



General Data

Type Reference:	BT..., BF...
Description:	Contact block
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, GOST-R, NV, UkrSepro, UR
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	Faston terminals 2.8x0.8 mm / PCB-mount terminals/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 LED's
Mechanical life:	1m operations
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

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 :	250V	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:	6A	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

Note

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

Utilisation category:	DC13
Rated operating voltage U_e :	12V
Rated operating current I_e :	6A
Breaking capacity:	1.1Ie

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

Rated voltage U_e :	12V DC
Rated current I_e :	6[6]A

Electrical life (additional test):	50000
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Contact Blocks

Faston terminals 2.8x0.8 mm




































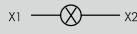



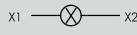



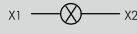


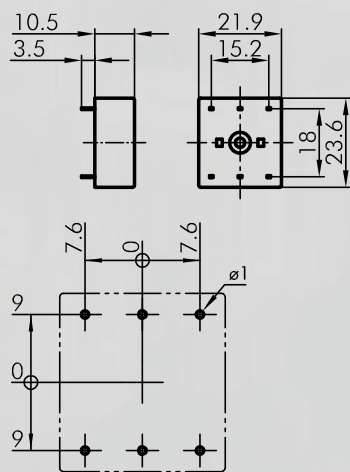
Illustration	Description	Type
  <p>0 1 2 3 22/21  14/13 </p> 	<p>Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601</p> <p>suitable actuators </p> <p>contact material AgNi BT contact material AgNi, gold-plated BT_AU</p>	
  <p>0 1 2 3 22/21  14/13 </p> 	<p>Illuminated Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi BTL contact material AgNi, gold-plated BTL_AU</p>	
  <p>0 1 2 3 22/21  14/13 </p> 	<p>Illuminated Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi BTL5 contact material AgNi, gold-plated BTL5_AU</p>	
  <p>0 1 2 3 24/23  14/13 </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 BTI contact material AgNi, gold-plated BTI_AU</p>	
  <p>0 1 2 3 24/23  14/13 </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 BTLI contact material AgNi, gold-plated BTLI_AU</p>	

Illustration	Description	Type
 <p>3mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p>24  23</p> <p>14 </p> <p>X1  X2</p>	<p>Illuminated Contact Block, momentary 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 BTLI5</p> <p>contact material AgNi, gold-plated BTLI5_AU</p>	
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22  21</p> <p>12 </p>	<p>Contact Block, momentary 2NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP4</p> <p>suitable actuators</p>  <p>contact material AgNi BTO</p> <p>contact material AgNi, gold-plated BTO_AU</p>	
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22  21</p> <p>12 </p> <p>X1  X2</p>	<p>Illuminated Contact Block, momentary 2NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi BTLO</p> <p>contact material AgNi, gold-plated BTLO_AU</p>	
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22  21</p> <p>12 </p> <p>X1  X2</p>	<p>Illuminated Contact Block, momentary 2NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi BTLO5</p> <p>contact material AgNi, gold-plated BTLO5_AU</p>	
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p>22  21</p> <p>14 </p>	<p>Contact Block, maintained 1NC + 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601</p> <p>suitable actutators</p>  <p>contact material AgNi BF</p> <p>contact material AgNi, gold-plated BF_AU</p>	

Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration	Description	Type
   	<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>	

Illustration	Description	Type
  	<p>Lampholder</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP2 lamp socket W2x4,6d</p> <p>suitable pilot light heads</p> 	<p>BL4</p>
  	<p>Lampholder</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP2 lamp socket T5,5K</p> <p>suitable pilot light heads</p> 	<p>BL5</p>
  	<p>Lampholder</p> <p>Faston terminals 2.8x0.8 mm suitable protection plug XAL lamp socket W2x4,6d</p> <p>suitable pilot light heads</p> 	<p>L4</p>
 	<p>Plug-in Socket</p> <p>with 6 pins</p>	<p>XAP6</p>

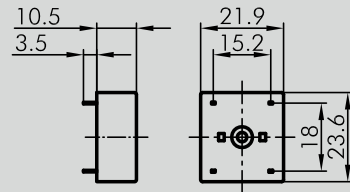
Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

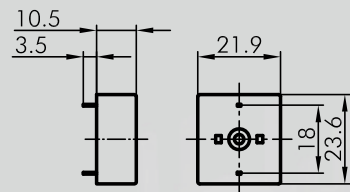
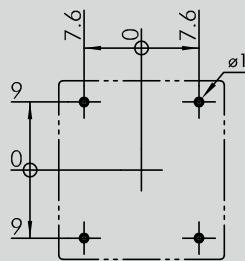
Description

Type



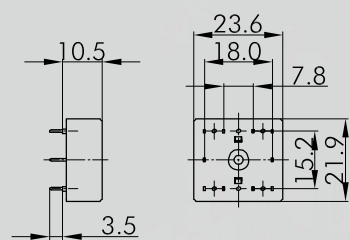
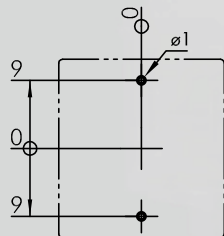
Plug-in Socket
with 4 pins

XAP4



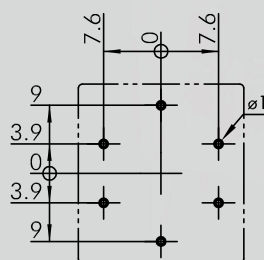
Plug-in Socket
with 2 pins
fits the lampholders

XAP2



Plug-in Socket
with 6 pins

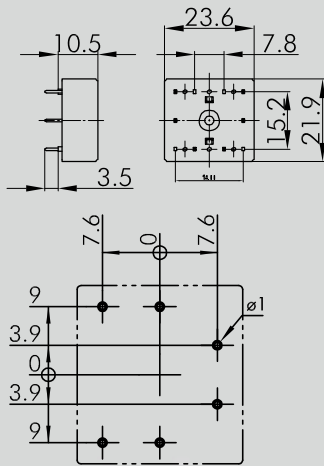
XAP611



Illustration

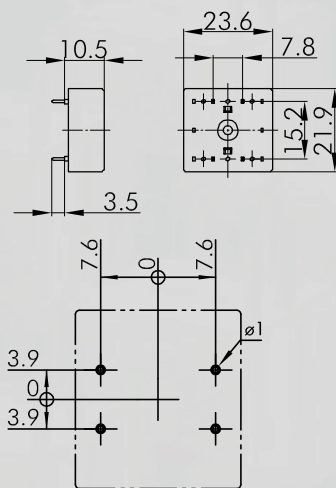
Description

Type



Plug-in Socket
with 6 pins

XAP601



Plug-in Socket
with 4 pins

XAP411



Socket, finger-protected acc. to BGV4
for simultaneous connection of all terminals of a contact block (A.../B... series), accepts up to 10 Faston clamps FH2,8

