



**General Data**

Type reference:	BF...K Description: Contact block
Approvals:	CCC, cCSAus, DNVGL, ENEC10, VDE, CE, UR
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	screw connection
Contact material:	AgNi
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:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA
Min. voltage:	5 V
Bouncing time NO:	< 10ms
Bouncing time NC:	< 10ms

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

Utilisation category:	alternate current	direct current
Rated insulation voltage Ui:	AC15 B300	DC13 Q300
Rated operating voltage Ue:	250 V	300 V
Rated operating current Ie:	250 V	250V / 125V / 60V / 24V
Rated operating current Ie:	1.5A	0.2A / 0.4A / 1A / 2A
Breaking capacity:	10Ie	1,1Ie
Continuous thermal current:	6 A	

**Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)**

Rated voltage Ue:	250 V~
Rated current Ie:	6(4) A
Technical Data - Lamp	
Lamp socket:	T5,5K / W2x4,6d
Max. lamp voltage:	60V
Max. lamp output:	1.2W
Definition:	X1...anode, X2...cathode

**Electrical features - 5µm gold-plating, type addition AU**

Operational voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA
Contact resistance (new state):	< 50 mOhm
Tightening torque (screw terminal):	0.4 Nm
Additional electrical data	
Overvoltage category:	II

**Note**

O = NC contact; I = NO contact

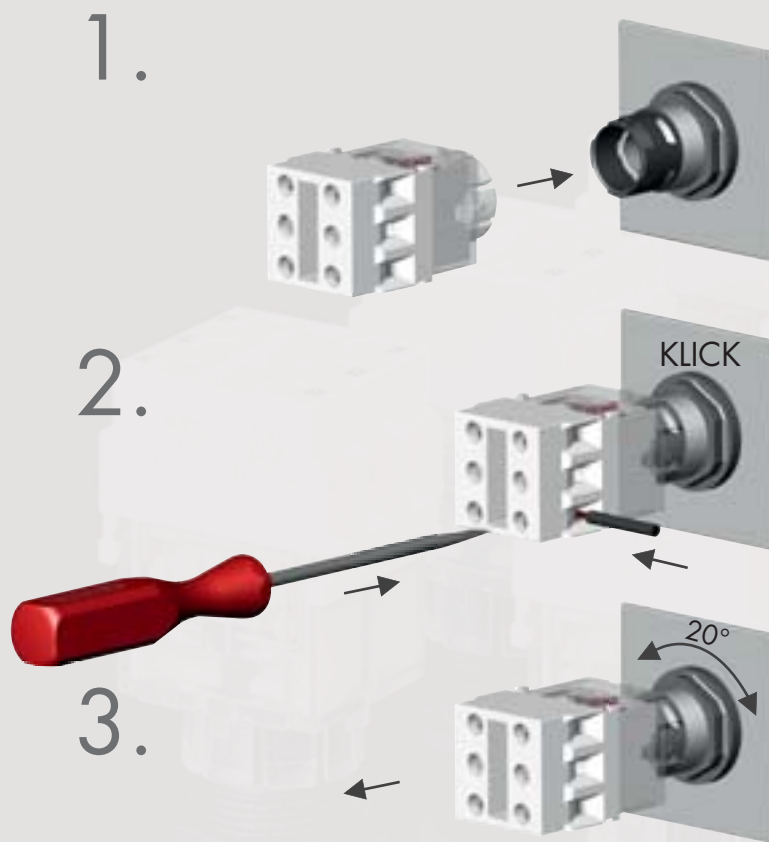

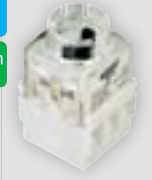
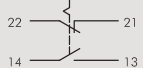


Illustration	Description	Type
--------------	-------------	------


**IP00**  






0	1	2	3
22/21	█	█	█
14/13	█	█	█




**Contact block, maintained**  
**1NC + 1NO**  
 screw connection 2.5 mm<sup>2</sup>

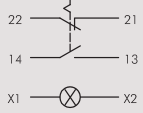
suitable pushbuttons and switches:  


Contact material: AgNi **BFK**


**IP00**  
  






0	1	2	3
22/21	█	█	█
14/13	█	█	█




**Illuminated contact block, maintained, W2x4,6d**  
**1NC + 1NO**  
 screw connection 2.5 mm<sup>2</sup>  
 Lamp socket W2x4,6d

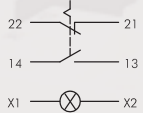
suitable pushbuttons and switches:  


Contact material: AgNi **BFLK**


**IP00**  
  





0	1	2	3
22/21	█	█	█
14/13	█	█	█




**Illuminated contact block, maintained, T5,5K**  
**1NC + 1NO**  
 screw connection 2.5 mm<sup>2</sup>  
 Lamp socket T5,5K

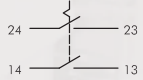
suitable pushbuttons and switches:  


Contact material: AgNi **BFL5K**


**IP00**  






0	1	2	3
24/23	█	█	█
14/13	█	█	█

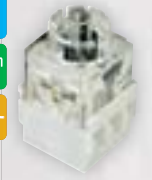


**Contact block, maintained**  
**2NO**  
 screw connection 2.5 mm<sup>2</sup>

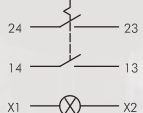
suitable pushbuttons and switches:  


Contact material: AgNi **BFLIK**


**IP00**  
  






0	1	2	3
24/23	█	█	█
14/13	█	█	█




**Illuminated contact block, maintained, W2x4,6d**  
**2NO**  
 screw connection 2.5 mm<sup>2</sup>  
 Lamp socket W2x4,6d

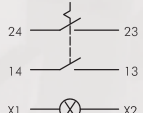
suitable pushbuttons and switches:  


Contact material: AgNi **BFLIK**


**IP00**  
  




0	1	2	3
24/23	█	█	█
14/13	█	█	█



**Illuminated contact block, maintained, T5,5K**  
**2NO**  
 screw connection 2.5 mm<sup>2</sup>  
 Lamp socket T5,5K

suitable pushbuttons and switches:  


Contact material: AgNi **BFL5IK**

# Contact blocks BT/BF...K

screw connections

MADE IN GERMANY

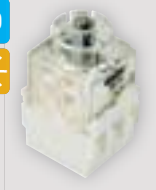


Illustration

Description

Type

IP00



## Lampholder W2x4,6d lampholder

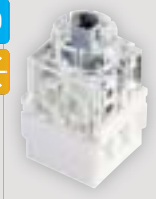
screw connection 2.5 mm<sup>2</sup>  
Lamp socket W2x4,6d

suitable pilot light heads:



BL4K

IP00



## Lampholder T5,5K lampholder

screw connection 2.5 mm<sup>2</sup>  
Lamp socket T5,5K

suitable pilot light heads:



BL5K

## Accessories



### Ultra-bright LED, W2x4,6d socket, 12V

with half-wave rectifier, for 12 V AC/DC  
(6/12 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

L2X4,6-12UW



### Ultra-bright LED, W2x4,6d socket, 24V

with half-wave rectifier, for 24 V AC/DC  
(2/4 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

L2X4,6-24UW

About Us

Bushbuttrons/Switches

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD

Enclosures

Pedal Switches

Terminal Blocks

Type Index



Illustration

Description

Type



**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**



**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



**LA5,5**

# Kontaktgeber BF...K

screw connections

MADE IN GERMANY

**SCHLEGEL**  
ELEKTROKONTAKT

About Us

Bushbuttons/Switches

→ Contact Blocks

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration

Description

Type



## Voltage reducer to operate an LED at 230V AC

- max. 12mA with LD9-24V/L5,5K24...
- with overvoltage protection
- attention: no electrical isolation
- there could be a dangerous voltage on the lampholder

Connection type: Faston terminals  
2.8x0.8 mm

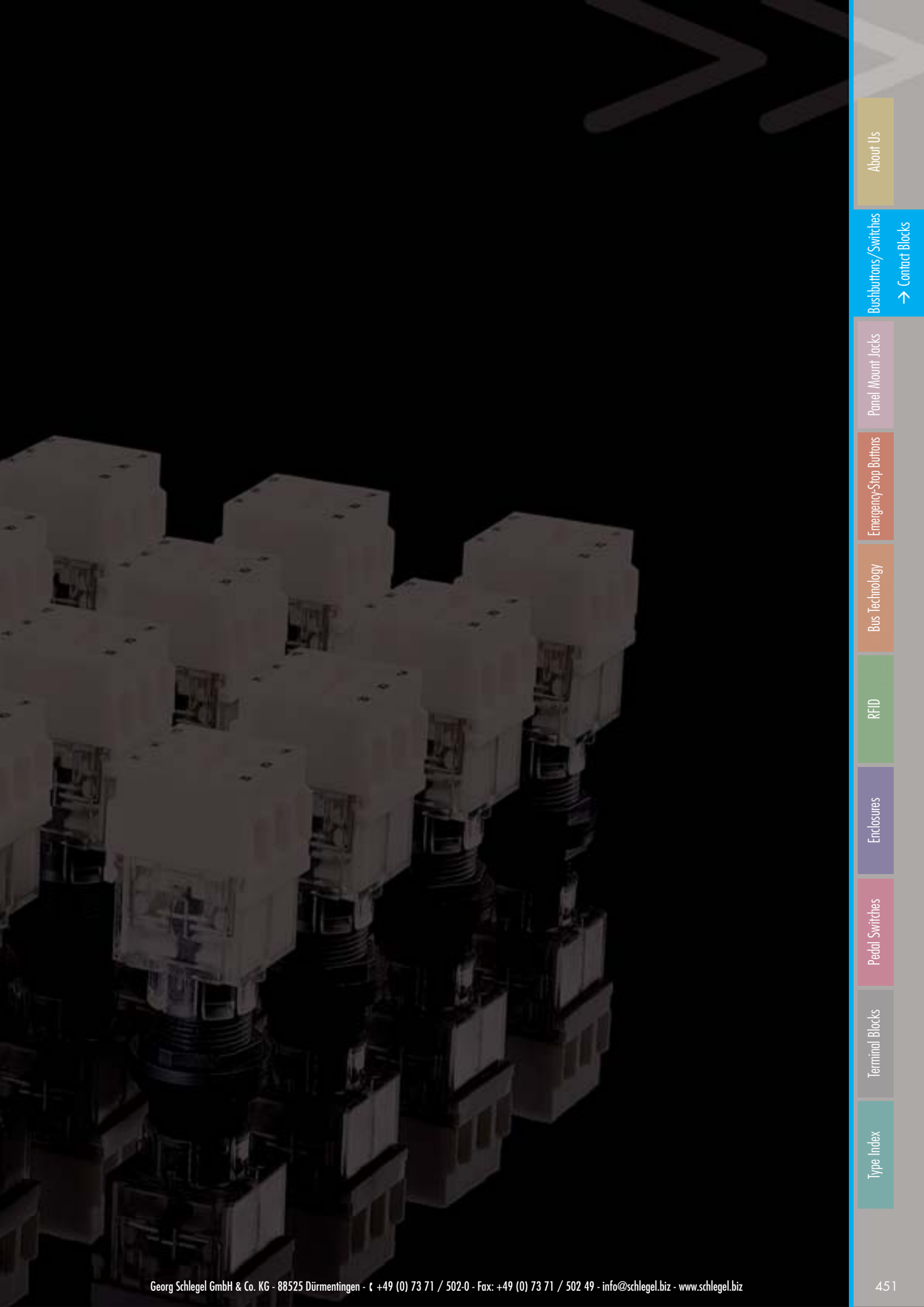
VE\_LED230\_S



## Cable set with wire end ferrules

suitable for VE\_LED230

VE\_VKAE



[About Us](#)

[Bushbuttons/Switches](#)

[→ Contact Blocks](#)

[Panel Mount Jacks](#)

[Emergency-Stop Buttons](#)

[Bus Technology](#)

[RFID](#)

[Enclosures](#)

[Pedal Switches](#)

[Terminal Blocks](#)

[Type Index](#)