



General Data

Type reference:	CTLF, CTF, CTF_250, CTF_250
Approvals:	cCSAus, CE, cURus, DNVGL
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 MOhm/500 V
Test voltage:	500V (61058-1 Tab.12)
Pollution degree :	2
Electrical life (additional test):	50000

Note

types CTF_250, CTF_250:
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 C22.2 No. 14-10

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

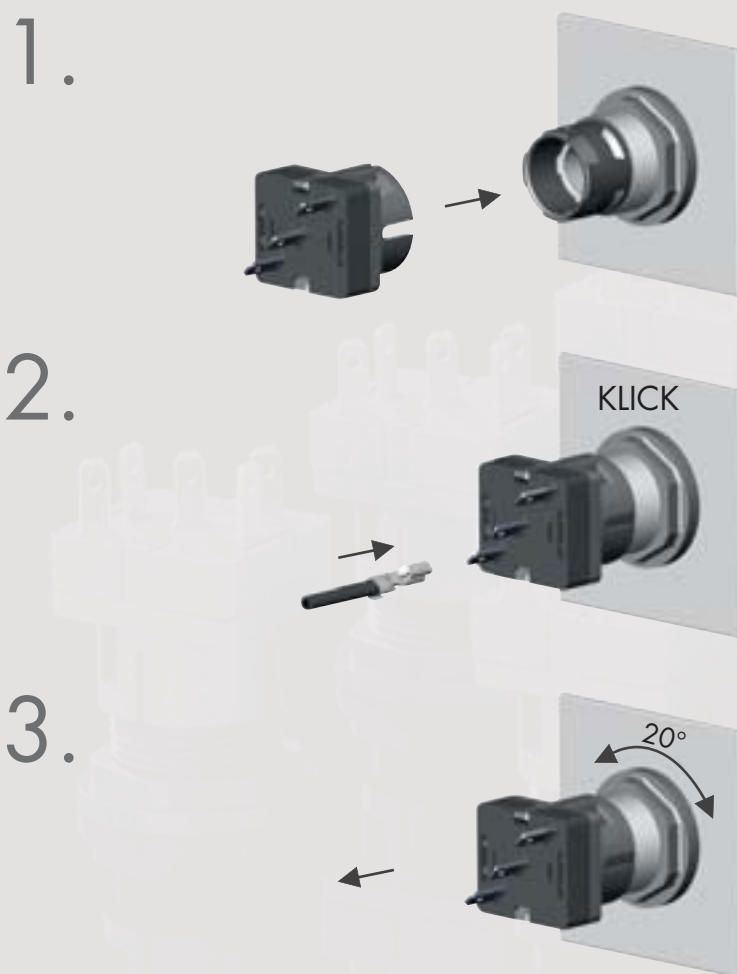

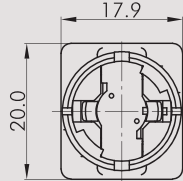
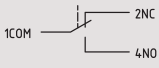


Illustration	Description	Type
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IP00
3mm








Contact block, momentary
1 inverter
 Faston terminals 2.8x0.8 mm


 C US

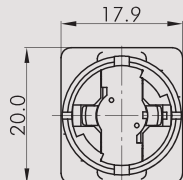
suitable pushbuttons and switches:

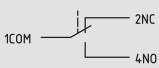


Contact material: gold-plated 1.5µm **CTF**



IP00
3mm



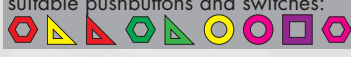




Contact block, momentary, for 250V~
1 inverter
 Faston terminals 2.8x0.8 mm
 EN 61058-1 µ
 250V~/100mA
 switching-off with small contact opening (µ)


 C US  US

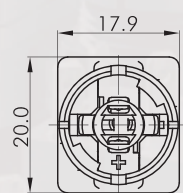
suitable pushbuttons and switches:

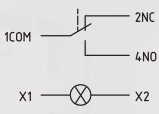


Contact material: gold-plated 1.5µm **CTF_250**



IP00
3mm



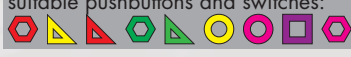




Illuminated contact block, momentary
1 inverter
 Faston terminals 2.8x0.8 mm
 Lamp socket T5,5K


