



General Data

Type Reference:	BF... (without screw connection)
Description:	Contact Block
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, NV, 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):	1 m operations at rated load
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
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 U_i :	AC15 B300	DC13 Q300
Rated operating voltage U_e :	250 V	300 V
Rated operating current I_e :	250 V	250V / 125V / 60V / 24V
Breaking capacity:	1.5A	0.2A / 0.4A / 1A / 2A
Continuous thermal current:	10Ie	1,1Ie
	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

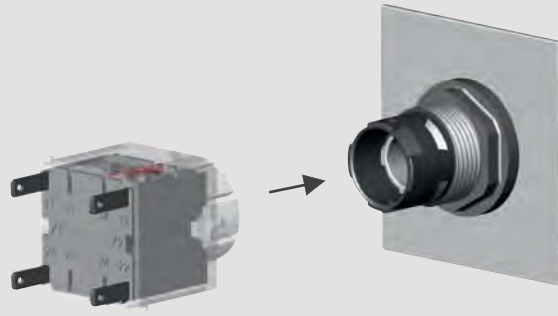
Operational voltage:	20mV ... 42V AC/DC
Switching current:	1mA ... 250mA
Contact resistance (new state):	< 50 mOhm

Additional Electrical Data

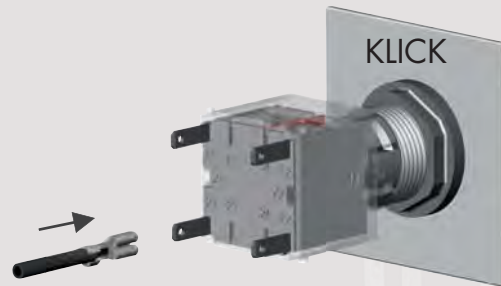
Overtoltage category:	II
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Mounting Instructions

1.



2.



3.

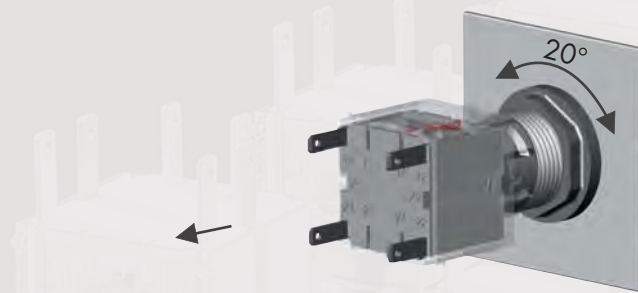


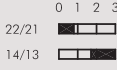
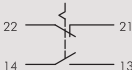



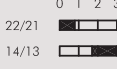
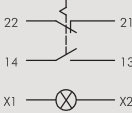



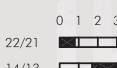
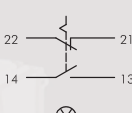



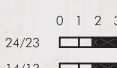
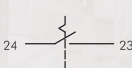



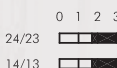
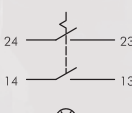



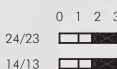
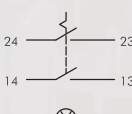



Illustration	Description	Type
   	<p>Contact Block, maintained 1NC + 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601</p> <p>suitable actuators </p> <p>contact material AgNi BF contact material AgNi, gold-plated BF_AU</p>	
   	<p>Illuminated Contact Block, maintained 1NC + 1NO</p> <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 BFL contact material AgNi, gold-plated BFL_AU</p>	
   	<p>Illuminated Contact Block, maintained 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 BFL5 contact material AgNi, gold-plated BFL5_AU</p>	
   	<p>Contact Block, maintained 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611</p> <p>suitable actuators </p> <p>contact material AgNi BFI contact material AgNi, gold-plated BFI_AU</p>	
   	<p>Illuminated Contact Block, maintained 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi BFLI contact material AgNi, gold-plated BFLI_AU</p>	
   	<p>Illuminated Contact Block, maintained 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi BFLI5 contact material AgNi, gold-plated BFLI5_AU</p>	

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Faston terminals 2.8x0.8 mm

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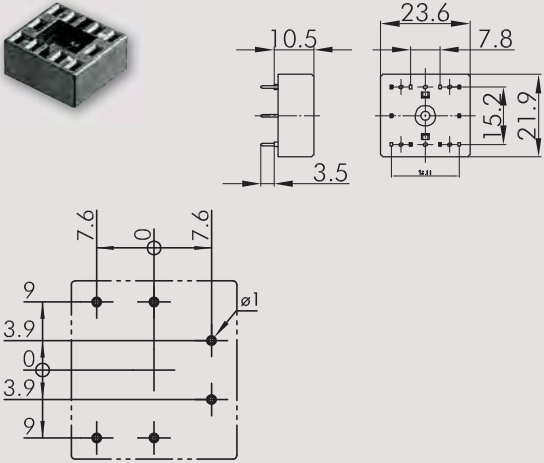





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Illustration	Description	Type
	<p>Lampholder Faston terminals 2.8x0.8 mm suitable plug-in socket XAP2 lamp socket W2x4,6d</p> <p>suitable pilot light heads</p>	BL4
	<p>Lampholder Faston terminals 2.8x0.8 mm suitable plug-in socket XAP2 lamp socket T5,5K</p> <p>suitable pilot light heads</p>	BL5
	<p>Lampholder Faston terminals 2.8x0.8 mm suitable protection plug XAL lamp socket W2x4,6d</p> <p>suitable pilot light heads</p>	L4
	<p>Plug-in Socket PCB-mount terminals with 2 pins fits the lampholders</p>	XAP2
	<p>Plug-in Socket PCB-mount terminals with 6 pins</p>	XAP611

Illustration	Description	Type
	<p>Plug-in Socket PCB-mount terminals with 6 pins</p>	<p>XAP601</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></td> </tr> <tr> <td>green</td> <td></td> <td></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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