

TIME LAG CONTACTORS



CTF-2



CTF-4

APPLICATIONS

- > Opening inductive load in DC circuits

MAIN FEATURES

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



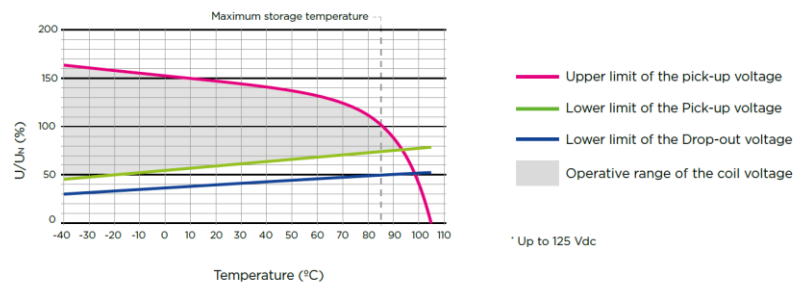
TECHNICAL SPECIFICATIONS

Electrical Characteristics

	CTF-2	CTF-4
Standard voltages	110 Vdc/Vac (50-60 Hz)*	
Voltage range	+25% -30% Un	
Consumption in permanence Un	2,6 W	3,9 W

*Operative range against ambient temperature.

Pick up voltage
Drop out voltage

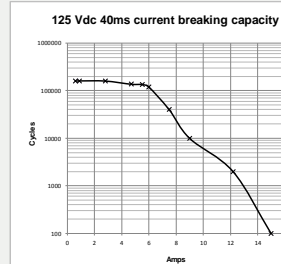


According to UNE EN 61810-1 part 5.2.2

Pick up time	<23ms
Drop out time	40ms
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

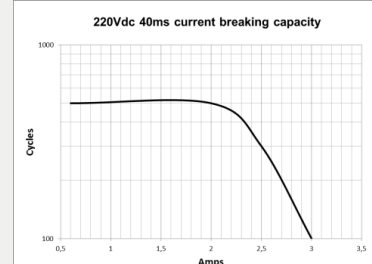
Breaking capacity

Contacts NO
(High breaking capacity)



125 VDC
(100.000 operations)

0ms	1,00 A
40ms	0,52 A



220 VDC
(50.000 operations)

0ms	0,57 A
40ms	0,27 A

Contacts NC
(standard contacts)

Max. breaking capacity

See values for 100 operations

U_{max} Opened contacts

250Vdc/400Vac

*Contact factory for other voltage levels

General data

Dielectric strength	2 kV/50 Hz/1 min
Impulse test	5 kV /1,2/50 µs
Operating temperature	-40°C + 85°C (according to UNE EN 61810-1, part 5.2.1)
Storage temperature	-40°C + 85°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 ⁷ operations
Shock & Vibration	according to IEC 60068-2-6, IEC 60068-2-27 & IEC 60068-2-29

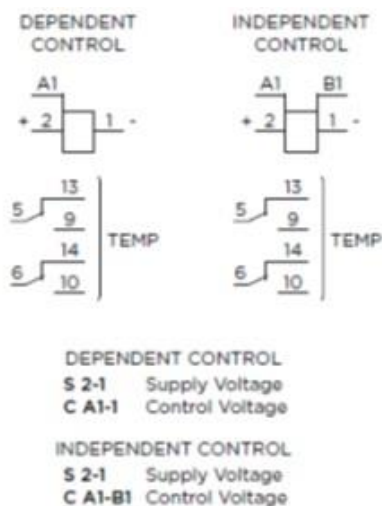
General characteristics

	CTF-2	CTF-4
Timing Contacts n°	2 changeover polarized	4 changeover polarized
Standard version	with LED	
Weight	265 gr	265 gr
Dimensions (mm)	42,5 x 50,4 x 96,6 (F large type)	42,5 x 50,4 x 96,6 (F large type)

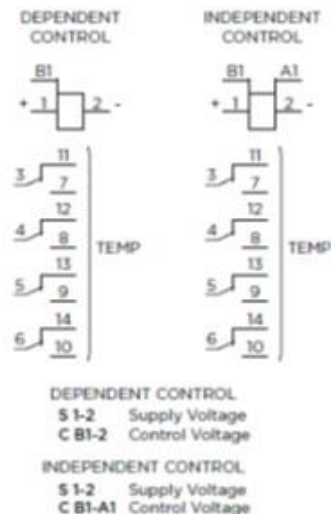
CONNECTIONS

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

CTF-2



CTF-4



SOCKETS

General characteristics

	CTF-2	CTF-4
Model	FN-DE IP10	FN-DE IP10
Terminals	Screws	
Weight	110 gr	110 gr
Retaining clips	2 pieces E0	2 pieces E0
Mounting	Contactors can be mounted in any direction. Necessary distances are assured by IP10 sockets.	

