

Illuminated Contact Unit, momentary CTLF

General Data

Type reference	CTLF
Description	Illuminated Electronic Contact Block with snap action
Approvals	CCC, cCSAus, CE, NV, CE
Nature of contact	1 inverter
Protection class	II (protective insulation)
Operation travel	3 mm
Connection type	Faston terminals 2.8x0.8 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 LEDs
Mechanical life	1 million switching cycles
Electrical life (rated load)	1 million 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 M Ω /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.

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)

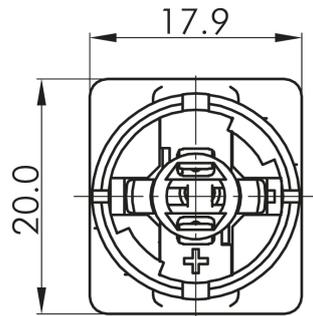
Elektrische Daten nach C22.2 No. 14-10

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

Illustration:



Dimensional drawing:



Wiring diagram:

