



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		220VAC/VDC
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	

Mechanical features

Fixing	DIN rail 35mm
--------	---------------

Tightening torque for coil terminal

max	Nm	0.6
max	Ibin	0.6

Tightening torque for terminals

max	Nm	2
max	Ibin	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

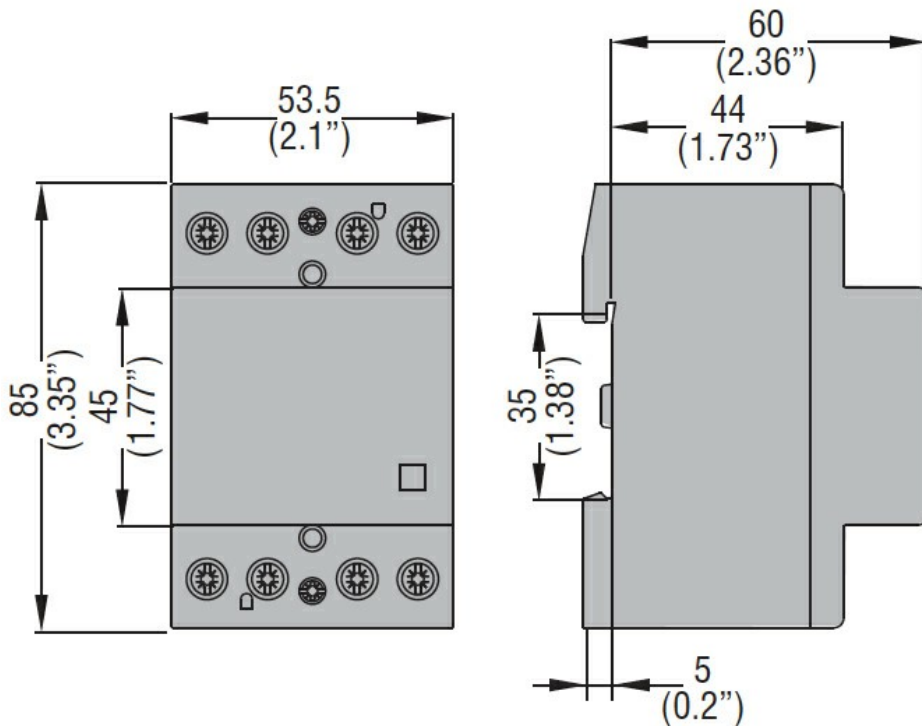
Frontal IP degree

IP20

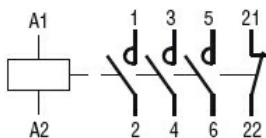
Pollution degree

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