 C US  US

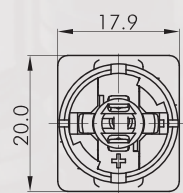
suitable pushbuttons and switches:

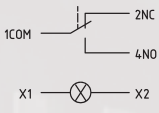


Contact material: gold-plated 1.5µm **CTLF**



IP00
3mm



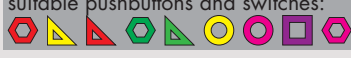




Illuminated contact block, momentary, for 250V~
1 inverter
 Faston terminals 2.8x0.8 mm
 EN 61058-1 µ
 250V~/100mA
 switching-off with small contact opening (µ)
 LED max. 60V
 Lamp socket T5,5K

 C US  US

suitable pushbuttons and switches:



Contact material: gold-plated 1.5µm **CTLF_250**

Contact blocks C...F

flat-plug connections

MADE IN GERMANY

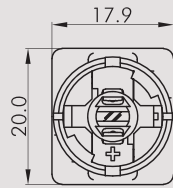


Illustration

Description

Type

IP00



Lampholder lampholder

Faston terminals 2.8x0.8 mm
Lamp socket T5,5K



suitable pilot light heads:



CLF

Accessories



Insulating case

for Faston clamp FH2,8, slip on from the front

IH2,8



Faston clamp 2.8 x 0.8 mm with snap-in pin

cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8

FH2,8



Double Faston

for the connection of 2 Faston clamps FH2.8

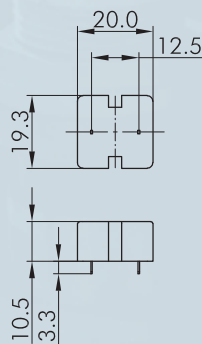
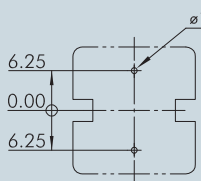
FD2,8



Plug-in socket with 2 contacts

for CLF
Connection type PCB-mount terminals

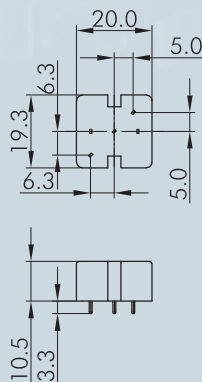
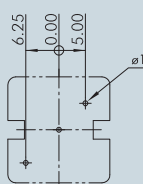
CAFP2



Plug-in socket with 3 contacts

for CTF
Connection type PCB-mount terminals

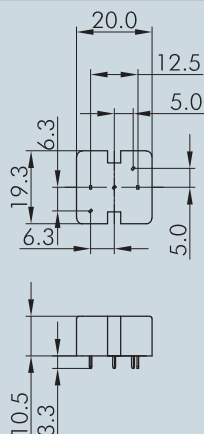
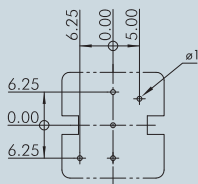
CAFP3



Illustration

Description

Type



Plug-in socket with 5 contacts

for CTLF
Connection type: PCB-mount terminals

CAFP5



Ultra-bright LED, T5,5K socket, 12V

with integrated series resistor and half-wave rectifier, for 12 V AC/DC (7/14 mA)
when connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature:
-25°C ... +80°C
ambient temperature:
-20°C ... +60°C
voltage tolerance:
+ 10 %

Colour: white **L5,5K12UW**



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA)
when connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature:
-25°C ... +80°C
ambient temperature:
-20°C ... +60°C
voltage tolerance:
+ 10 %

Colour: white **L5,5K24UW**



Two-colour LED, T5,5K socket - 24V

mit eingebautem Vorwiderstand
Farbe abhängig von der Polarität
Lagertemperatur:
-25°C ... +80°C
Umgebungstemperatur:
-20°C ... +60°C
Spannungstoleranz:
+ 10 %

Farbe:	rot	grün
Nennstrom [mA]:	14	13
Lichtstärken [mcd]:	2300	650
Dom. Wellenlänge [nm]:	625	525