XA



Protective Plug
finger-protected acc. to BGV A3, accepts Faston clamps FH2.8

XAL

Control Units
Contact Blocks

Bus Technology

Relays





Switches

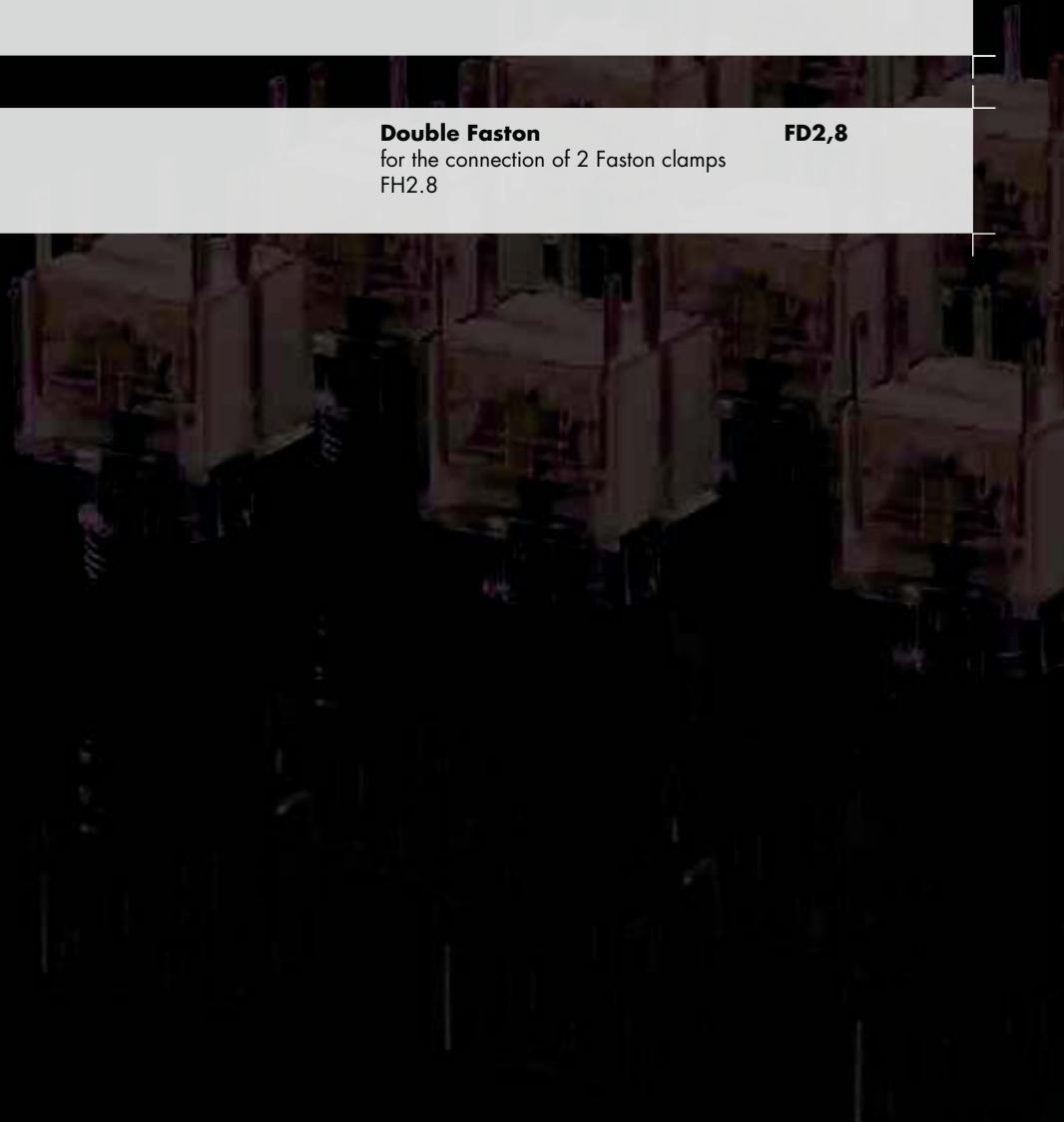
Terminal Blocks

Power Supplies




Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration	Description	Type
	<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, brass, with pin to snapfit into the socket XA, XAL and the insulating case IH2.8</p>	<p>FH2,8</p>
	<p>Protective Cover finger-protected acc. to BGV A3, for contact blocks of the A.../B...series. Mount the cover before wiring.</p>	<p>XAI</p>
	<p>Double Faston for the connection of 2 Faston clamps FH2.8</p>	<p>FD2,8</p>



- Contact Blocks
- Contact Units
- Blue Technology
- Power Series
- Mini Series
- Mini Series
- Mini Series

Illustration	Description	Type										
	<p>Ultra-bright LED, W2x4,6d socket -12V with integrated single-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>	<table border="0"> <tr><td>blue</td><td>L2X4,6-12UB</td></tr> <tr><td>green</td><td>L2X4,6-12UG</td></tr> <tr><td>red</td><td>L2X4,6-12UR</td></tr> <tr><td>white</td><td>L2X4,6-12UW</td></tr> <tr><td>yellow</td><td>L2X4,6-12UY</td></tr> </table>	blue	L2X4,6-12UB	green	L2X4,6-12UG	red	L2X4,6-12UR	white	L2X4,6-12UW	yellow	L2X4,6-12UY
blue	L2X4,6-12UB											
green	L2X4,6-12UG											
red	L2X4,6-12UR											
white	L2X4,6-12UW											
yellow	L2X4,6-12UY											
	<p>Ultra-bright LED, W2x4,6d socket -24V with integrated single-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>	<table border="0"> <tr><td>blue</td><td>L2X4,6-24UB</td></tr> <tr><td>green</td><td>L2X4,6-24UG</td></tr> <tr><td>red</td><td>L2X4,6-24UR</td></tr> <tr><td>white</td><td>L2X4,6-24UW</td></tr> <tr><td>yellow</td><td>L2X4,6-24UY</td></tr> </table>	blue	L2X4,6-24UB	green	L2X4,6-24UG	red	L2X4,6-24UR	white	L2X4,6-24UW	yellow	L2X4,6-24UY
blue	L2X4,6-24UB											
green	L2X4,6-24UG											
red	L2X4,6-24UR											
white	L2X4,6-24UW											
yellow	L2X4,6-24UY											
	<p>Ultra-bright LED, T5,5K socket -12V with integrated series resistor and single-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>	<table border="0"> <tr><td>blue</td><td>L5,5K12UB</td></tr> <tr><td>green</td><td>L5,5K12UG</td></tr> <tr><td>red</td><td>L5,5K12UR</td></tr> <tr><td>white</td><td>L5,5K12UW</td></tr> <tr><td>yellow</td><td>L5,5K12UY</td></tr> </table>	blue	L5,5K12UB	green	L5,5K12UG	red	L5,5K12UR	white	L5,5K12UW	yellow	L5,5K12UY
blue	L5,5K12UB											
green	L5,5K12UG											
red	L5,5K12UR											
white	L5,5K12UW											
yellow	L5,5K12UY											



Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

Description

Type



Ultra-bright LED, T5.5K socket - 24V

with integrated series resistor and single-wave rectifier

for 24V 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	blue	L5,5K24UB
	green	L5,5K24UG
	red	L5,5K24UR
	white	L5,5K24UW
	yellow	L5,5K24UY



Two-colour LED, T5.5K socket - 24V

with integrated series resistor

colour dependent on polarity

Storage temperature:

-25°C ... +80°C

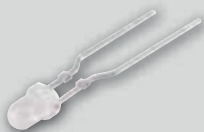
Ambient temperature:

-20°C ... +60°C

Voltage tolerance:

+ 10 %

Colour:	red	green
Rated current [mA]:	14	13
Brightness [mcd]:	2300	650
Dom. wavelength: [nm]	625	525
colour	red/green	L5,5K24RG

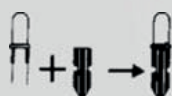


Ultra-bright LED

solder pins, grid 2.54 mm

ready-made for CTP_485

900 mcd	blue	LED3UB
2760 mcd	green	LED3UG
1800 mcd	red	LED3UR
3680 mcd	white	LED3UW
1800 mcd	yellow	LED3UY



LED Adapter

LA5,5

for LED's of 3 and 5 mm Ø to be used in

T5.5K sockets,

an external resistor must be provided.

lamp socket	T5,5K
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Illustration	Description	Type
	<p>Incandescent Lamp with W2x4.6d socket</p> <p>6V / 1,2W (200mA) W2X4,6-6V 12V / 1,0W (80mA) W2X4,6-12V 24 ... 30V / 0,8 ... 1,3W (35 ... 43mA) W2X4,6-24/30V 48V / 1,2W (25mA) W2X4,6-48V 60V / 1,2W (20mA) W2X4,6-60V</p>	
	<p>Incandescent Lamp with T5.5K socket</p> <p>6V / 1,2W (200mA) T5,5K-6V 12V / 1,2W (100mA) T5,5K-12V 24V / 1,2W (50mA) T5,5K-24V 30V / 1,2W (40mA) T5,5K-30V 36V / 1,2W (35mA) T5,5K-36V 48V / 1,2W (25mA) T5,5K-48V 60V / 1,2W (20mA) T5,5K-60V</p>	
	<p>Series Condensator (RC combination)</p> <p>entirely sealed, with a safe-to-touch Faston terminal 2.8 x 0.8 mm and one partially insulated Faston clamp 2.8 x 0.8 mm, for the operation of incandescent lamps: 48 V (25 mA) at 240 V ~ 50 Hz 130 V (20 mA) at 240 V ~ 50 Hz</p>	VC1
	<p>Potential Divider (for incandescent lamps)</p> <p>Faston terminals 2.8x0.8 mm to operate an incandescent lamp 60V (25mA) at 230V~ 50Hz</p>	VE_1
	<p>Potential Divider (for LED's)</p> <p>Faston terminals 2.8x0.8 mm to operate a LED at 230V AC</p>	VE_LED230
	<p>Cable Set with Faston connections</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VK2,8
	<p>Cable Set with wire end ferrules</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VKAE



