


Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A	20
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	20
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	9
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	1.7

Control circuit

Auxiliary rated supply voltage U_s		12V AC/DC
Auxiliary contacts	NO	Nr. 1
Average coil consumption $\leq 20^\circ\text{C}$	in-rush	W 2.5
	holding	W 2.5

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	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	$^\circ\text{C}$	-25
	max	$^\circ\text{C}$	+70
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	lbin	0.6
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Tightening torque for terminals				
		max	Nm	1.2
		max	lbin	0.9
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Conductor section				
	Coil terminal			
		min	mm ²	1
		max	mm ²	2.5
	Power terminal			
		min	mm ²	1
		max	mm ²	10
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Terminals tool				PZ2
Weight				g 135
Resistance & Protection				
Frontal IP degree				IP20
Pollution degree				3
ETIM classification				
ETIM 8.0				EC001653 - Installation contactor for distribution board