



General Data

Type reference:	BZ... (without screw connection)
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:	Faston terminals 2.8x0.8 mm / PCB-mount terminals
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 Ui:	250 V	300 V
Rated operating voltage Ue:	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

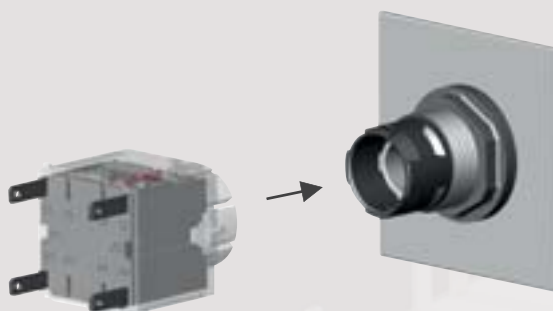
Electrical features - 5µm gold-plating, type addition AU

Operational voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA
Contact resistance (new state):	< 50 mOhm

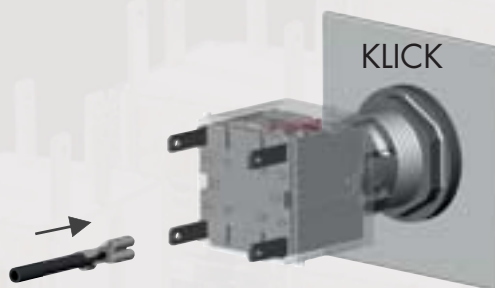
Note

O = NC contact; I = NO contact

1.



2.



3.

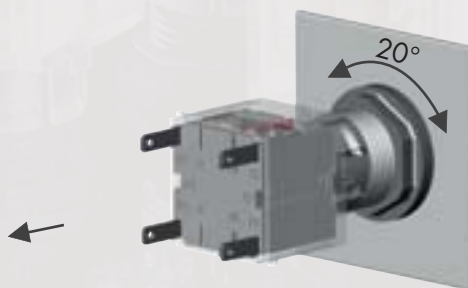

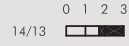
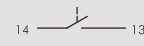



Illustration	Description	Type
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IP00
3mm


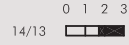
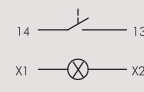
Contact block, momentary
1NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP411

suitable pushbuttons and switches:




Contact material: AgNi **BZI**
AgNi, gold-plated **BZI_AU**

IP00
3mm


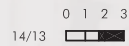
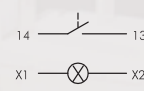
Illuminated contact block, momentary, W2x4,6d
1NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP611
Lamp socket W2x4,6d

suitable pushbuttons and switches:




Contact material: AgNi **BZLI**
AgNi, gold-plated **BZLI_AU**

IP00
3mm


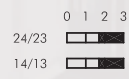
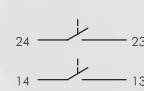
Illuminated contact block, momentary, T5,5K
1NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP611
Lamp socket T5,5K

suitable pushbuttons and switches:




Contact material: AgNi **BZLI5**
AgNi, gold-plated **BZLI5_AU**

IP00
3mm


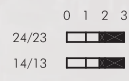
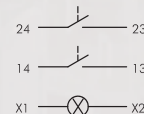
Contact block, momentary
2NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP411

suitable pushbuttons and switches:



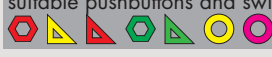
Contact material: AgNi **BZII**
AgNi, gold-plated **BZII_AU**

IP00
3mm

Illuminated contact block, momentary, W2x4,6d
2NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP611
Lamp socket W2x4,6d

suitable pushbuttons and switches:



Contact material: AgNi **BZLII**
AgNi, gold-plated **BZLII_AU**

Contact blocks BZ...

flat-plug connections

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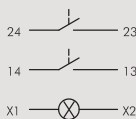
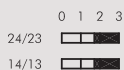
Illustration

Description

Type

IP00

3 mm



Illuminated contact block, momentary, T5,5K

2NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP611
Lamp socket T5,5K

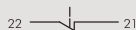
suitable pushbuttons and switches:



Contact material: AgNi **BZLI5**
AgNi, gold-plated **BZLI5_AU**

IP00

3 mm



Contact block, momentary

1NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP4



suitable pushbuttons and switches:



Contact material: AgNi **BZO**
AgNi, gold-plated **BZO_AU**

IP00

3 mm



Illuminated contact block, momentary, W2x4,6d

1NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP6
Lamp socket W2x4,6d



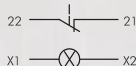
suitable pushbuttons and switches:



Contact material: AgNi **BZLO**
AgNi, gold-plated **BZLO_AU**

IP00

3 mm



Illuminated contact block, momentary, T5,5K

1NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP6
Lamp socket T5,5K



suitable pushbuttons and switches:



Contact material: AgNi **BZLO5**
AgNi, doré **BZLO5_AU**

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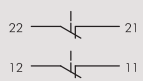
Type Index

Illustration Description Type

IP00


↓ 3mm



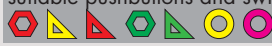



Contact block, momentary
2NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP4




suitable pushbuttons and switches:


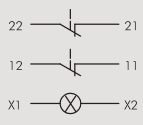


Contact material: AgNi **BZ00**
AgNi, gold-plated **BZ00_AU**

IP00


↓ 3mm



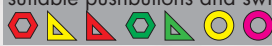



Illuminated contact block, momentary, W2x4,6d
2NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP6
Lamp socket W2x4,6d




suitable pushbuttons and switches:

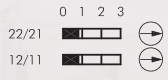
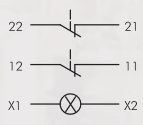


Contact material: AgNi **BZL00**
AgNi, gold-plated **BZL00_AU**

IP00


↓ 3mm







Illuminated contact block, momentary, T5,5K
2NC

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP6
Lamp socket T5,5K




suitable pushbuttons and switches:

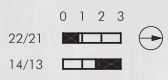
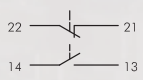


Contact material: AgNi **BZL005**
AgNi, gold-plated **BZL005_AU**

IP00


↓ 3mm







Contact block, momentary
1NC + 1NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP601



suitable pushbuttons and switches:



Contact material: AgNi **BZ01**
AgNi, gold-plated **BZ01_AU**

Contact blocks BZ...

flat-plug connections

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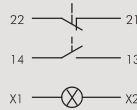
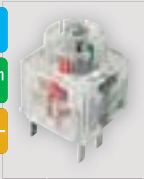
Illustration

Description

Type

IP00

3 mm



Illuminated contact block, momentary, W2x4,6d 1NC + 1NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP601
Lamp socket W2x4,6d



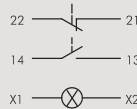
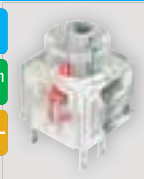
suitable pushbuttons and switches:



Contact material: AgNi **BZL01**
AgNi, gold-plated **BZL01_AU**

IP00

3 mm



Illuminated contact block, momentary, T5,5K 1NC + 1NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP601
Lamp socket T5,5K



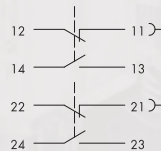
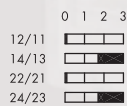
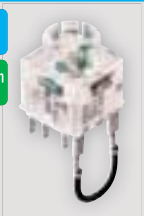
suitable pushbuttons and switches:



Contact material: AgNi **BZL015**
AgNi, gold-plated **BZL015_AU**

IP00

3 mm



Contact block, momentary 1NC + 2NO

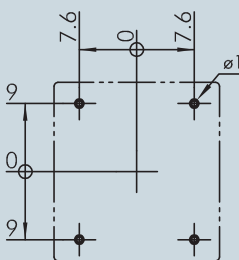
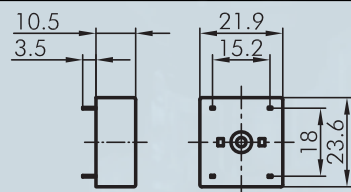
Faston terminals 2.8x0.8 mm

suitable pushbuttons and switches:



Contact material: AgNi **BZ_494**

Accessories



Plug-in socket with 4 contacts

Connection type: PCB-mount terminals



XAP4

Contact blocks BZ...

flat-plug connections

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Illustration	Description	Type
	<p>Insulating case for Faston clamp FH2,8, slip on from the front</p>	IH2,8
	<p>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</p>	FH2,8
	<p>Double Faston for the connection of 2 Faston clamps FH2.8</p>	FD2,8
	<p>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 %</p>	<p>Colour white L2X4,6-12UW</p>
	<p>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 %</p>	<p>Colour: white L2X4,6-24UW</p>

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
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:



LA5,5



Ultra-bright LED

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

Colour: white **LED3UW**

Contact blocks BZ...

flat-plug connections

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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 Faston connections

suitable for VE_LED230

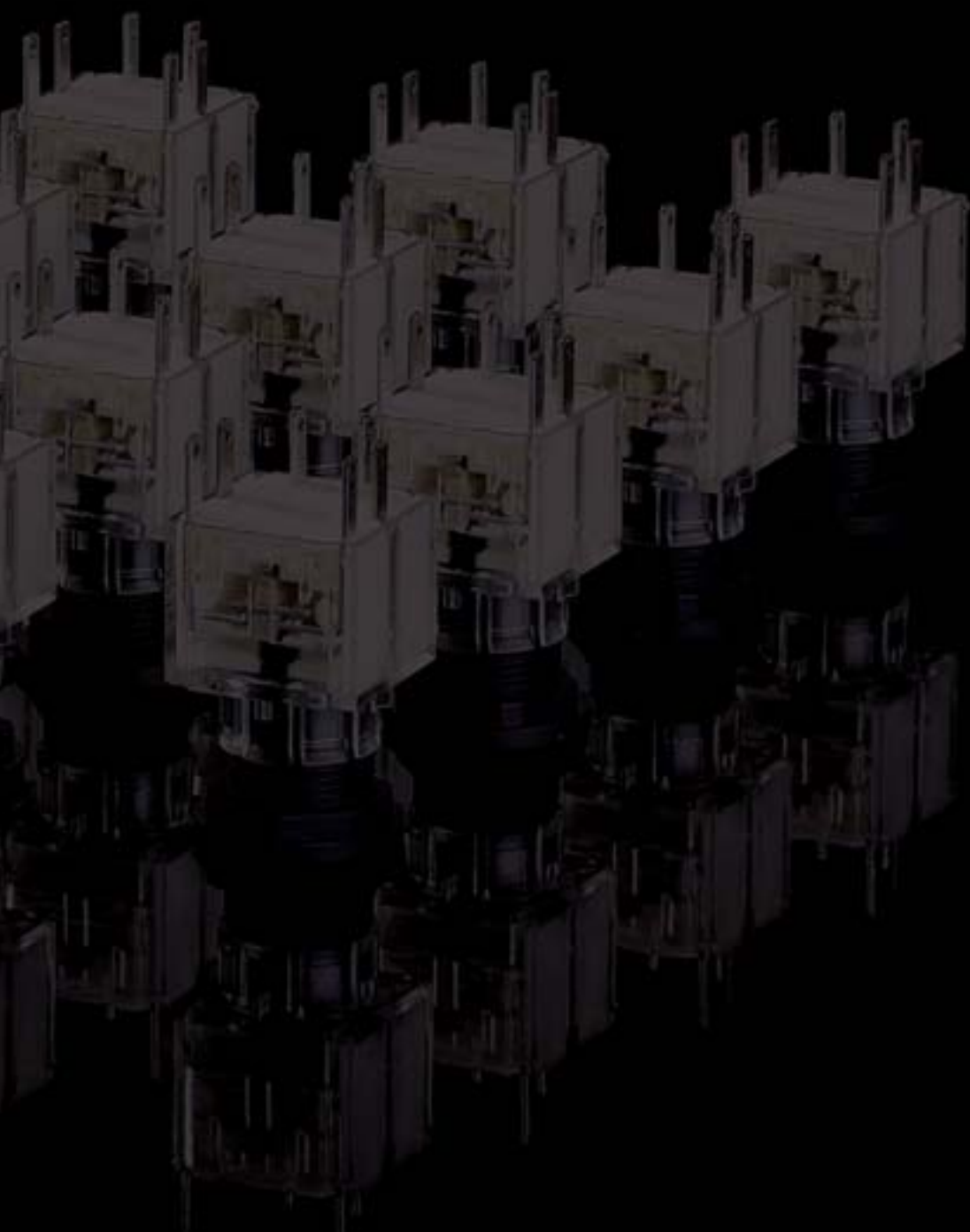
VE_VK2,8



Cable set with wire end ferrules

suitable for VE_LED230

VE_VKAE



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