General Data

Type Reference:	BT...K, BF...K
Description:	Contact block
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, GOSTR, NV, UkrSepro, 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 LED's
Mechanical life:	1m operations
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

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

Utilisation category:	alternate current AC15 B300	direct current DC13 Q300
Rated insulation voltage U_i :	250 V	300 V
Rated operating voltage U_e :	250V	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:	6A	

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

Lampholder:	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

Contact Blocks

screw connection 2.5 mm²





















Illustration	Description	Type
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p></p>	<p>Contact Block, momentary 1NC + 1NO screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BTK</p>
 <p>3mm</p> <p></p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p></p>	<p>Illuminated Contact Block, momentary 1NC + 1NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BTLK</p>
 <p>3mm</p> <p></p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p></p>	<p>Illuminated Contact Block, momentary 1NC + 1NO screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BTL5K</p>
 <p>3mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p></p>	<p>Contact Block, momentary 2NO screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BTIK</p>
 <p>3mm</p> <p></p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p></p>	<p>Illuminated Contact Block, momentary 2NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BTLIK</p>

Illustration	Description	Type
 <p>3mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p>24 </p> <p>14 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 2NO</p> <p>screw connection 2.5 mm²</p> <p>lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BT15K
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22 </p> <p>12 </p>	<p>Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BTOK
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22 </p> <p>12 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm²</p> <p>lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BTLOK
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>12/11 </p> <p>22 </p> <p>12 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm²</p> <p>lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BTLO5K
 <p>3mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p>22 </p> <p>14 </p>	<p>Contact Block, maintained 1NC + 1NO</p> <p>screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BFK

Contact Blocks

screw connection 2.5 mm²












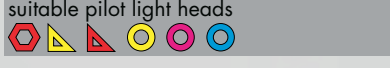
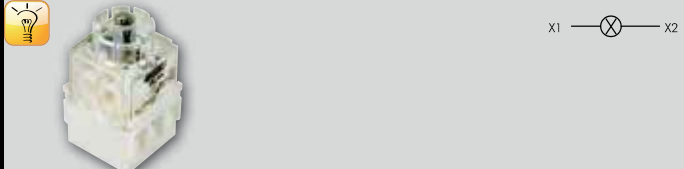
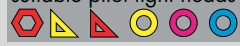
Illustration	Description	Type
 <p>13mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p></p> <p></p>	<p>Illuminated Contact Block, maintained 1NC + 1NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BFLK</p>
 <p>13mm</p> <p>0 1 2 3</p> <p>22/21 </p> <p>14/13 </p> <p></p> <p></p>	<p>Illuminated Contact Block, maintained 1NC + 1NO screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BFL5K</p>
 <p>13mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p></p> <p></p>	<p>Contact Block, maintained 2NO screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BFIK</p>
 <p>13mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p></p> <p></p>	<p>Illuminated Contact Block, maintained 2NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BFLIK</p>
 <p>13mm</p> <p>0 1 2 3</p> <p>24/23 </p> <p>14/13 </p> <p></p> <p></p>	<p>Illuminated Contact Block, maintained 2NO screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BFLI5K</p>
 <p></p> <p></p>	<p>Lampholder screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable pilot light heads</p> 	<p>BL4K</p>

Illustration	Description	Type
	<p>Lampholder screw connection 2.5 mm² T5,5K socket lamp socket T5,5K</p> <p>suitable pilot light heads</p> 	<p>BL5K</p>



- Control Units
- Control Blocks
- Bus Technology
- Relays
- Unit Switches
- Power Switches
- Terminal Blocks

Contact Blocks

screw connection 2.5 mm²

Illustration

Description

Type



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

with integrated single-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	blue	L2X4,6-12UB
	green	L2X4,6-12UG
	red	L2X4,6-12UR
	white	L2X4,6-12UW
	yellow	L2X4,6-12UY



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

with integrated single-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

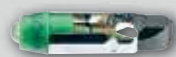
ambient temperature:

-20°C ... +60°C

voltage tolerance:

+ 10 %

colour	blue	L2X4,6-24UB
	green	L2X4,6-24UG
	red	L2X4,6-24UR
	white	L2X4,6-24UW
	yellow	L2X4,6-24UY



Ultra-bright LED, T5,5K socket - 12V

with integrated series resistor and single-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





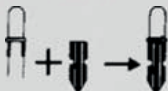
ambient temperature:

-20°C ... +60°C

voltage tolerance:






+10 %

colour	blue	L5,5K12UB
	green	L5,5K12UG
	red	L5,5K12UR
	white	L5,5K12UW
	yellow	L5,5K12UY

Illustration	Description	Type															
	<p>Ultra-bright LED, T5.5K socket - 24V with integrated series resistor and single-wave rectifier for 24V 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>	<table border="0"> <tr><td>blue</td><td>L5,5K24UB</td></tr> <tr><td>green</td><td>L5,5K24UG</td></tr> <tr><td>red</td><td>L5,5K24UR</td></tr> <tr><td>white</td><td>L5,5K24UW</td></tr> <tr><td>yellow</td><td>L5,5K24UY</td></tr> </table>	blue	L5,5K24UB	green	L5,5K24UG	red	L5,5K24UR	white	L5,5K24UW	yellow	L5,5K24UY					
blue	L5,5K24UB																
green	L5,5K24UG																
red	L5,5K24UR																
white	L5,5K24UW																
yellow	L5,5K24UY																
	<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="0"> <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>Dom. wavelength: [nm]</td><td>625</td><td>525</td></tr> <tr><td>colour</td><td>red/green</td><td>L5,5K24RG</td></tr> </table>	Colour:	red	green	Rated current [mA]:	14	13	Brightness [mcd]:	2300	650	Dom. wavelength: [nm]	625	525	colour	red/green	L5,5K24RG
Colour:	red	green															
Rated current [mA]:	14	13															
Brightness [mcd]:	2300	650															
Dom. wavelength: [nm]	625	525															
colour	red/green	L5,5K24RG															
	<p>Ultra-bright LED solder pins, grid 2.54 mm ready-made for CTP_485</p>	<table border="0"> <tr><td>900 mcd</td><td>blue</td><td>LED3UB</td></tr> <tr><td>2760 mcd</td><td>green</td><td>LED3UG</td></tr> <tr><td>1800 mcd</td><td>red</td><td>LED3UR</td></tr> <tr><td>3680 mcd</td><td>white</td><td>LED3UW</td></tr> <tr><td>1800 mcd</td><td>yellow</td><td>LED3UY</td></tr> </table>	900 mcd	blue	LED3UB	2760 mcd	green	LED3UG	1800 mcd	red	LED3UR	3680 mcd	white	LED3UW	1800 mcd	yellow	LED3UY
900 mcd	blue	LED3UB															
2760 mcd	green	LED3UG															
1800 mcd	red	LED3UR															
3680 mcd	white	LED3UW															
1800 mcd	yellow	LED3UY															
		<p>LED Adapter LA5,5 for LED's of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided.</p> <table border="0"> <tr><td>lamp socket</td><td>T5,5K</td></tr> </table>	lamp socket	T5,5K													
lamp socket	T5,5K																

Contact Blocks

screw connection 2.5 mm²

Illustration	Description	Type
	<p>Incandescent Lamp with W2x4.6d socket</p> <p>6V / 1,2W (200mA) W2X4,6-6V 12V / 1,0W (80mA) W2X4,6-12V 24 ... 30V / 0,8 ... 1,3W (35 ... 43mA) W2X4,6-24/30V 48V / 1,2W (25mA) W2X4,6-48V 60V / 1,2W (20mA) W2X4,6-60V</p>	
	<p>Incandescent Lamp with T5.5K socket</p> <p>6V / 1,2W (200mA) T5,5K-6V 12V / 1,2W (100mA) T5,5K-12V 24V / 1,2W (50mA) T5,5K-24V 30V / 1,2W (40mA) T5,5K-30V 36V / 1,2W (35mA) T5,5K-36V 48V / 1,2W (25mA) T5,5K-48V 60V / 1,2W (20mA) T5,5K-60V</p>	
	<p>Potential Divider (for incandescent lamps)</p> <p>Faston terminals 2.8x0.8 mm to operate an incandescent lamp 60V (25mA) at 230V~ 50Hz</p>	VE_1
	<p>Potential Divider (for LED's)</p> <p>Faston terminals 2.8x0.8 mm to operate a LED at 230V AC</p>	VE_LED230
	<p>Cable Set with wire end ferrules</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VKAE



Index

Market

Control Units
Control Blocks

Bus Technology

Protocols

Unit Switches

Product Ranges

General Notes



Type Reference:	B..._439
Description:	Contact block
Approvals:	CCC, CE, GOST-R, UkrSepro
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:	1m operations
Electrical life (rated load):	1m operations
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:	< 20ms

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

	alternate current	direct current
Rated insulation voltage Ui:	60V	60V
Rated operating voltage Ue:	60V~	60V (inductive) / 60V (non-inductive) / 50V / 40V
Rated operating current Ie:	3A (inductive)	1A / 3A / 4A / 5A
Continuous thermal current:	6A	

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

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

Note

BZ..._439 with two-piece plunger

Notice for emergency-stop contact blocks:

For inverters of the Za type (as defined in EN 60947-5-1), only the NC contact must be used for remotely controlled safety circuits.

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

Utilisation category:	DC13
Rated operating voltage Ue:	12V
Rated operating current Ie:	6A
Breaking capacity:	1.1Ie








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

Rated voltage Ue:	12V DC
Rated current Ie:	6[6]A

Electrical life (additional test): 50000

Contact Blocks

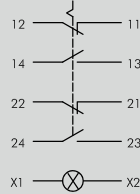
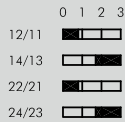
Faston terminals 2.8x0.8 mm

Illustration	Description	Type
   	<p>Contact Block, momentary 2NC + 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BT_439 BT_439_AU</p>
   	<p>Illuminated Contact Block, momentary 2NC + 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP10 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BTL_439 BTL_439_AU</p>
   	<p>Illuminated Contact Block, momentary 2NC + 2NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP10 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BTL5_439 BTL5_439_AU</p>
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Illustration

Description

Type



Illuminated Contact Block, maintained 2NC + 2NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP10
lamp socket T5,5K

suitable actuators

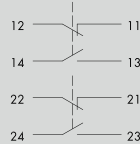
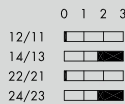


contact material AgNi

BFL5_439

contact material AgNi, gold-plated

BFL5_439_AU



Contact Block, momentary 2NC + 2NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP8

suitable actuators

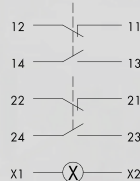
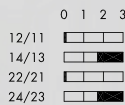
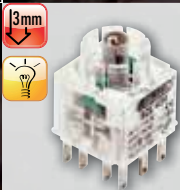


contact material AgNi

BZ_439

contact material AgNi, gold-plated

BZ_439_AU



Illuminated Contact Block, momentary 2NC + 2NO

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP10
lamp socket W2x4,6d

suitable actuators

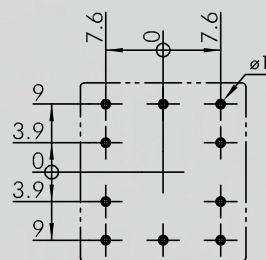
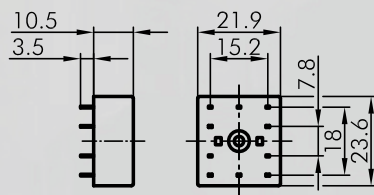


contact material AgNi

BZL_439

contact material AgNi, gold-plated

BZL_439_AU



Plug-in Socket
with 10 pins

XAP10

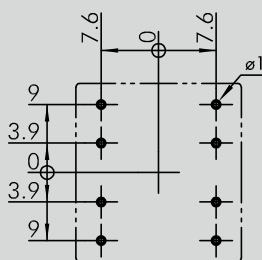
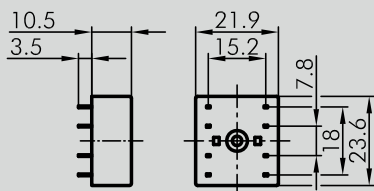
Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

Description

Type



Plug-in Socket

with 8 pins

XAP8



Socket, finger-protected acc. to BGV4

for simultaneous connection of all terminals of a contact block (A.../B... series), accepts up to 10 Faston clamps FH2,8

XA



Insulating Case

for Faston clamp FH2,8, slip on from the front

IH2,8



Faston Clamp 2.8 x 0.8 mm with snap-in pin

Cross section 0.75 - 1.50 mm², brass, with pin to snapfit into the socket XA, XAL and the insulating case IH2.8

FH2,8



Protective Cover

finger-protected acc. to BGV A3, for contact blocks of the A.../B...series. Mount the cover before wiring.




XAI



Double Faston

for the connection of 2 Faston clamps FH2.8

FD2,8

Illustration	Description	Type										
	<p>Ultra-bright LED, W2x4,6d socket -12V with integrated single-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>	<table border="0"> <tr><td>blue</td><td>L2X4,6-12UB</td></tr> <tr><td>green</td><td>L2X4,6-12UG</td></tr> <tr><td>red</td><td>L2X4,6-12UR</td></tr> <tr><td>white</td><td>L2X4,6-12UW</td></tr> <tr><td>yellow</td><td>L2X4,6-12UY</td></tr> </table>	blue	L2X4,6-12UB	green	L2X4,6-12UG	red	L2X4,6-12UR	white	L2X4,6-12UW	yellow	L2X4,6-12UY
blue	L2X4,6-12UB											
green	L2X4,6-12UG											
red	L2X4,6-12UR											
white	L2X4,6-12UW											
yellow	L2X4,6-12UY											
	<p>Ultra-bright LED, W2x4,6d socket -24V with integrated single-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>	<table border="0"> <tr><td>blue</td><td>L2X4,6-24UB</td></tr> <tr><td>green</td><td>L2X4,6-24UG</td></tr> <tr><td>red</td><td>L2X4,6-24UR</td></tr> <tr><td>white</td><td>L2X4,6-24UW</td></tr> <tr><td>yellow</td><td>L2X4,6-24UY</td></tr> </table>	blue	L2X4,6-24UB	green	L2X4,6-24UG	red	L2X4,6-24UR	white	L2X4,6-24UW	yellow	L2X4,6-24UY
blue	L2X4,6-24UB											
green	L2X4,6-24UG											
red	L2X4,6-24UR											
white	L2X4,6-24UW											
yellow	L2X4,6-24UY											
	<p>Ultra-bright LED, T5,5K socket -12V with integrated series resistor and single-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>	<table border="0"> <tr><td>blue</td><td>L5,5K12UB</td></tr> <tr><td>green</td><td>L5,5K12UG</td></tr> <tr><td>red</td><td>L5,5K12UR</td></tr> <tr><td>white</td><td>L5,5K12UW</td></tr> <tr><td>yellow</td><td>L5,5K12UY</td></tr> </table>	blue	L5,5K12UB	green	L5,5K12UG	red	L5,5K12UR	white	L5,5K12UW	yellow	L5,5K12UY
blue	L5,5K12UB											
green	L5,5K12UG											
red	L5,5K12UR											
white	L5,5K12UW											
yellow	L5,5K12UY											

Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

Description

Type



Ultra-bright LED, T5.5K socket - 24V

with integrated series resistor and single-wave rectifier
for 24V 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	blue	L5,5K24UB
	green	L5,5K24UG
	red	L5,5K24UR
	white	L5,5K24UW
	yellow	L5,5K24UY



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 %

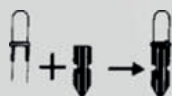
Colour:	red	green	
Rated current [mA]:	14	13	
Brightness [mcd]:	2300	650	
Dom. wavelength: [nm]	625	525	
colour	red/green		L5,5K24RG



Ultra-bright LED

solder pins, grid 2.54 mm
ready-made for CTP_485

900 mcd	blue	LED3UB
2760 mcd	green	LED3UG
1800 mcd	red	LED3UR
3680 mcd	white	LED3UW
1800 mcd	yellow	LED3UY



LED Adapter

for LED's of 3 and 5 mm Ø to be used in T5.5K sockets,
an external resistor must be provided.

