



General Data

Type reference:	BZ...K
Description:	Twin contact block, separate plungers, positive opening contact
Approvals:	CCC, cCSAus, DNVGL, ENEC10, VDE, CE, TÜV_Süd, Zwangsöffnung, 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
Positive opening contact:	acc. to EN60947-5-1, appendix K

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

	alternate current	direct current
Utilisation category:	AC15 B300	DC13 Q300
Rated insulation voltage U_i :	250 V	300 V
Rated operating voltage U_e :	250 V	250V / 125V / 60V / 24V
Rated operating current I_e :	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 U_e :	250 V~
Rated current I_e :	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
Additional data	
Tightening torque (screw terminal):	0.4 Nm

Note

O = NC contact; I = NO contact

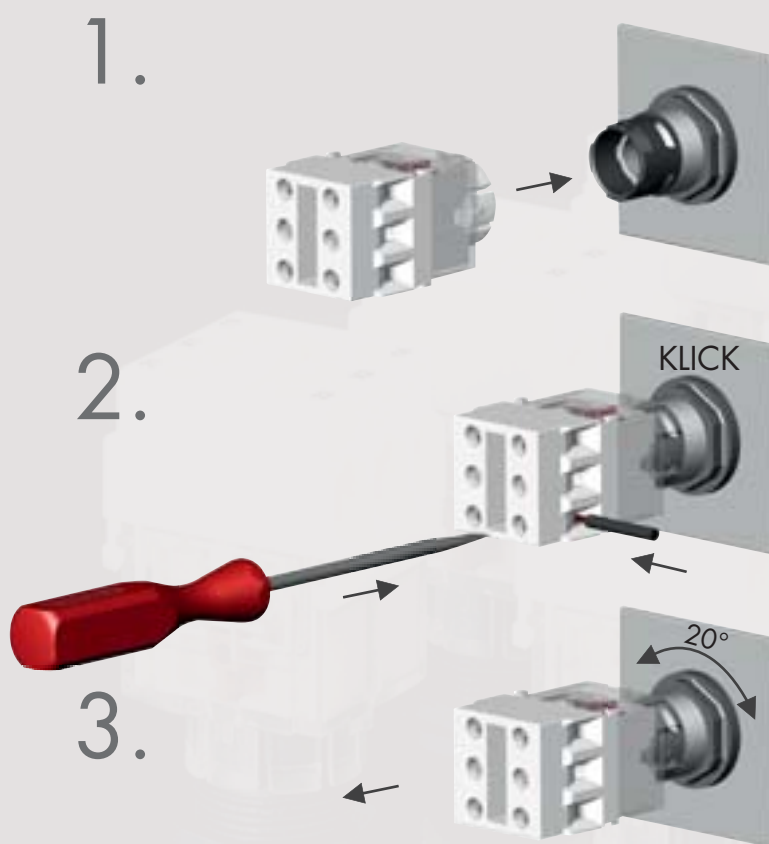

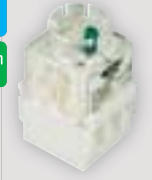
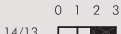
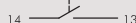





Illustration	Description	Type
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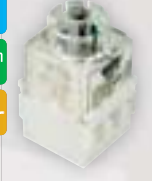
IP00


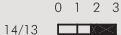

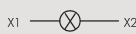



14/13  



Contact block, momentary
1NO
 screw connection 2.5 mm²
 suitable pushbuttons and switches:

 Contact material: AgNi **BZIK**


IP00



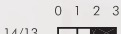
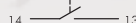
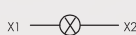



14/13   


Illuminated contact block, momentary, W2x4,6d
1NO
 screw connection 2.5 mm²
 Lamp socket W2x4,6d
 suitable pushbuttons and switches:

 Contact material: AgNi **BZLIK**


IP00



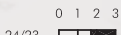

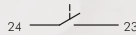
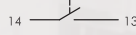



14/13   



Illuminated contact block, momentary, T5,5K
1NO
 screw connection 2.5 mm²
 Lamp socket T5,5K
 suitable pushbuttons and switches:

 Contact material: AgNi **BZLIK**


IP00


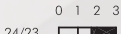



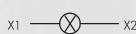



24/23 
 14/13   



Contact block, momentary
2NO
 screw connection 2.5 mm²
 suitable pushbuttons and switches:

 Contact material: AgNi **BZLIK**


IP00



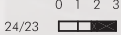


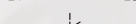
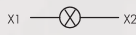



24/23 
 14/13    

Illuminated contact block, momentary, W2x4,6d
2NO
 screw connection 2.5 mm²
 Lamp socket W2x4,6d
 suitable pushbuttons and switches:

 Contact material: AgNi **BZLIK**

IP00





24/23 
 14/13    

Illuminated contact block, momentary, T5,5K
2NO
 screw connection 2.5 mm²
 Lamp socket T5,5K
 suitable pushbuttons and switches:

 Contact material: AgNi **BZLIK**

Contact blocks BZ...K

screw connections

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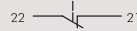
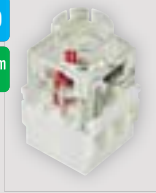
Illustration

Description

Type

IP00

3 mm



Contact block, momentary

1NC

screw connection 2.5 mm²



suitable pushbuttons and switches:

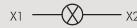
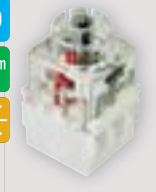


Contact material: AgNi

BZOK

IP00

3 mm



Illuminated contact block, momentary, W2x4,6d

1NC

screw connection 2.5 mm²

Lamp socket W2x4,6d



suitable pushbuttons and switches:

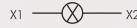
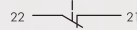
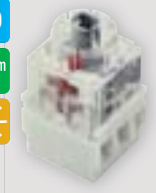


Contact material: AgNi

BZLOK

IP00

3 mm



Illuminated contact block, momentary, T5,5K

1NC

screw connection 2.5 mm²

Lamp socket T5,5K



suitable pushbuttons and switches:

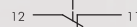
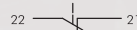
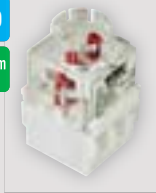


Contact material: AgNi

BZLO5K

IP00

3 mm



Contact block, momentary

2NC

screw connection 2.5 mm²



suitable pushbuttons and switches:

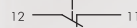
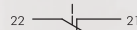
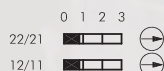
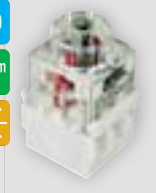


Contact material: AgNi

BZOOK

IP00

3 mm



Illuminated contact block, momentary, W2x4,6d

2NC

screw connection 2.5 mm²

Lamp socket W2x4,6d



suitable pushbuttons and switches:



Contact material: AgNi

BZLOOK


Illustration

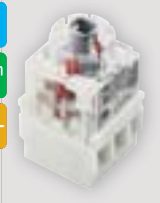
Description

Type


IP00


↓ 3mm





0 1 2 3

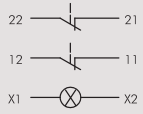
22/21  →

12/11  →


22 — 21

12 — 11


X1 — X2



Illuminated contact block, momentary, T5,5K
2NC
screw connection 2.5 mm²
Lamp socket T5,5K



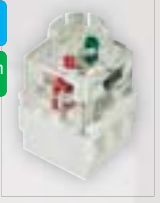
suitable pushbuttons and switches:




Contact material: AgNi **BZL005K**


IP00

↓ 3mm



0 1 2 3


22/21  →

14/13  →


22 — 21

14 — 13

Contact block, momentary
1NC + 1NO
screw connection 2.5 mm²




suitable pushbuttons and switches:

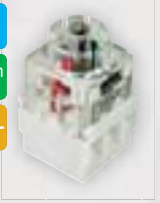


Contact material: AgNi **BZ01K**


IP00


↓ 3mm





0 1 2 3

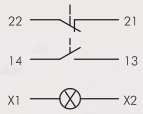
22/21  →

14/13  →


22 — 21

14 — 13


X1 — X2



Illuminated contact block, momentary, W2x4,6d
1NC + 1NO
screw connection 2.5 mm²
Lamp socket W2x4,6d




suitable pushbuttons and switches:




Contact material: AgNi **BZL01K**


IP00


↓ 3mm





0 1 2 3

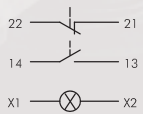
22/21  →

14/13  →


22 — 21

14 — 13


X1 — X2



Illuminated contact block, momentary, T5,5K
1NC + 1NO
screw connection 2.5 mm²
Lamp socket T5,5K



suitable pushbuttons and switches:



Contact material: AgNi **BZL015K**

Contact blocks BZ...K

screw connections

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Illustration

Description

Type

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



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

About Us

Bushings/Switches

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD


Enclosures

Pedal Switches

Terminal Blocks



Type Index

Illustration	Description	Type
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Two-colour LED, T5,5K socket - 24V
 with built-in series resistor
 colour depending on the polarity
 storage temperature:
 -25°C ... +80°C+80°C
 ambient temperature:
 -20°C ... +60°C+60°C
 voltage tolerance
 + 10 %+ 10 %
 colour: red green
 rated current [mA]: 14 13
 brightness [mcd]: 2300 650
 dominant wave length [nm]: 625 525

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





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:

A	AZ	B	B...x	BZ	BZ...x	B439	CT	CTF	CTP
CZ									

LA5,5




Ultra-bright LED
 ready-made for CTP_485
 Connection type: solder pins, grid 2.54 mm

Colour: white **LED3UW**



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

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 → Contact Blocks

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Type Index