



## General Data

Type Reference:	CZ...
Description:	Electronic Contact Block with snap action
Approvals:	CCC, cCSAus, NV, CE
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	PCB-mount terminals
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 m switching cycles
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 IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category:	AC12	DC12
Rated insulation voltage Ui:	60V	60V
Rated operating voltage Ue:	48V	48V
Rated operating current Ie:	0.1A	0.1A
Continuous thermal current:	100mA	100mA

## Remark

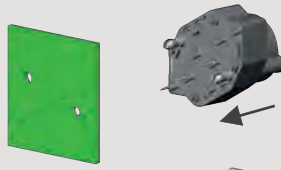
GB14048.5-2008 (IEC60947-5-1)

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

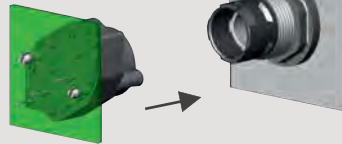
Rated voltage:	20mV ... 48V AC/DC
Rated current:	0.01mA ... 100mA

## Mounting Instructions

1.



2.



3.

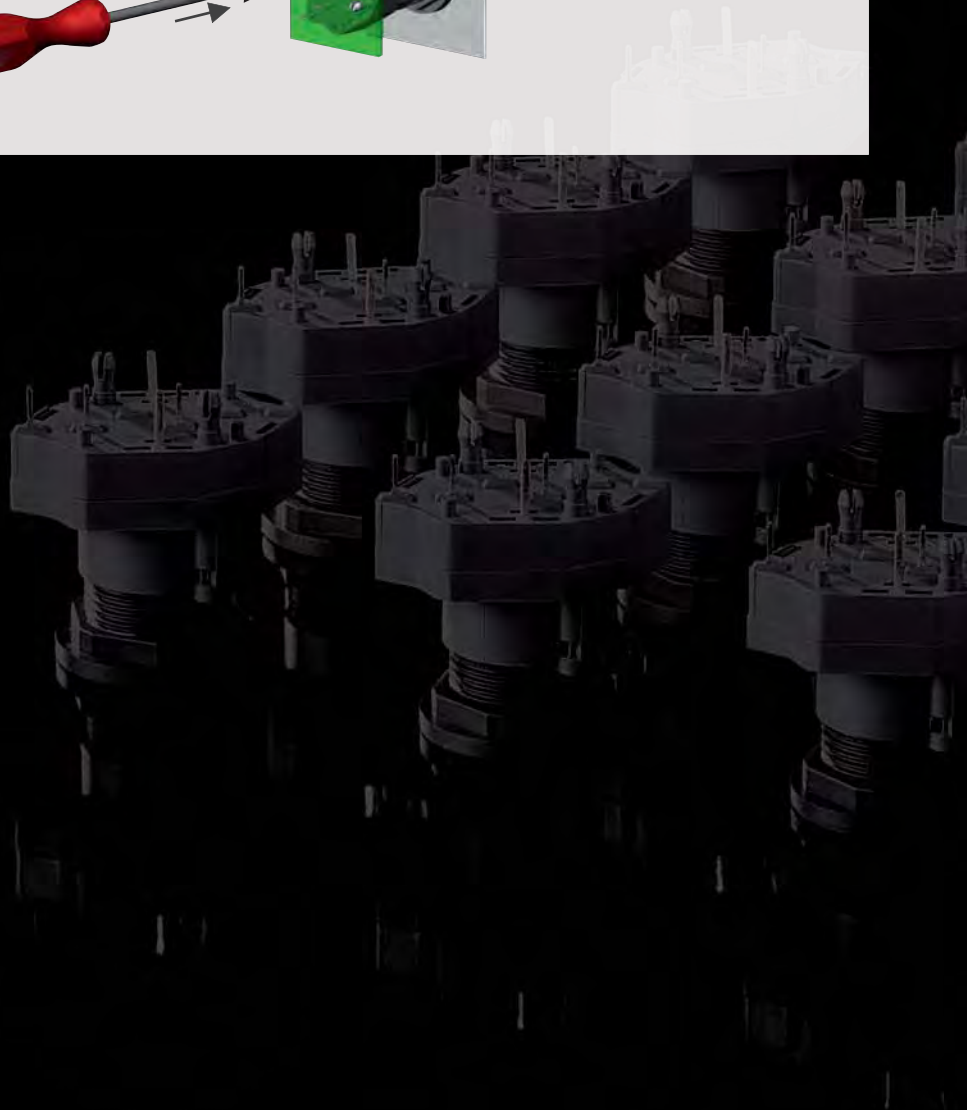
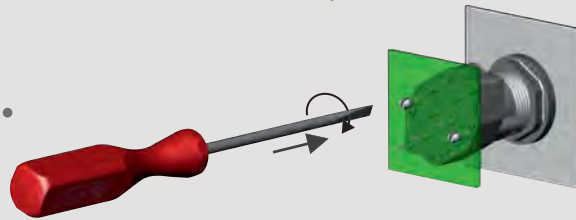