LA5,5

lamp socket	T5,5K
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Illustration	Description	Type
	<p>Incandescent Lamp with W2x4.6d socket</p> <p>6V / 1,2W (200mA) W2X4,6-6V 12V / 1,0W (80mA) W2X4,6-12V 24 ... 30V / 0,8 ... 1,3W (35 ... 43mA) W2X4,6-24/30V 48V / 1,2W (25mA) W2X4,6-48V 60V / 1,2W (20mA) W2X4,6-60V</p>	
	<p>Incandescent Lamp with T5.5K socket</p> <p>6V / 1,2W (200mA) T5,5K-6V 12V / 1,2W (100mA) T5,5K-12V 24V / 1,2W (50mA) T5,5K-24V 30V / 1,2W (40mA) T5,5K-30V 36V / 1,2W (35mA) T5,5K-36V 48V / 1,2W (25mA) T5,5K-48V 60V / 1,2W (20mA) T5,5K-60V</p>	
	<p>Series Condensator (RC combination)</p> <p>entirely sealed, with a safe-to-touch Faston terminal 2.8 x 0.8 mm and one partially insulated Faston clamp 2.8 x 0.8 mm, for the operation of incandescent lamps: 48 V (25 mA) at 240 V ~ 50 Hz 130 V (20 mA) at 240 V ~ 50 Hz</p>	VC1
	<p>Potential Divider (for incandescent lamps)</p> <p>Faston terminals 2.8x0.8 mm to operate an incandescent lamp 60V (25mA) at 230V~ 50Hz</p>	VE_1
	<p>Potential Divider (for LED's)</p> <p>Faston terminals 2.8x0.8 mm to operate a LED at 230V AC</p>	VE_LED230
	<p>Cable Set with Faston connections</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VK2,8
	<p>Cable Set with wire end ferrules</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VKAE

Control Units
Contact Blocks
Bus Technology
Terminal Blocks
Cable Sets



General Data

Type Reference:	BZ...
Description:	Twin contact block, separate plungers, positive opening contact
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, GOST-R, NV, TÜV_Süd, UkrSepro, UR
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	Faston terminals 2.8x0.8 mm / PCB-mount terminals/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 LED's
Mechanical life:	1m operations
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)

	alternate current	direct current
Utilisation category:	AC15 B300	DC13 Q600
Rated insulation voltage U_i :	250 V	300 V
Rated operating voltage U_e :	250V	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:	6A	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 Data

Tightening torque (screw terminal):	0.4 Nm
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Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200) (additional test)

Utilisation category:	DC13
Rated operating voltage U_e :	12V
Rated operating current I_e :	6A
Breaking capacity:	1.1Ie

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

Rated voltage U_e :	12V DC
Rated current I_e :	6[6]A

Electrical life (additional test):	50000
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Contact Blocks

Faston terminals 2.8x0.8 mm


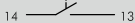


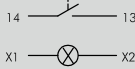


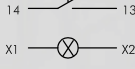


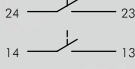


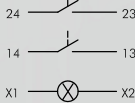

Illustration	Description	Type
 <p>3mm</p> <p>14/13</p> <p>0 1 2 3</p> 	<p>Contact Block, momentary 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP41 1</p> <p>suitable actuators</p>  <p>contact material AgNi BZI contact material AgNi, gold-plated BZI_AU</p>	
 <p>3mm</p> <p>14/13</p> <p>0 1 2 3</p> 	<p>Illuminated Contact Block, momentary 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP61 1 lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi BZLI contact material AgNi, gold-plated BZLI_AU</p>	
 <p>3mm</p> <p>14/13</p> <p>0 1 2 3</p> 	<p>Illuminated Contact Block, momentary 1NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP61 1 lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi BZLI5 contact material AgNi, gold-plated BZLI5_AU</p>	
 <p>3mm</p> <p>24/23</p> <p>14/13</p> <p>0 1 2 3</p> 	<p>Contact Block, momentary 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP41 1</p> <p>suitable actuators</p>  <p>contact material AgNi BZII contact material AgNi, gold-plated BZII_AU</p>	
 <p>3mm</p> <p>24/23</p> <p>14/13</p> <p>0 1 2 3</p> 	<p>Illuminated Contact Block, momentary 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP61 1 lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi BZLII contact material AgNi, gold-plated BZLII_AU</p>	

Illustration	Description	Type
 <p>3mm</p> <p>24/23 14/13</p> <p>0 1 2 3</p> <p>24 — 23 14 — 13 X1 — X2</p>	<p>Illuminated Contact Block, momentary 2NO</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP611 lamp socket T5,5K</p>	<p>BZLI15 BZLI15_AU</p>
 <p>3mm</p> <p>22/21</p> <p>0 1 2 3</p> <p>22 — 21</p>	<p>Contact Block, momentary 1NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP4</p>	<p>BZO BZO_AU</p>
 <p>3mm</p> <p>22/21</p> <p>0 1 2 3</p> <p>22 — 21 X1 — X2</p>	<p>Illuminated Contact Block, momentary 1NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket W2x4,6d</p>	<p>BZLO BZLO_AU</p>
 <p>3mm</p> <p>22/21</p> <p>0 1 2 3</p> <p>22 — 21 X1 — X2</p>	<p>Illuminated Contact Block, momentary 1NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket T5,5K</p>	<p>BZLO5 BZLO5_AU</p>
 <p>3mm</p> <p>22/21 12/11</p> <p>0 1 2 3</p> <p>22 — 21 12 — 11</p>	<p>Contact Block, momentary 2NC</p> <p>Faston terminals 2.8x0.8 mm suitable plug-in socket XAP4</p>	<p>BZOO BZOO_AU</p>

Contact Blocks

Faston terminals 2.8x0.8 mm

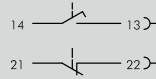
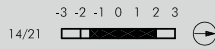
Illustration	Description	Type
 <p>0 1 2 3 22/21 12/11 </p> <p>22 — 21 12 — 11 X1 — X2</p>	<p>Illuminated Contact Block, momentary 2NC Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BZLOO BZLOO_AU</p>
 <p>0 1 2 3 22/21 12/11 </p> <p>22 — 21 12 — 11 X1 — X2</p>	<p>Illuminated Contact Block, momentary 2NC Faston terminals 2.8x0.8 mm suitable plug-in socket XAP6 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BZLOO5 BZLOO5_AU</p>
 <p>0 1 2 3 22/21 14/13 </p> <p>22 — 21 14 — 13 X1 — X2</p>	<p>Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BZOI BZOI_AU</p>
 <p>0 1 2 3 22/21 14/13 </p> <p>22 — 21 14 — 13 X1 — X2</p>	<p>Illuminated Contact Block, momentary 1NO + 1NC Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket W2x4,6d</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BZLOI BZLOI_AU</p>
 <p>0 1 2 3 22/21 14/13 </p> <p>22 — 21 14 — 13 X1 — X2</p>	<p>Illuminated Contact Block, momentary 1NC + 1NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP601 lamp socket T5,5K</p> <p>suitable actuators </p> <p>contact material AgNi contact material AgNi, gold-plated</p>	<p>BZLOI5 BZLOI5_AU</p>

Illustration

Description

Type

3mm



Contact Block for Emergency Stops with failure switch-off * 1NC + 1NO early make

Faston terminals 2.8x0.8 mm

*) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.

suitable actuators



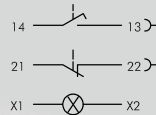
contact material AgNi

BZOS

contact material AgNi, gold-plated

BZOS_AU

3mm



Illuminated Contact Block for Emergency Stops with failure switch-off * 1NC + 1NO early make

Faston terminals 2.8x0.8 mm

*) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.

lamp socket W2x4,6d

suitable actuators



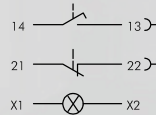
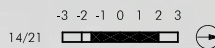
contact material AgNi

BZLOS

contact material AgNi, gold-plated

BZLOS_AU

3mm



Illuminated Contact Block for Emergency Stops with failure switch-off * 1NC

Faston terminals 2.8x0.8 mm

*) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.

lamp socket T5,5K

suitable actuators



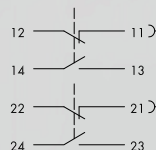
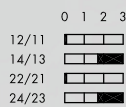
contact material AgNi

BZLOS5

contact material AgNi, gold-plated

BZLOS5_AU

3mm



Contact Block, momentary 2NC + 2NO

Faston terminals 2.8x0.8 mm

suitable actuators



contact material AgNi

BZ_494

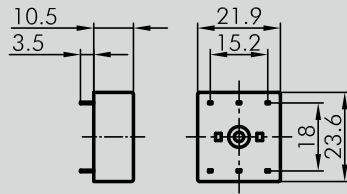
Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

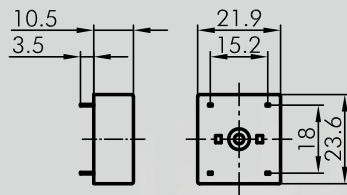
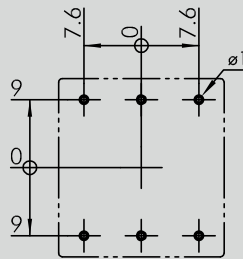
Description

Type



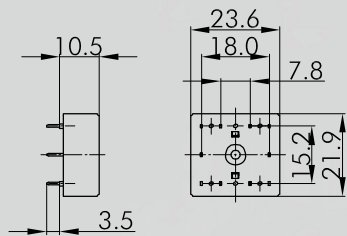
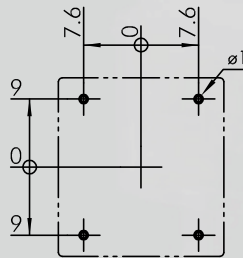
Plug-in Socket
with 6 pins

XAP6



Plug-in Socket
with 4 pins

XAP4



Plug-in Socket
with 6 pins

XAP611

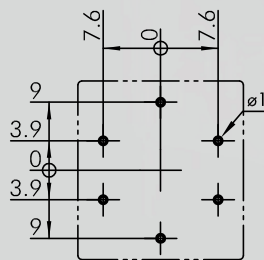
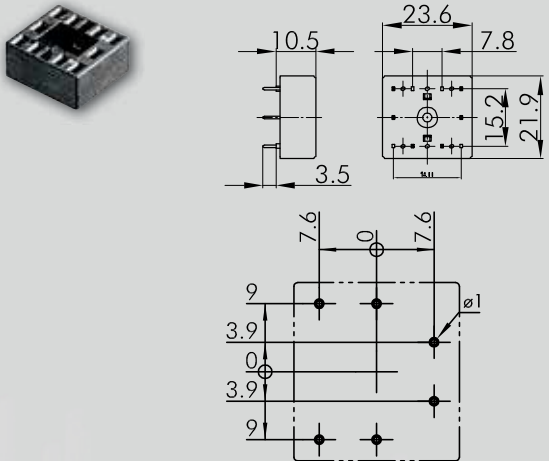
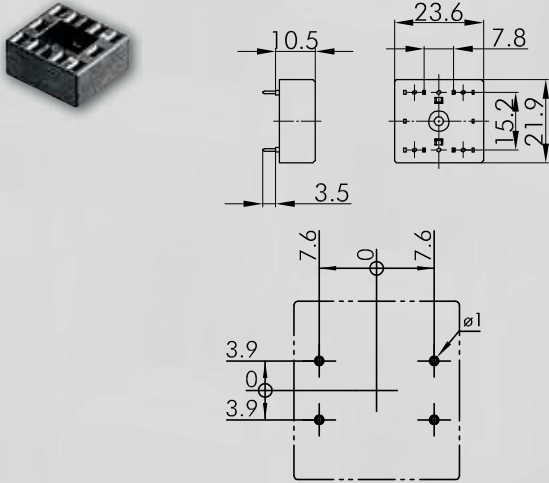





Illustration	Description	Type
	<p>Plug-in Socket with 6 pins</p>	<p>XAP601</p>
	<p>Plug-in Socket with 4 pins</p>	<p>XAP411</p>
	<p>Socket, finger-protected acc. to BGV4 for simultaneous connection of all terminals of a contact block (A.../B... series), accepts up to 10 Faston clamps FH2,8</p>	<p>XA</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, brass, with pin to snapfit into the socket XA, XAL and the insulating case IH2.8</p>	<p>FH2,8</p>

Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

Description

Type



Protective Cover

finger-protected acc. to BGV A3, for contact blocks of the A.../B...series. Mount the cover before wiring.

XAI






Double Faston

for the connection of 2 Faston clamps FH2.8

FD2,8



Illustration	Description	Type										
	<p>Ultra-bright LED, W2x4,6d socket -12V with integrated single-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>	<table> <tr><td>blue</td><td>L2X4,6-12UB</td></tr> <tr><td>green</td><td>L2X4,6-12UG</td></tr> <tr><td>red</td><td>L2X4,6-12UR</td></tr> <tr><td>white</td><td>L2X4,6-12UW</td></tr> <tr><td>yellow</td><td>L2X4,6-12UY</td></tr> </table>	blue	L2X4,6-12UB	green	L2X4,6-12UG	red	L2X4,6-12UR	white	L2X4,6-12UW	yellow	L2X4,6-12UY
blue	L2X4,6-12UB											
green	L2X4,6-12UG											
red	L2X4,6-12UR											
white	L2X4,6-12UW											
yellow	L2X4,6-12UY											
	<p>Ultra-bright LED, W2x4,6d socket -24V with integrated single-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>	<table> <tr><td>blue</td><td>L2X4,6-24UB</td></tr> <tr><td>green</td><td>L2X4,6-24UG</td></tr> <tr><td>red</td><td>L2X4,6-24UR</td></tr> <tr><td>white</td><td>L2X4,6-24UW</td></tr> <tr><td>yellow</td><td>L2X4,6-24UY</td></tr> </table>	blue	L2X4,6-24UB	green	L2X4,6-24UG	red	L2X4,6-24UR	white	L2X4,6-24UW	yellow	L2X4,6-24UY
blue	L2X4,6-24UB											
green	L2X4,6-24UG											
red	L2X4,6-24UR											
white	L2X4,6-24UW											
yellow	L2X4,6-24UY											
	<p>Ultra-bright LED, T5,5K socket -12V with integrated series resistor and single-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>	<table> <tr><td>blue</td><td>L5,5K12UB</td></tr> <tr><td>green</td><td>L5,5K12UG</td></tr> <tr><td>red</td><td>L5,5K12UR</td></tr> <tr><td>white</td><td>L5,5K12UW</td></tr> <tr><td>yellow</td><td>L5,5K12UY</td></tr> </table>	blue	L5,5K12UB	green	L5,5K12UG	red	L5,5K12UR	white	L5,5K12UW	yellow	L5,5K12UY
blue	L5,5K12UB											
green	L5,5K12UG											
red	L5,5K12UR											
white	L5,5K12UW											
yellow	L5,5K12UY											

Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration

Description

Type



Ultra-bright LED, T5.5K socket - 24V

with integrated series resistor and single-wave rectifier

for 24V 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	blue	L5,5K24UB
	green	L5,5K24UG
	red	L5,5K24UR
	white	L5,5K24UW
	yellow	L5,5K24UY



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 %

Colour:	red	green	
Rated current [mA]:	14	13	
Brightness [mcd]:	2300	650	
Dom. wavelength: [nm]	625	525	
colour	red/green		L5,5K24RG

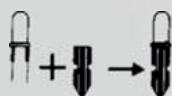


Ultra-bright LED

solder pins, grid 2.54 mm

ready-made for CTP_485

900 mcd	blue	LED3UB
2760 mcd	green	LED3UG
1800 mcd	red	LED3UR
3680 mcd	white	LED3UW
1800 mcd	yellow	LED3UY



LED Adapter

LA5,5

for LED's of 3 and 5 mm Ø to be used in

T5.5K sockets,

an external resistor must be provided.

