



General Data

Type Reference:	BZ... (without screw connection)
Description:	Twin Contact Block, separate plungers, positive opening contact
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, NV, TÜV_Süd, positive opening contact, 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 LED's
Mechanical life:	1 m switching cycles
Electrical life (rated load):	1m 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)

Utilisation category:	alternate current AC15 B300	direct current DC13 Q600
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

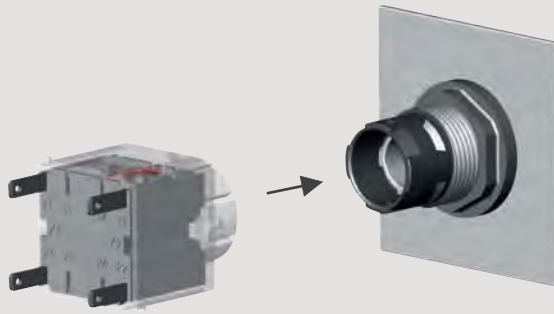
Lamp socket:	T5,5K / W2x4,6d
Max. lamp voltage:	60V
Max. lamp output:	1.2W
Definition:	X1...anode, X2...cathode

Electrical Features

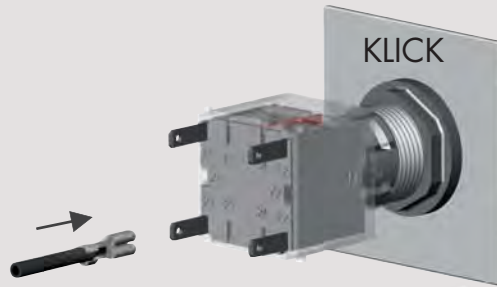
Operational voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA
Contact resistance (new state):	< 50 mOhm

Mounting Instructions

1.



2.



3.

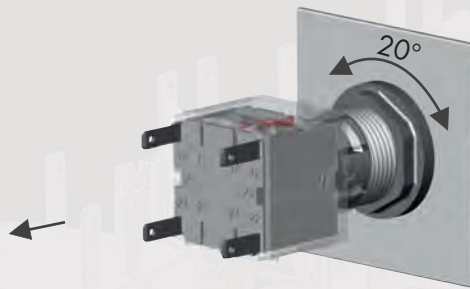
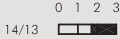
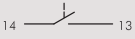



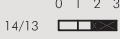
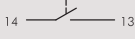



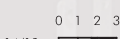
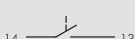



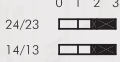
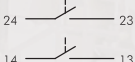



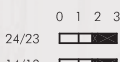
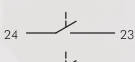


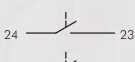
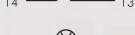



Illustration	Description	Type
   	<p>Contact Block, momentary 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP411</p> <p>suitable actuators </p> <p>contact material AgNi BZI contact material AgNi, gold-plated BZI_AU</p>	
    	<p>Illuminated Contact Block, momentary 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi BZLI contact material AgNi, gold-plated BZLI_AU</p>	
    	<p>Illuminated Contact Block, momentary 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi BZLI5 contact material AgNi, gold-plated BZLI5_AU</p>	
   	<p>Contact Block, momentary 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP411</p> <p>suitable actuators </p> <p>contact material AgNi BZII contact material AgNi, gold-plated BZII_AU</p>	
    	<p>Illuminated Contact Block, momentary 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi BZLII contact material AgNi, gold-plated BZLII_AU</p>	
    	<p>Illuminated Contact Block, momentary 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi BZLII5 contact material AgNi, gold-plated BZLII5_AU</p>	