Colour: red/green **L5,5K24RG**

Contact blocks C...F

flat-plug connections

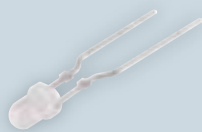
MADE IN GERMANY



Illustration

Description

Type



Ultra-bright LED

ready-made for CTP_485

Connection type: solder pins, grid 2.54 mm

Colour: white

LED3UW



LED adapter

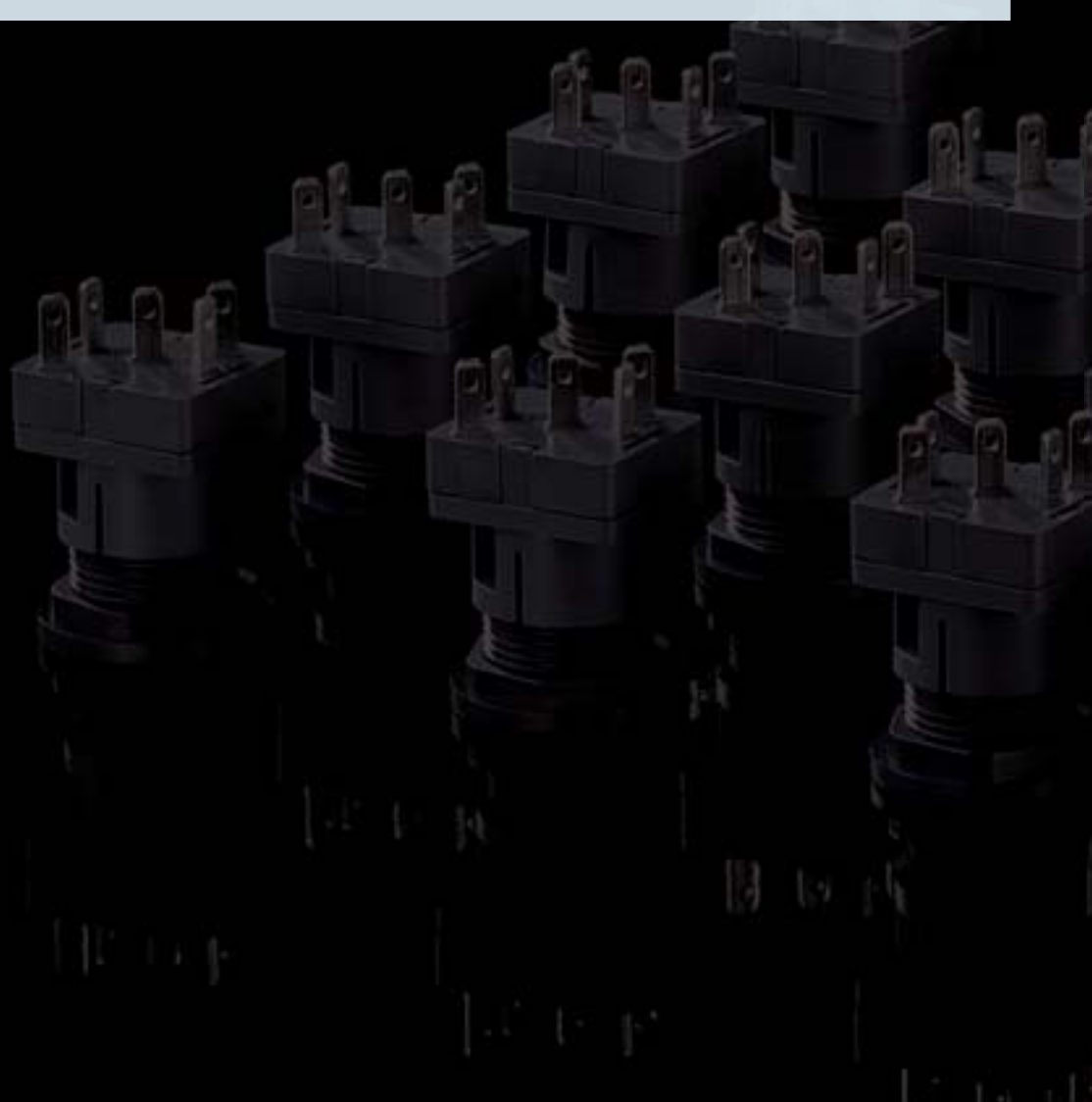
for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets

an external resistor must be provided

suitable contact blocks:



LA5,5



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Panel Mount Jacks

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