lamp socket	T5,5K
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Illustration	Description	Type
	<p>Incandescent Lamp with W2x4.6d socket</p> <p>6V / 1,2W (200mA) W2X4,6-6V 12V / 1,0W (80mA) W2X4,6-12V 24 ... 30V / 0,8 ... 1,3W (35 ... 43mA) W2X4,6-24/30V 48V / 1,2W (25mA) W2X4,6-48V 60V / 1,2W (20mA) W2X4,6-60V</p>	
	<p>Incandescent Lamp with T5.5K socket</p> <p>6V / 1,2W (200mA) T5,5K-6V 12V / 1,2W (100mA) T5,5K-12V 24V / 1,2W (50mA) T5,5K-24V 30V / 1,2W (40mA) T5,5K-30V 36V / 1,2W (35mA) T5,5K-36V 48V / 1,2W (25mA) T5,5K-48V 60V / 1,2W (20mA) T5,5K-60V</p>	
	<p>Series Condensator (RC combination)</p> <p>entirely sealed, with a safe-to-touch Faston terminal 2.8 x 0.8 mm and one partially insulated Faston clamp 2.8 x 0.8 mm, for the operation of incandescent lamps: 48 V (25 mA) at 240 V ~ 50 Hz 130 V (20 mA) at 240 V ~ 50 Hz</p>	VC1
	<p>Potential Divider (for incandescent lamps)</p> <p>Faston terminals 2.8x0.8 mm to operate an incandescent lamp 60V (25mA) at 230V~ 50Hz</p>	VE_1
	<p>Potential Divider (for LED's)</p> <p>Faston terminals 2.8x0.8 mm to operate a LED at 230V AC</p>	VE_LED230
	<p>Cable Set with Faston connections</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VK2,8
	<p>Cable Set with wire end ferrules</p> <p>suitable for VE_1 and VE_LED230</p>	VE_VKAE





General Data

Type Reference:	BZ...K
Description:	Twin contact block, separate plungers, positive opening contact
Approvals:	CCC, cCSAus, ENEC10, VDE, CE, GOST-R, NV, TÜV_SÜD, CE, UkrSepro, 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 LED's
Mechanical life:	1m operations
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)

	alternate current	direct current
Utilisation category:	AC15 B300	DC13 Q600
Rated insulation voltage Ui:	250 V	300 V
Rated operating voltage Ue:	250V	250V / 125V / 60V / 24V
Rated operating current Ie:	1.5A	0.2A / 0.4A / 1A / 2A
Breaking capacity:	10Ie	1.1Ie
Continuous thermal current:	6A	

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

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
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Contact Blocks

screw connection 2.5 mm²



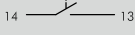




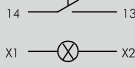




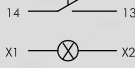



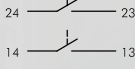




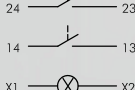












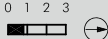




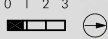






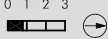






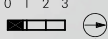
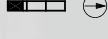





Illustration	Description	Type
  <p>14/13 0 1 2 3</p> 	<p>Contact Block, momentary 1NO screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZIK</p>
   <p>14/13 0 1 2 3</p> 	<p>Illuminated Contact Block, momentary 1NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLIK</p>
   <p>14/13 0 1 2 3</p> 	<p>Illuminated Contact Block, momentary 1NO screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLI5K</p>
  <p>24/23 0 1 2 3 14/13</p> 	<p>Contact Block, momentary 2NO screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZIIK</p>
   <p>24/23 0 1 2 3 14/13</p> 	<p>Illuminated Contact Block, momentary 2NO screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLIK</p>

Illustration	Description	Type
 <p>3mm</p> <p>24/23 </p> <p>14/13 </p> <p>24 </p> <p>23 </p> <p>14 </p> <p>13 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 2NO</p> <p>screw connection 2.5 mm²</p> <p>lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BZLI5K
 <p>3mm</p> <p>22/21 </p> <p>22 </p> <p>21 </p>	<p>Contact Block, momentary 1NC</p> <p>screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BZOK
 <p>3mm</p> <p>22/21 </p> <p>22 </p> <p>21 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 1NC</p> <p>screw connection 2.5 mm²</p> <p>lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BZLOK
 <p>3mm</p> <p>22/21 </p> <p>22 </p> <p>21 </p> <p>X1 </p> <p>X2 </p>	<p>Illuminated Contact Block, momentary 1NC</p> <p>screw connection 2.5 mm²</p> <p>lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BZLO5K
 <p>3mm</p> <p>22/21 </p> <p>12/11 </p> <p>22 </p> <p>21 </p> <p>12 </p> <p>11 </p>	<p>Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	BZOOK

Contact Blocks

screw connection 2.5 mm²


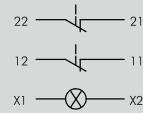
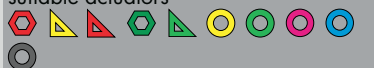

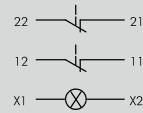


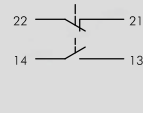


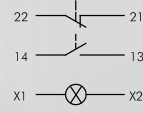


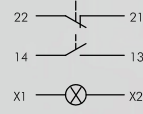

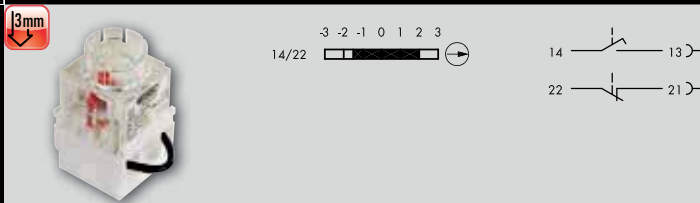

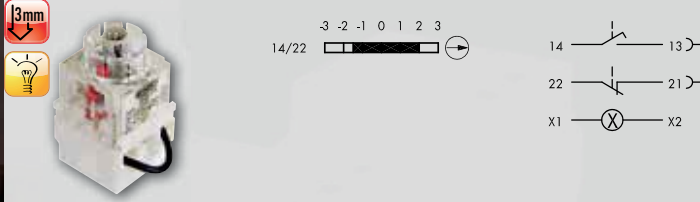

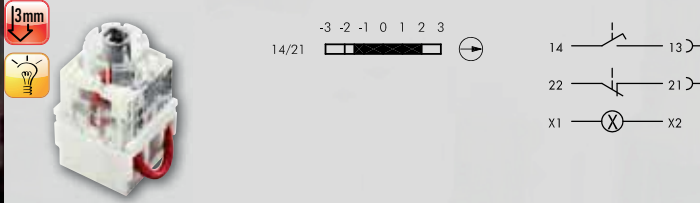

Illustration	Description	Type
 <p>13mm</p> <p>22/21 0 1 2 3</p> <p>12/11</p> 	<p>Illuminated Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLOOK</p>
 <p>13mm</p> <p>22/21 0 1 2 3</p> <p>12/11</p> 	<p>Illuminated Contact Block, momentary 2NC</p> <p>screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLOO5K</p>
 <p>13mm</p> <p>22/21 0 1 2 3</p> <p>14/13</p> 	<p>Contact Block, momentary 1NC + 1NO</p> <p>screw connection 2.5 mm²</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZOIK</p>
 <p>13mm</p> <p>22/21 0 1 2 3</p> <p>14/13</p> 	<p>Illuminated Contact Block, momentary 1NC + 1NO</p> <p>screw connection 2.5 mm² lamp socket W2x4,6d</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLOIK</p>
 <p>13mm</p> <p>22/21 0 1 2 3</p> <p>14/13</p> 	<p>Illuminated Contact Block, momentary 1NC + 1NO</p> <p>screw connection 2.5 mm² lamp socket T5,5K</p> <p>suitable actuators</p>  <p>contact material AgNi</p>	<p>BZLO15K</p>

Illustration	Description	Type
	<p>Contact Block for Emergency Stops with failure switch-off *) 1NC + 1NO early make screw connection 2.5 mm² *) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.</p> <p>suitable actuators  contact material AgNi</p>	<p>BZOSK</p>
	<p>Illuminated Contact Block for Emergency Stops with failure switch-off *) 1NC + 1NO early make screw connection 2.5 mm² *) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.</p> <p>lamp socket W2x4,6d suitable actuators  contact material AgNi</p>	<p>BZLOSK</p>
	<p>Illuminated Contact Block for Emergency Stops with failure switch-off *) 1NO + 1NO early make screw connection 2.5 mm² *) 1 NC, connected in series to 1 NO which is closed during operation but opens automatically when the actuator is separated from the contact block.</p> <p>lamp socket T5,5K suitable actuators  contact material AgNi</p>	<p>BZLOS5K</p>

Contact Blocks

screw connection 2.5 mm²

Illustration

Description

Type



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

with integrated single-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	blue	L2X4,6-12UB
	green	L2X4,6-12UG
	red	L2X4,6-12UR
	white	L2X4,6-12UW
	yellow	L2X4,6-12UY