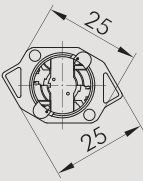
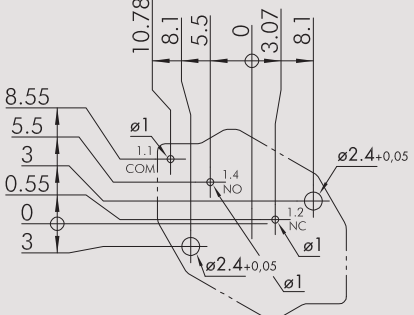
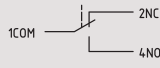



Illustration	Description	Type
--------------	-------------	------


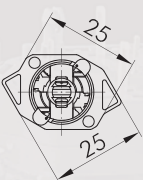
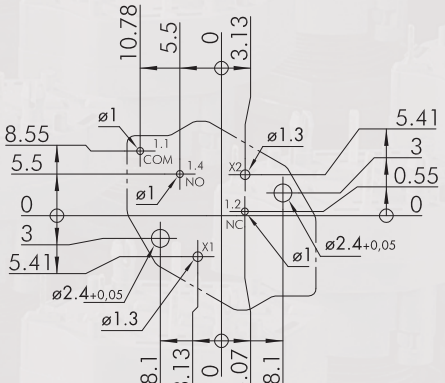


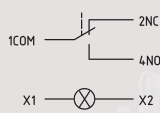
**Contact Unit, momentary  
1 inverter**  
PCB-mount terminals  
can only be combined with the contact units PTP... and C...\_485

suitable actuators




contact material gold-plated 1.5µm **CZTP**


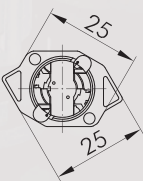
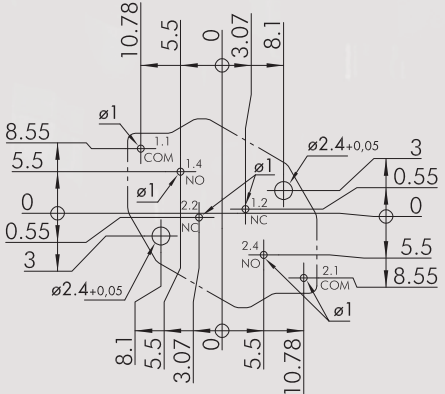


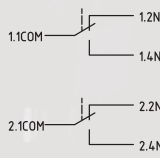
**Illuminated Contact Unit, momentary  
1 inverter**  
PCB-mount terminals  
can only be combined with the contact units PTP... and C...\_485  
lamp socket T5,5K

suitable actuators




contact material gold-plated 1.5µm **CZTLP**



**Contact Unit, momentary  
2 inverters**  
PCB-mount terminals  
2 independent single-circuit inverters,  
can only be combined with the contact units PTP... and C...\_485

suitable actuators



contact material gold-plated 1.5µm **CZTP2**

# Contact Blocks

PCB-mount terminals

made in germany

**SCHLEGEL**  
ELEKTROKONTAKT

About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

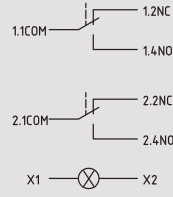
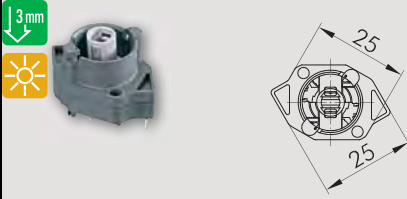
Limit Switches

Type Index

Illustration

Description

Type



### Illuminated Contact Unit, momentary 2 inverters

PCB-mount terminals  
2 independent single-circuit inverters  
can only be combined with the contact  
units PTP... and C...\_485

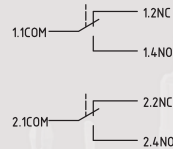
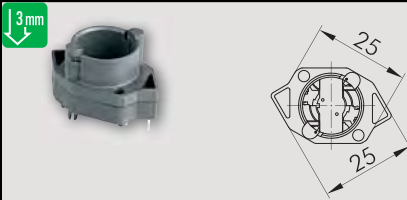
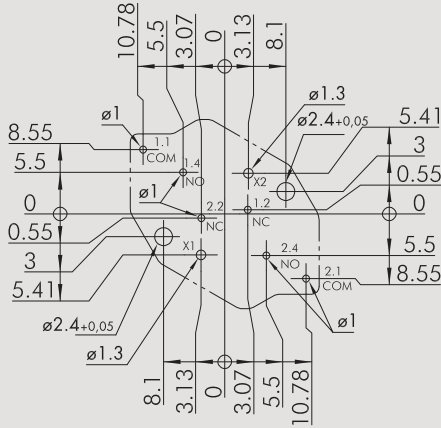
lamp socket T5,5K

suitable actuators



contact material gold-plated 1.5µm

**CZTLP2**



### Contact unit with two-piece plunger, momentary 2 inverters

PCB-mount terminals  
2 independent single-circuit inverters  
can only be combined with the contact  
units PTP... and C...\_485

suitable actuators



contact material gold-plated 1.5µm

**CZTP2\_549**

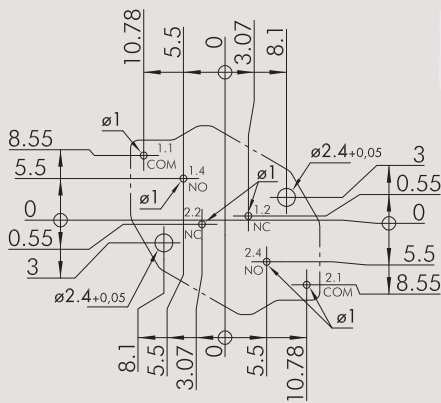

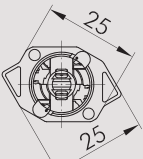
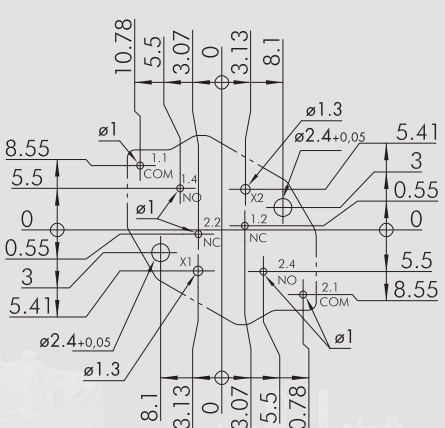


Illustration	Description	Type
--------------	-------------	------

1.1COM — 1.2NC  
1.4NO


2.1COM — 2.2NC  
2.4NO

X1 — X2

**Illuminated Contact Unit with two-piece plunger 2 inverters**


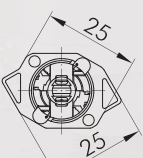
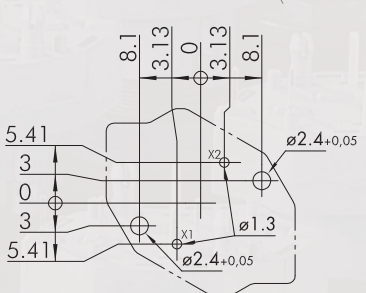
PCB-mount terminals  
2 independent single-circuit inverters can only be combined with the contact units PTP... and C...\_485

lamp socket T5,5K

suitable actuators 

contact material gold-plated 1.5µm

**CZTLP2\_549**






X1 — X2


**Lampholder**

PCB-mount terminals  
can only be combined with the contact units PTP... and C...\_485

lamp socket T5,5K

suitable pilot light heads 

**CZLP**



**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**

# Contact Blocks

PCB-mount terminals

made in germany



About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

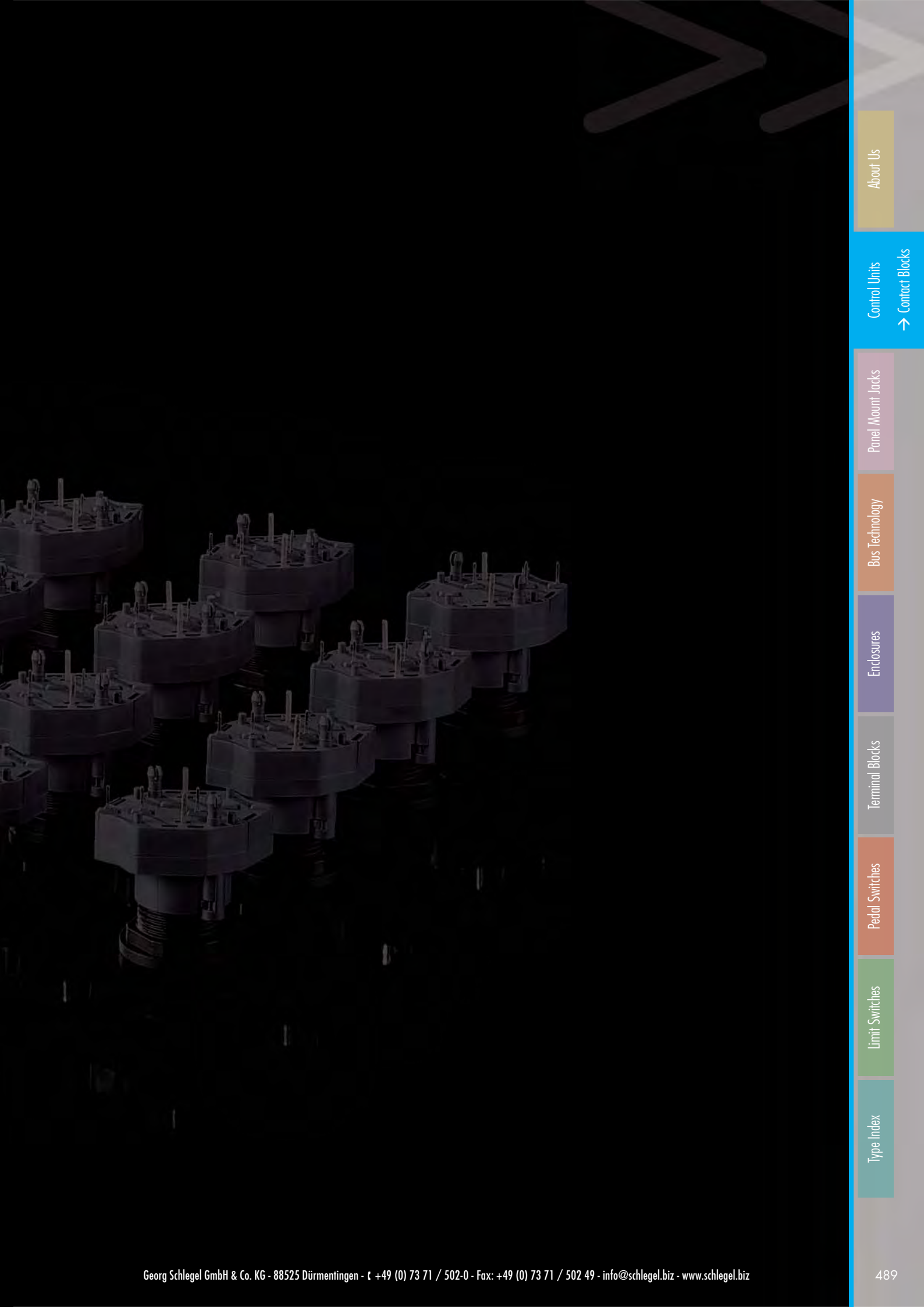
Terminal Blocks

Pedal Switches

Limit Switches

Type Index

Illustration	Description	Type												
	<p><b>Ultra-bright LED, T5,5K socket, 24V</b>                      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</p>	<b>L5,5K24UW</b>												
	<p><b>Two-colour LED, T5,5K socket - 24V</b>                      with integrated series resistor colour dependent on polarity                      Storage temperature: -25°C ... +80°C                      Ambient temperature: -20°C ... +60°C                      Voltage tolerance: + 10 %</p> <table border="1"> <tr> <td>Colour:</td> <td>red</td> <td>green</td> </tr> <tr> <td>Rated current [mA]:</td> <td>14</td> <td>13</td> </tr> <tr> <td>Brightness [mcd]:</td> <td>2300</td> <td>650</td> </tr> <tr> <td>Dominant wavelength: [nm]</td> <td>625</td> <td>525</td> </tr> </table> <p>colour red/green</p>	Colour:	red	green	Rated current [mA]:	14	13	Brightness [mcd]:	2300	650	Dominant wavelength: [nm]	625	525	<b>L5,5K24RG</b>
Colour:	red	green												
Rated current [mA]:	14	13												
Brightness [mcd]:	2300	650												
Dominant wavelength: [nm]	625	525												
	<p><b>Ultra-bright LED</b>                      solder pins, grid 2.54 mm                      ready-made for CTP_485                      3680 mcd white</p>	<b>LED3UW</b>												
	<p><b>LED Adapter</b>                      for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets,                      an external resistor must be provided.</p> <p>lamp socket T5,5K</p>	<b>LA5,5</b>												



About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index