

# CONTACTORS C Series



**CD-2DI**



**CF-4DI**



**CJ-8DI**

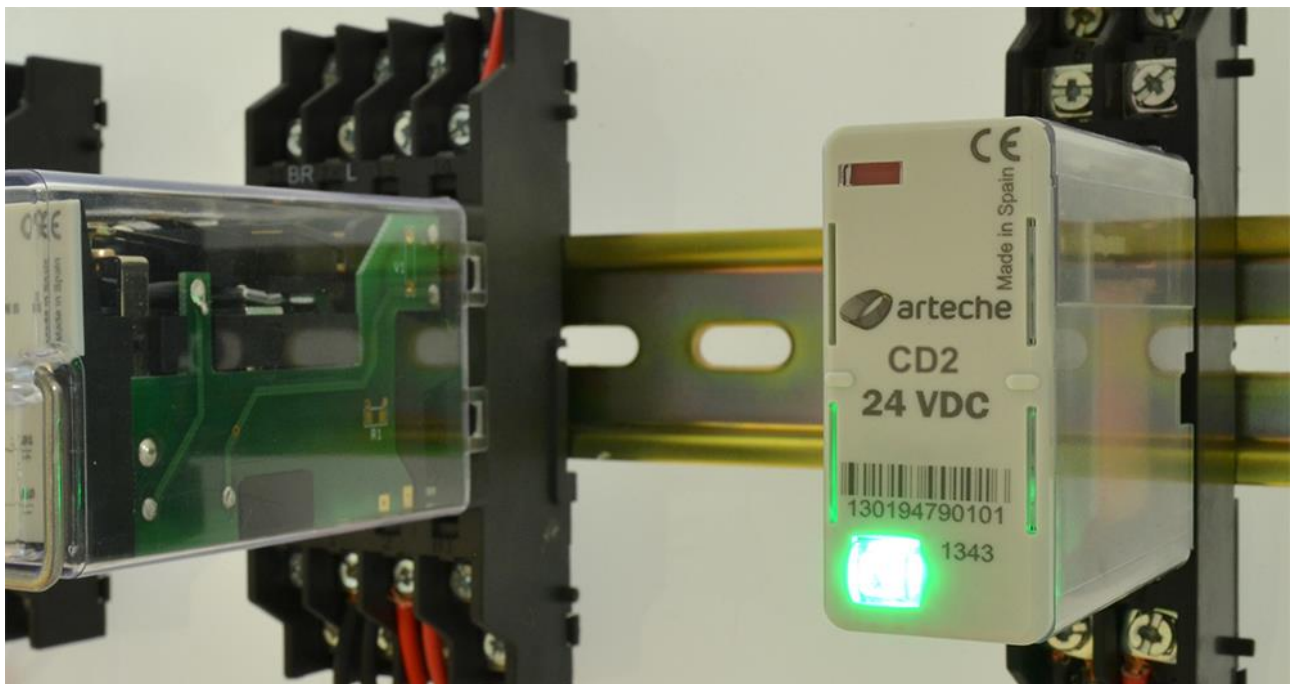
**Contactors with coil overvoltage protection**

## APPLICATIONS

- > Opening inductive load in DC circuits
- > Indicated when the customer wish to protect the contact of the equipment that commands the operation of our contactor.

## MAIN FEATURES

- > Plug-in contactors
- > Compact size
- > Front LED



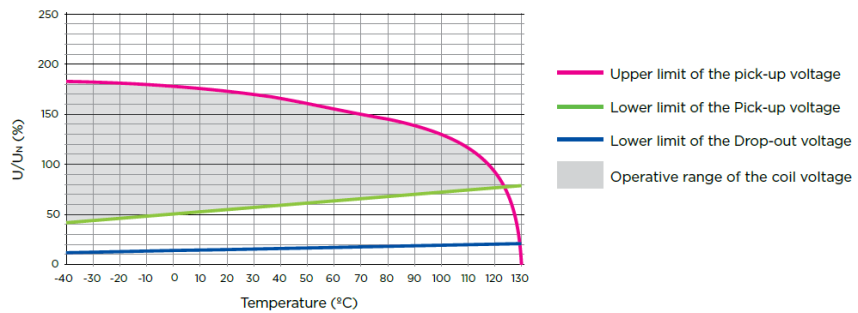
## TECHNICAL SPECIFICATIONS

### Electrical Characteristics

	CD-2DI	CF-4DI	CJ-8DI
Standard voltages	24, 48, 72, 96, 110, 125, 220 Vdc / 24, 48, 63,5, 110, 230 Vac (50-60Hz) (other voltages upon request)		
Voltage range	+25% -30% Un		
Consumption in permanence Un	2,6 W	3,9 W	6 W