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

with integrated single-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	blue	L2X4,6-24UB
	green	L2X4,6-24UG
	red	L2X4,6-24UR
	white	L2X4,6-24UW
	yellow	L2X4,6-24UY



Ultra-bright LED, T5,5K socket - 12V

with integrated series resistor and single-
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





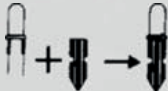
ambient temperature:

-20°C ... +60°C

voltage tolerance:






+10 %

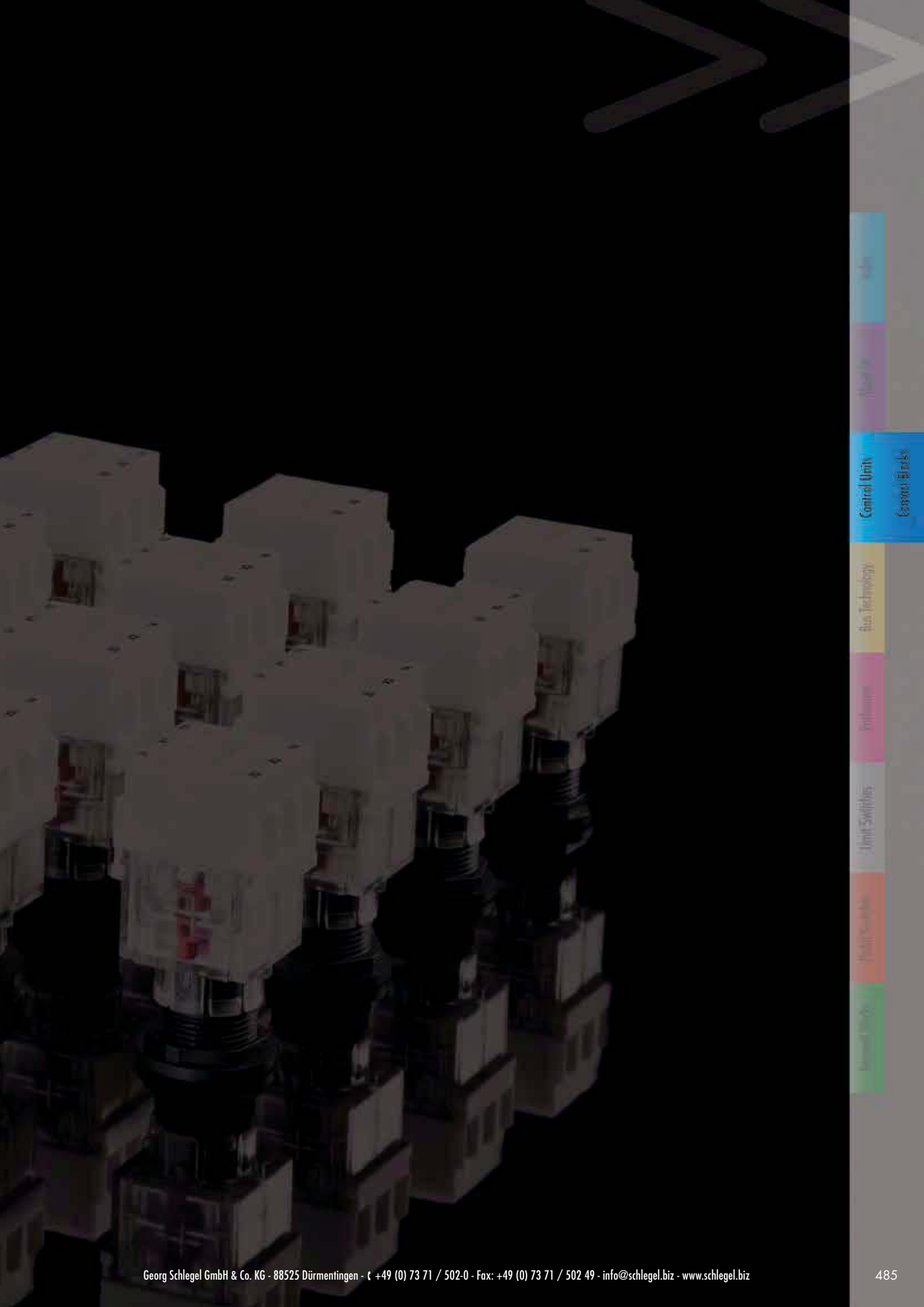
colour	blue	L5,5K12UB
	green	L5,5K12UG
	red	L5,5K12UR
	white	L5,5K12UW
	yellow	L5,5K12UY

Illustration	Description	Type															
	<p>Ultra-bright LED, T5.5K socket - 24V with integrated series resistor and single-wave rectifier for 24V 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>	<table> <tr><td>blue</td><td>L5,5K24UB</td></tr> <tr><td>green</td><td>L5,5K24UG</td></tr> <tr><td>red</td><td>L5,5K24UR</td></tr> <tr><td>white</td><td>L5,5K24UW</td></tr> <tr><td>yellow</td><td>L5,5K24UY</td></tr> </table>	blue	L5,5K24UB	green	L5,5K24UG	red	L5,5K24UR	white	L5,5K24UW	yellow	L5,5K24UY					
blue	L5,5K24UB																
green	L5,5K24UG																
red	L5,5K24UR																
white	L5,5K24UW																
yellow	L5,5K24UY																
	<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> <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>Dom. wavelength: [nm]</td><td>625</td><td>525</td></tr> <tr><td>colour</td><td>red/green</td><td></td></tr> </table> <p>L5,5K24RG</p>	Colour:	red	green	Rated current [mA]:	14	13	Brightness [mcd]:	2300	650	Dom. wavelength: [nm]	625	525	colour	red/green	
Colour:	red	green															
Rated current [mA]:	14	13															
Brightness [mcd]:	2300	650															
Dom. wavelength: [nm]	625	525															
colour	red/green																
	<p>Ultra-bright LED solder pins, grid 2.54 mm ready-made for CTP_485</p>	<table> <tr><td>900 mcd</td><td>blue</td><td>LED3UB</td></tr> <tr><td>2760 mcd</td><td>green</td><td>LED3UG</td></tr> <tr><td>1800 mcd</td><td>red</td><td>LED3UR</td></tr> <tr><td>3680 mcd</td><td>white</td><td>LED3UW</td></tr> <tr><td>1800 mcd</td><td>yellow</td><td>LED3UY</td></tr> </table>	900 mcd	blue	LED3UB	2760 mcd	green	LED3UG	1800 mcd	red	LED3UR	3680 mcd	white	LED3UW	1800 mcd	yellow	LED3UY
900 mcd	blue	LED3UB															
2760 mcd	green	LED3UG															
1800 mcd	red	LED3UR															
3680 mcd	white	LED3UW															
1800 mcd	yellow	LED3UY															
		<p>LED Adapter LA5,5 for LED's of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided.</p> <table> <tr><td>lamp socket</td><td>T5,5K</td></tr> </table>	lamp socket	T5,5K													
lamp socket	T5,5K																

Contact Blocks

screw connection 2.5 mm²

Illustration	Description	Type
	Incandescent Lamp with W2x4.6d socket 6V / 1,2W (200mA) W2X4,6-6V 12V / 1,0W (80mA) W2X4,6-12V 24 ... 30V / 0,8 ... 1,3W (35 ... 43mA) W2X4,6-24/30V 48V / 1,2W (25mA) W2X4,6-48V 60V / 1,2W (20mA) W2X4,6-60V	
	Incandescent Lamp with T5.5K socket 6V / 1,2W (200mA) T5,5K-6V 12V / 1,2W (100mA) T5,5K-12V 24V / 1,2W (50mA) T5,5K-24V 30V / 1,2W (40mA) T5,5K-30V 36V / 1,2W (35mA) T5,5K-36V 48V / 1,2W (25mA) T5,5K-48V 60V / 1,2W (20mA) T5,5K-60V	
	Potential Divider (for incandescent lamps) Faston terminals 2.8x0.8 mm to operate an incandescent lamp 60V (25mA) at 230V~ 50Hz	VE_1
	Potential Divider (for LED's) Faston terminals 2.8x0.8 mm to operate a LED at 230V AC	VE_LED230
	Cable Set with wire end ferrules suitable for VE_1 and VE_LED230	VE_VKAE



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