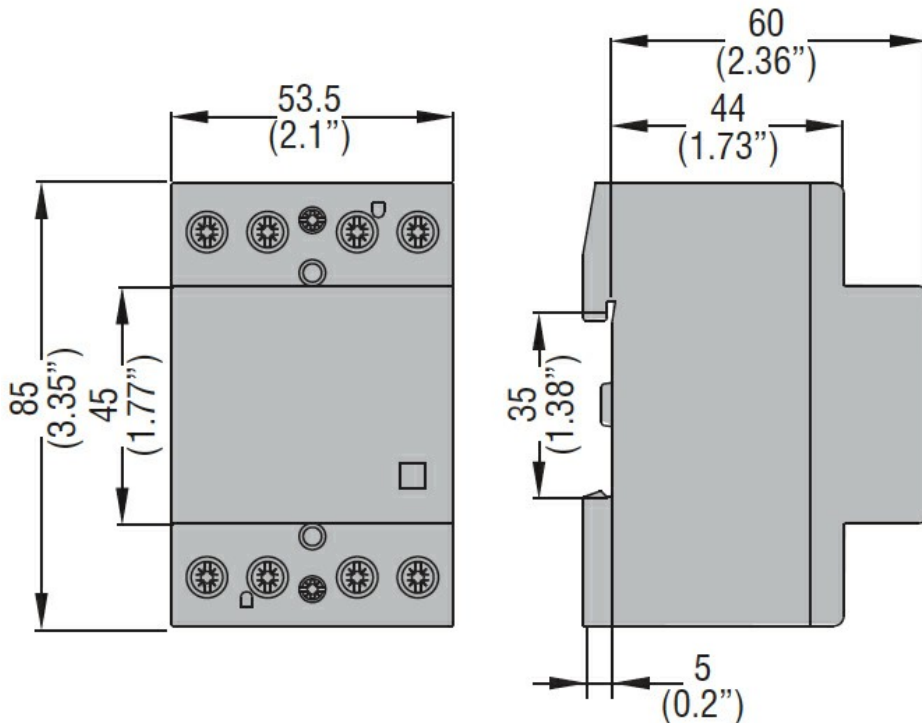
Frontal IP degree

IP20

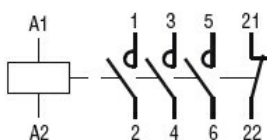
Pollution degree

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