



Product designation

MODULAR  
CONTACTOR

Product type designation

CNM

Operating voltage type

AC/DC

Manual control

YES

Number of poles

2

Number of DIN modules

1

#### Electrical features

IEC Conventional free air thermal current I <sub>th</sub>	A	20
Operational current AC1 and AC-7a ≤400V	A	20
Operational current AC-3 and AC-7b ≤400V	A	9
Rated insulation voltage U <sub>i</sub> IEC/EN	V	440
Rated impulse withstand voltage U <sub>imp</sub>	kV	4
Minimum switching capacity		≥17V ≥50mA
Power dissipation per pole (average value) I <sub>th</sub>	W	1.7

#### Control circuit

Auxiliary rated supply voltage U <sub>s</sub>		12V AC/DC
Auxiliary contacts		
	NO	Nr. 1
Average coil consumption ≤20°C		
	in-rush	W 2.5
	holding	W 2.5

Operating voltage

pick-up

min	%U <sub>s</sub>	85
max	%U <sub>s</sub>	110

drop-out

min	%U <sub>s</sub>	20
max	%U <sub>s</sub>	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	-25
max	°C	+70

Storage temperature			
	min	°C	-30
	max	°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
Tightening torque for terminals			
	max	Nm	1.2
	max	lbin	0.9
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
	max	mm <sup>2</sup>	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