Operative range against ambient temperature

Pick up voltage  
Drop out voltage



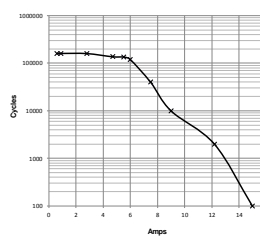
According to UNE EN 61810-1 part 5.2.2

Pick up time	<20ms
Drop out time	<50ms
Type of contacts	Changeover polarized
Material of the contacts	AgNi
Distance between contacts	1,2 mm
Permanent current	10A
Instantaneous current	30 A during 1s 80 A during 200 ms 200 A during 10 ms
Maximum make capacity	40A/ 0,5s/110Vdc

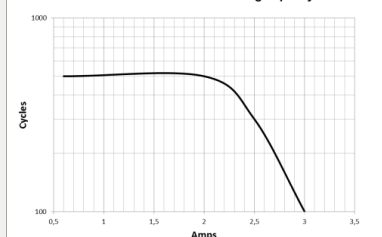
Breaking capacity

Contacts NO  
(High breaking capacity)

125 Vdc 40ms current breaking capacity



220Vdc 40ms current breaking capacity



Contacts NC  
(standard contacts)

125 VDC

(100.000 operations)

0ms

1,00 A

40ms

0,52 A

220 VDC

(50.000 operations)

0ms

0,57 A

40ms

0,27 A

Max. breaking capacity

See values for 100 operations

Umax Opened contacts

250Vdc/400Vac

## General data

Dielectric strength	2 kV/50 Hz/1 min
Impulse test	5 kV /1,2/50 $\mu$ s
Operating temperature	-40°C + 70°C (according to UNE EN 61810-1, part 5.2.1)
Storage temperature	-40°C + 70°C (according to UNE EN 61810-1, part 5.2.1)
Maximum humidity	93% /+40°C
Maximum height	<2000m (for bigger heights please consult)
Mechanical endurance	> 10 <sup>7</sup> operations
Shock & Vibration	according to IEC 60068-2-6, IEC 60068-2-27 & IEC 60068-2-29

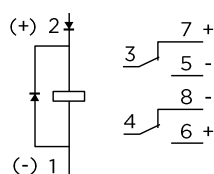
## General characteristics

	CD-2DI	CF-4DI	CJ-8DI
Nº Contacts	2 changeover polarized	4 changeover polarized	8 changeover polarized
Standard version	with LED		
Weight	129 gr	254 gr	505gr
Dimensions (mm)	22,5 x 50,4 x 72	42,5 x 50,4 x 72	82,5 x 50,4 x 72

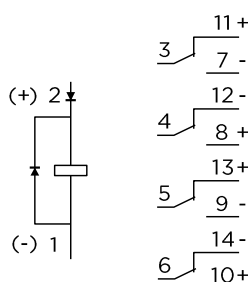
## CONNECTIONS

- > Contacts NO - High breaking capacity
- > Contacts NC – Standard contact

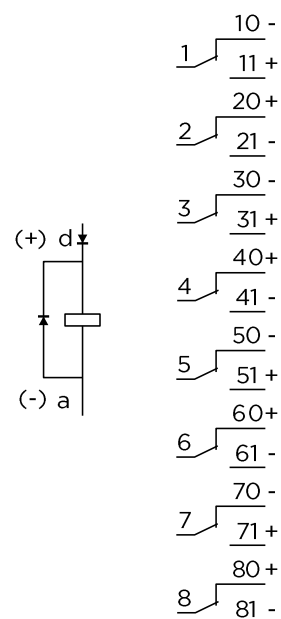
**CD-2DI**



**CF-4DI**



**CJ-8DI**



## SOCKETS

### General characteristics

	CD-2DI	CF-4DI	CJ-8DI
Model	DN-DE IP10	FN-DE IP10	JN-DE IP10
Terminals	Screws		
Weight	60 gr	110 gr	225 gr
Retaining clips	2 pieces E0	2 pieces E0	4 pieces E0
Mounting	Contactors can be mounted in any direction. Necessary distances are assured by IP10 sockets.		

