



Product designation			MODULAR CONTACTOR		
Product type designation			CN		
Operating voltage type			AC/DC		
Number of poles			2		
Number of DIN modules			1		
Electrical features					
IEC Conventional free air thermal current Ith			A	20	
Operational current AC1 and AC-7a ≤400V			A	20	
Operational current AC-3 and AC-7b ≤400V			A	9	
Rated insulation voltage Ui IEC/EN			V	440	
Rated impulse withstand voltage Uimp			kV	4	
Minimum switching capacity				≥17V ≥50mA	
Power dissipation per pole (average value) Ith			W	1.7	
Control circuit					
Auxiliary rated supply voltage Us			220VAC/VDC		
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	%Us	85
			max	%Us	110
drop-out			min	%Us	20
			max	%Us	75
Operating times					
Average time			Closing NO		
			min	ms	15
			max	ms	45
			Opening NO		
			min	ms	25
			max	ms	50
Operations					
Mechanical life			cycles	3000000	
Electrical life AC-3			cycles	300000	
Electrical life AC1			cycles	200000	
Ambient conditions					
Operating temperature			min	°C	-15
			max	°C	55

Storage temperature

min	°C	-40
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 ²	1
max	mm ²	2.5

Power terminal

min	mm ²	1
max	mm ²	10

Terminals tool

PZ2

Weight

g 135

Resistance & Protection

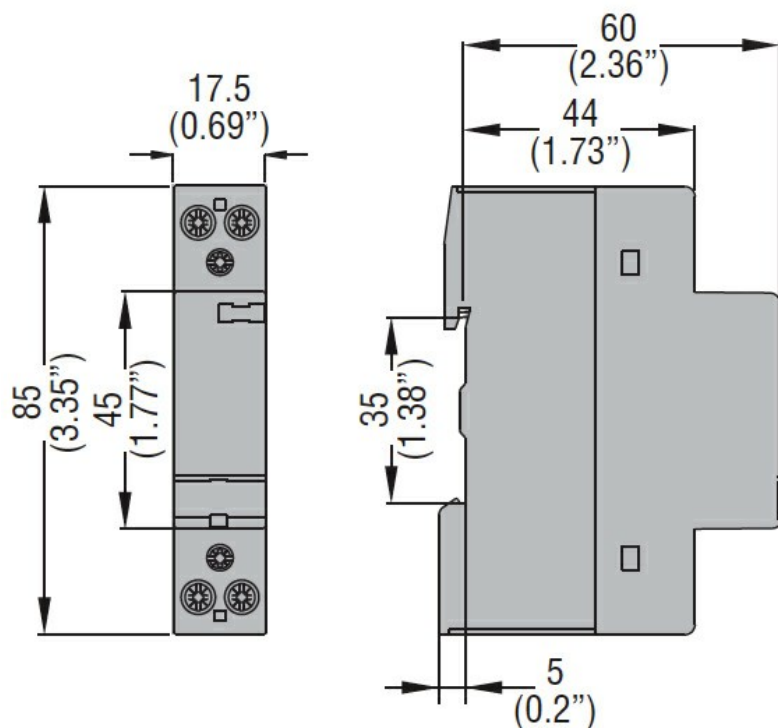
Frontal IP degree

IP20

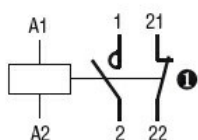
Pollution degree

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