



moduLo

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TWO POLES

- Rated current Ith: 20A (AC1)
- Operating power: 1.3kW (AC3 230V)
- Ideal for domestic applications.



moduLo

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THREE AND FOUR POLES

- Rated current Ith: 25A, 40A and 63A (AC1)
- Operating power: 4kW, 11kW and 15kW (AC3 400V)
- Ideal for civil or industrial installations, such as office buildings, stores, hospitals, hotels, etc.

- ◆ Two, three and four-pole versions, 20A to 63A
- ◆ Very silent during operation or control phase
- ◆ Operation flag indicator
- ◆ Add-on auxiliary contacts.



PLANET - DIN

Modular contactors

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SEC. PAGE

CN contactors



CN20...

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CN25...

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CN40...

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CN63...

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Order code	Rated auxiliary supply voltage	Config. and n° of contacts	Qty per pkg	Wt
	[V] ①	∖NO ∓NC n°	n°	[kg]
One or two-pole.				
CN20 11 024②⑦	24VAC/DC	1 1③	10	0.125
CN20 11 220②⑦	220-230VAC⑥	1 1③	10	0.125
CN20 20 024②⑦	24VAC/DC	2 —	10	0.125
CN20 20 220②⑦	220-230VAC⑥	2 —	10	0.125

Order code	Rated auxiliary supply voltage	Config. and n° of contacts	Q.ty per pkg	Wt
	[V] ①	∖NO ∓NC n°	n°	[kg]
Three-pole or four-pole.				
CN25 10 024⑤	24VAC/DC	4④ —	5	0.280
CN25 10 220⑤	220-230VAC⑥	4④ —	5	0.280
CN25 01 024⑤	24VAC/DC	3 1④	5	0.280
CN25 01 220⑤	220-230VAC⑥	3 1④	5	0.280

Order code	Rated auxiliary supply voltage	Config. and n° of contacts	Q.ty per pkg	Wt
	[V] ①	∖NO ∓NC n°	n°	[kg]
Three-pole or four-pole.				
CN40 10 024⑤	24VAC/DC	4④ —	5	0.400
CN40 10 220⑤	220-230VAC⑥	4④ —	5	0.400
CN40 01 024⑤	24VAC/DC	3 1④	5	0.400
CN40 01 220⑤	220-230VAC⑥	3 1④	5	0.400

Order code	Rated auxiliary supply voltage	Config. and n° of contacts	Q.ty per pkg	Wt
	[V] ①	∖NO ∓NC n°	n°	[kg]
Three-pole or four-pole.				
CN63 10 024	24VAC/DC	4④ —	5	0.408
CN63 10 220	220-230VAC⑥	4④ —	5	0.408
CN63 01 024	24VAC/DC	3 1④	5	0.408
CN63 01 220	220-230VAC⑥	3 1④	5	0.408

- ① Other voltages on request. Consult our Customer Service (Tel. +39 035 4282422; email: service@LovatoElectric.com).
- ② 2NC version supplied on request.
- ③ The last (NC) pole has the same characteristics as the power pole. It can therefore be used indifferently as an auxiliary or as a NC power contact.
- ④ The fourth NO or NC pole has the same characteristics as the power poles; therefore it can be used indifferently as auxiliary or as power contact.
- ⑤ On request CN25 and CN40 contactors in the following versions can be supplied: 2NO + 2NC or 4NC power poles. Contact our Customer Service (Tel. +39 035 4282422; email: service@LovatoElectric.com).
- ⑥ Can also operate at 220VDC.
- ⑦ No auxiliary contacts can be mounted.

General characteristics

- DC powered magnetic core system assuring silent operation and noise damping during the control phase
- Overvoltage protection circuit and voltage peak limitation of the magnetic core
- Equipped with 2 or 4 closing contacts of equal capacity permitting use in power or auxiliary circuits
- Operation flag indicator
- Fast mounting.

Operational characteristics

Type	Conventional free-air thermal current AC1 (Ith)	Operating power AC3		Protection fuse gG
		230V	400V	
	[A]	[kW]	[kW]	[A]
CN20	20	1.3	—	20
CN25	25	2.2	4	35
CN40	40	5.5	11	63
CN63	63	8.5	15	80

- Degree of protection: IP20
- Mounting on 35mm DIN rail (IEC/EN 60175).

When contactors are mounted side by side and operate in continuous service (≥1 hour), spacing is needed between equipment to consent appropriate cooling. 9mm spacing is required; there is an accessory, called half-module spacer, order code CNX 80, for this specific type of mounting. The following table indicates details of the space needed between each.

Maximum number of contactors to be mounted side-by-side without spacing; the CNX 80 spacer is required when the number of pieces are more than indicated below:

	CN20	CN25	CN40	CN63
Ambient temperature ≤40°C	3	2	No limitation	3
Ambient temperature >40°...55°C	2	2	No limitation	⑤

⑤ Not suitable for ambient temperature higher than 40°C.

Operational characteristics of contactor-incorporated auxiliary contacts

Type	Insulation voltage (Ui)	Rating per AC15 category	
		230V	400V
	[V]	[A]	[A]
CN20	440	6	6
CN25	440	6	4
CN40	500	6	4
CN63	500	6	4

Certifications and compliance

Certifications obtained: GOST.
Compliant with standards: IEC/EN 60947-4-1, IEC/EN 61095.

Utilisation

- Lighting systems
- Electric home heating
- Heat pumps
- Conditioning
- Ventilation
- Civil installations.

Lighting circuit switching

See page TC-34.

Add-on blocks and accessories



CNH...



CNP2

Order code	Characteristics	Max qty per contactor	Qty per pkg	Wt
		n°	n°	[kg]

Auxiliary contacts^①.

CNH 11 ^①	1NO + 1NC	1	1	0.045
CNH 20 ^①	2NO	1	1	0.045

Terminal protection (also sealable).

CNP 0	For CN20	1 ^②	1 ^②	0.001
CNP 1	For CN25	1 ^②	1 ^②	0.002
CNP 2	For CN40 and CN63	1 ^②	1 ^②	0.003

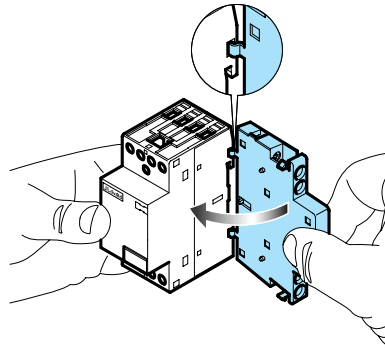
Spacer.

CNX 80	1/2 module wide	1	10	0.005
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- ① Not suitable for CN20 modular contactors.
② Set of 2 pieces.

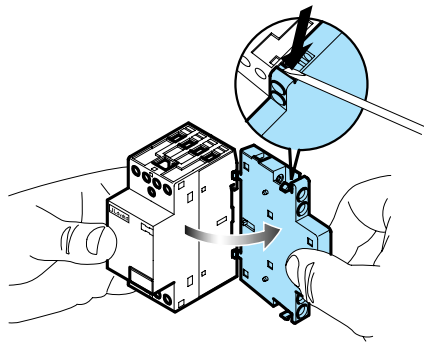
Mounting

Fasten the CNH... auxiliary contact by slightly pressing it in place.



Removal

Release the catch using a screwdriver.



Operational characteristics for auxiliary contacts

- Rated insulation voltage: 440VAC
- Conventional free air thermal current Ith: 6A
- Maximum tightening torque: 1Nm.