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Faston terminals 2.8x0.8 mm

made in germany



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Illustration

Description

Type

3mm

22/21 0 1 2 3

22 — 21

Contact Block, momentary 1NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP4

suitable actuators

contact material AgNi **BZO**
 contact material AgNi, gold-plated **BZO_AU**

3mm

22/21 0 1 2 3

22 — 21
 X1 — X2

Illuminated Contact Block, momentary 1NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP6
 lamp socket W2x4,6d

suitable actuators

contact material AgNi **BZLO**
 contact material AgNi, gold-plated **BZLO_AU**

3mm

22/21 0 1 2 3

22 — 21
 X1 — X2

Illuminated Contact Block, momentary 1NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP6
 lamp socket T5,5K

suitable actuators

contact material AgNi **BZLO5**
 contact material AgNi, gold-plated **BZLO5_AU**

3mm

22/21 0 1 2 3

22 — 21
 12 — 11

Contact Block, momentary 2NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP4

suitable actuators

contact material AgNi **BZOO**
 contact material AgNi, gold-plated **BZOO_AU**

3mm

22/21 0 1 2 3

22 — 21
 12 — 11
 X1 — X2

Illuminated Contact Block, momentary 2NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP6
 lamp socket W2x4,6d

suitable actuators

contact material AgNi **BZLOO**
 contact material AgNi, gold-plated **BZLOO_AU**

3mm




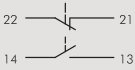





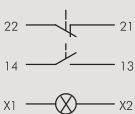




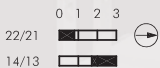
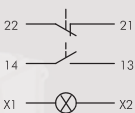



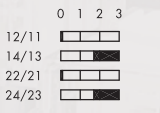
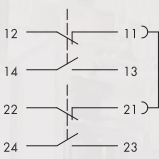


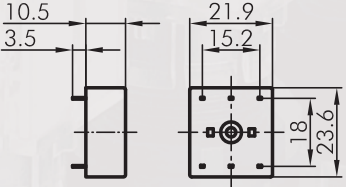
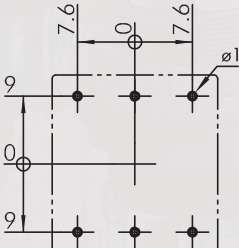
22/21 0 1 2 3

22 — 21
 12 — 11
 X1 — X2

Illuminated Contact Block, momentary 2NC
 Faston terminals 2.8x0.8 mm
 suitable plug-in socket XAP6
 lamp socket T5,5K

suitable actuators

contact material AgNi **BZLOO5**
 contact material AgNi, gold-plated **BZLOO5_AU**

Illustration	Description	Type
   	<p>Contact Block, momentary 1NC + 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601</p> <p>suitable actuators</p>  <p>contact material AgNi BZOI contact material AgNi, gold-plated BZOI_AU</p>	
    	<p>Illuminated Contact Block, momentary 1NC + 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi BZLOI contact material AgNi, gold-plated BZLOI_AU</p>	
    	<p>Illuminated Contact Block, momentary 1NC + 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi BZLOI5 contact material AgNi, gold-plated BZLOI5_AU</p>	
   	<p>Contact Block, momentary 2NC + 2NO</p> <p>Faston terminals 2.8x0.8 mm</p> <p>suitable actuators</p>  <p>contact material AgNi BZ_494</p>	
  	<p>Plug-in Socket XAP6</p> <p>PCB-mount terminals with 6 pins</p>	XAP6

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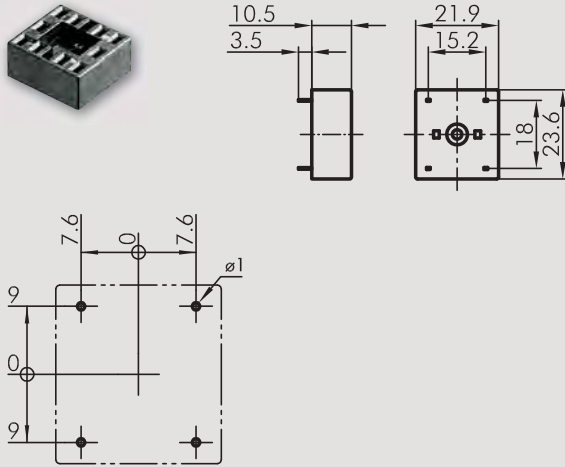
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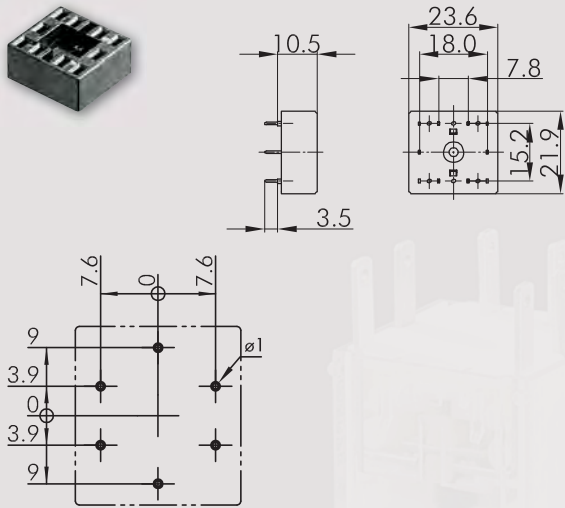
Description

Type



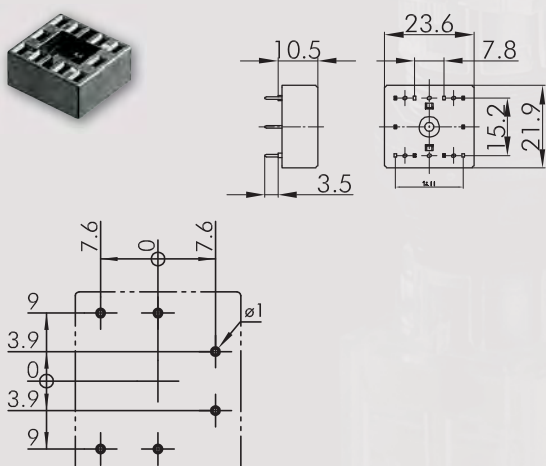
Plug-in Socket
PCB-mount terminals
with 4 pins

XAP4



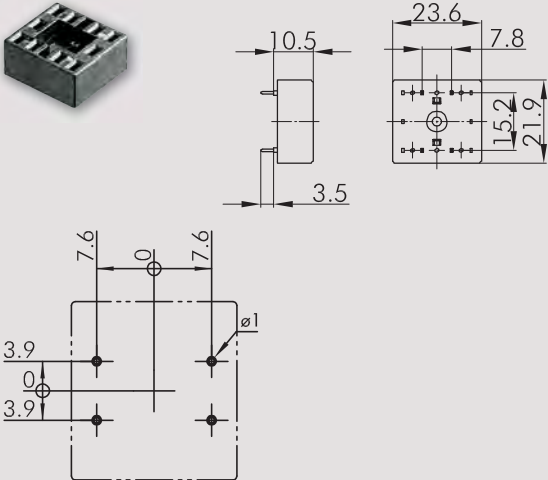





Plug-in Socket
PCB-mount terminals
with 6 pins

XAP611



Plug-in Socket
PCB-mount terminals
with 6 pins

XAP601

Illustration	Description	Type
	<p>Plug-in Socket with 4 pins</p>	<p>XAP411</p>
	<p>Insulating Case for Faston clamp FH2,8, slip on from the front</p>	<p>IH2,8</p>
	<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>	<p>FH2,8</p>
	<p>Double Faston for the connection of 2 Faston clamps FH2.8</p>	<p>FD2,8</p>
	<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 % colour white</p>	<p>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 % colour white</p>	<p>L2X4,6-24UW</p>

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Illustration	Description	Type												
	<p>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 %</p>	<p>colour white L5,5K12UW</p>												
	<p>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 %</p>	<p>colour white L5,5K24UW</p>												
	<p>Two-colour LED, T5,5K socket - 24V 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>	Colour:	red	green	Rated current [mA]:	14	13	Brightness [mcd]:	2300	650	Dominant wavelength: [nm]	625	525	<p>colour red/green L5,5K24RG</p>
Colour:	red	green												
Rated current [mA]:	14	13												
Brightness [mcd]:	2300	650												
Dominant wavelength: [nm]	625	525												
	<p>Ultra-bright LED solder pins, grid 2.54 mm ready-made for CTP_485 3680 mcd white</p>	LED3UW												
	<p>LED Adapter for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided.</p>	LA5,5												
	<p>lamp socket T5,5K</p>													

Illustration	Description	Type
	Voltage Reducer (for LEDs) Faston terminals 2.8x0.8 mm to operate a LED at 230V AC	VE_LED230
	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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