



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
	min	% U_s	20
	max	% U_s	75
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	Ibin	0.6
Tightening torque for terminals				
		max	Nm	1.2
		max	Ibin	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
ETIM classification				
ETIM 8.0				EC001653 - Installation contactor for distribution board