



**Electrical features**

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	40
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	40
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	22
Rated insulation voltage $U_i$ IEC/EN	V	440
Rated impulse withstand voltage $U_{imp}$	kV	4
Minimum switching capacity		$\geq 17\text{V} \geq 50\text{mA}$
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 $\leq 20^{\circ}\text{C}$			
	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	300000
Electrical life AC-3	cycles	150000
Electrical life AC1	cycles	100000

**Ambient conditions**

Operating temperature	min	$^{\circ}\text{C}$	-15
	max	$^{\circ}\text{C}$	55

Storage temperature	min	$^{\circ}\text{C}$	-30
	max	$^{\circ}\text{C}$	80

Max altitude	m	2000
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**Mechanical features**

Fixing		DIN rail 35mm
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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

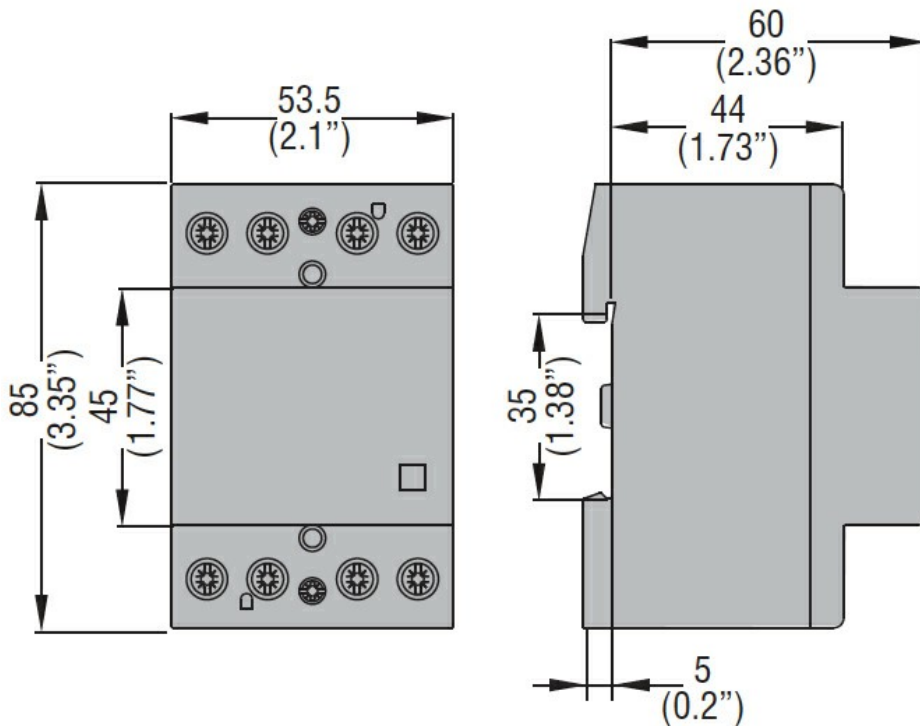
Frontal IP degree

IP20

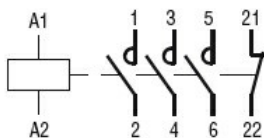
Pollution degree

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

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Certificates

EAC

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching