

Date: 28.03.2014

## Contact Block: CTLF

### General Data

Type Reference:	CTLF
Description:	Illuminated electronic contact block with snap action
Approvals:	CCC, cCSAus, CE, GOST-R, NV, CE
Nature of contact:	1 inverter
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	Faston terminals 2 x 2.8mm x 0.8 mm
Contact material:	gold-plated 1.5µm
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 70°C, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LED's
Mechanical life:	1m operations
Electrical life (rated load):	1m operations at rated load
Contact resistance NO:	< 50 mOhm (new state)
Contact resistance NC:	< 100 mOhm (new state)
Bouncing time NO:	< 10ms
Bouncing time NC:	< 10ms

### Technical Data - Lamp

Lamp socket:	T5,5K
Max. lamp voltage:	60V
Max. lamp output:	1.2W
Definition:	X1...anode, X2...cathode

### Electrical Features

Rated voltage:	20mV ... 48V AC/DC
Rated current:	0.01mA ... 100mA

### Electrical Data acc. to EN 61058-1 "micro disconnection", µ

Rated voltage:	250V~
Rated current:	max. 100 mA
Contact opening distance:	< 3 mm (µ)
Creepage resistance:	II / PTI 400V
Insulation resistance:	> 100 MOhm/500 V
Test voltage:	500V (61058-1 Tab.12 )
Pollution degree :	2
Electrical life (additional test):	50000

### Note

The applicability of the "micro disconnection" (µ) acc. to EN 61058-1 is regulated in the relative product standards which have to be observed by the customer (product designer).

Faston terminals 2.8x0.8mm are not suitable for manual soldering.

### Elektrische Daten nach C22.2 No. 14-10

Rated voltage:	20mV ... 48V AC/DC
Rated current:	0.01mA ... 100mA

- subject to alterations -

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category:	AC12	DC12
Rated insulation voltage $U_i$ :	60V	60V
Rated operating voltage $U_e$ :	48V	48V
Rated operating current $I_e$ :	0.1A	0.1A
Continuous thermal current:	100mA	100mA

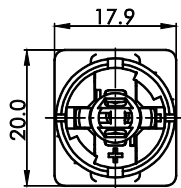
## Remark

GB14048.5-2008 (IEC60947-5-1)

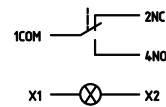
## Photo



## Dimensional drawing



## Circuit diagram



- subject to alterations -