General Data

Type Reference:	AZ...
Description:	Twin Contact Block, separate plungers, positive opening contact
Approvals:	CCC, cCSAus, ENEC05, KEMA, CE, NV, TÜV_Süd
Protection class:	II (protective insulation)
Operation travel:	6 mm
Connection type:	Faston terminals 2.8x0.8 mm
Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 70°C
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 (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NO:	< 10ms
Bouncing time NC:	< 20ms
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 A300	DC13 Q300
Rated insulation voltage Ui:	250 V	300 V
Rated operating voltage Ue:	250 V	250V / 125V / 60V / 24V
Rated operating current Ie:	3A	0.2A / 0.4A / 1A / 2A
Breaking capacity:	10Ie	1,1Ie
Continuous thermal current:	6 A	

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

Rated voltage Ue:	250 V~
Rated current Ie:	6(4) A

Electrical Features - 5µm gold-plating, type addition ...AU

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

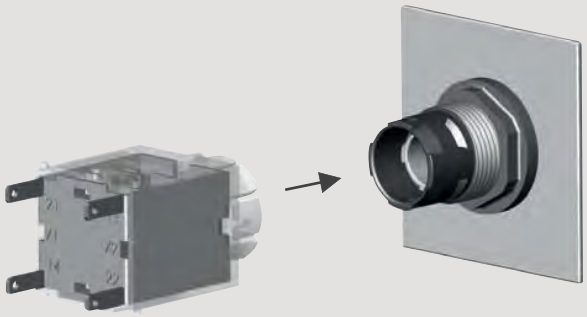
Note

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.

The electrical data acc. to UL/CSA may deviate.

Mounting Instructions

1.



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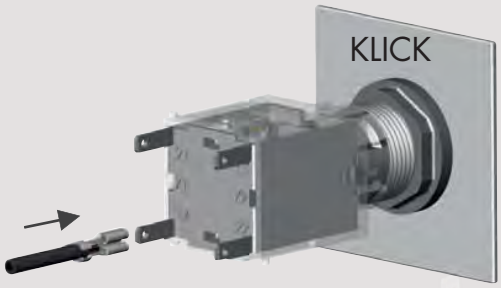

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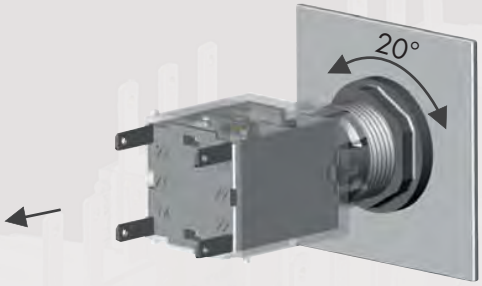

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Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration	Description	Type

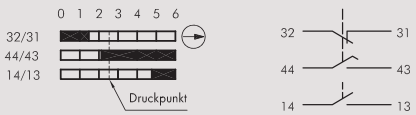
6 mm

Contact Block, momentary
1NC + 1NO + 1NO early make
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP8

suitable actuators

contact material	AgNi	**AZ011**
contact material	AgNi, gold-plated	**AZ011_AU**

6 mm



Two-step Contact Block, momentary
1NC + 1NO + 1NO early make
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP10

suitable actuators

contact material	AgNi	**AZ011_97**

6 mm

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

suitable actuators

contact material	AgNi	**AZOO**
contact material	AgNi, gold-plated	**AZOO_AU**

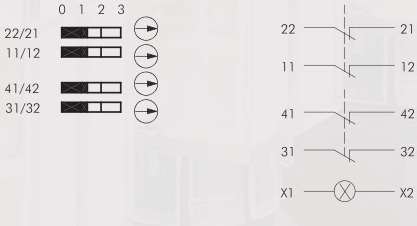
3/6mm

Contact Block, momentary
4NC
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP8

suitable actuators

contact material	AgNi	**AZ4O**

3/6mm

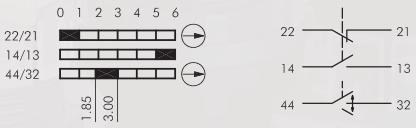


Illuminated Contact Block, momentary
4NC
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP10
lamp socket T5,5K

suitable actuators

contact material	AgNi	**AZL4O**

6 mm



Contact Block, momentary
1NC + 1NO + 1centre contact
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP8

suitable actuators

contact material	AgNi	**AZ111**
contact material	AgNi, gold-plated	**AZ111_AU**

3/6mm

Contact Block, momentary
4NO
Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP8

suitable actuators

contact material	AgNi	**AZ4I**

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany

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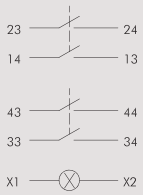
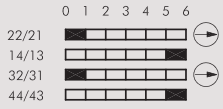
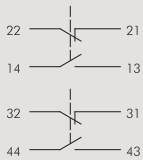
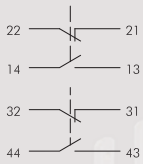
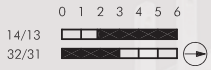
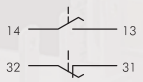
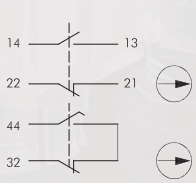
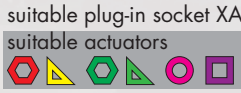
Illustration	Description	Type
3/6mm 	**Illuminated Contact Block, momentary** **4NO** Faston terminals 2.8x0.8 mm suitable plug-in socket XAP10 lamp socket T5,5K suitable actuators contact material AgNi	**AZL4I**
6 mm  	**Contact Block, momentary** **2NC+2NO** Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators contact material AgNi	**AZ2**
3/6mm 	**Contact Block, momentary** **2NC+2NO** Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators contact material AgNi	**AZ2N**
6 mm  	**Contact Block, momentary** **1 NO early make + 1 NC late break** Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators contact material AgNi contact material AgNi, gold-plated	**AZVN** **AZVN_AU**
3/6mm 	**Momentary Contact Block for Emergency Stops, with failure switch-off *)** **2NC + 1NO** Faston terminals 2.8x0.8 mm *) 1 NC, 1 NO and 1 safety circuit, consisting of 1 NC for emergency stop connected in series with 1 NO, which is always closed during operation but opens automatically once the actuator and contact block are separated from each other. suitable plug-in socket XAP8 suitable actuators  contact material AgNi contact material AgNi, gold-plated	**AZOSOI** **AZOSOI_AU**

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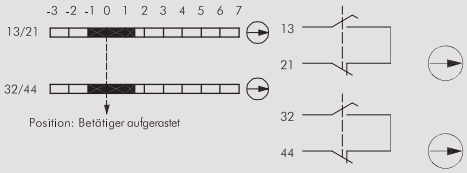
Illustration	Description	Type

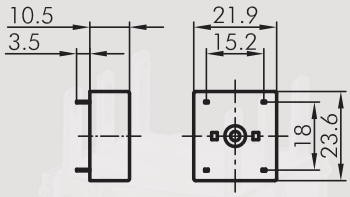
3/6mm

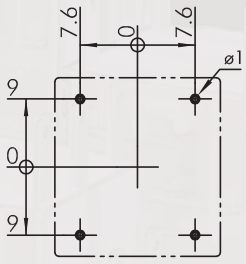


Momentary Contact Block for Emergency Stops with failure switch-off *)
2NC
Faston terminals 2.8x0.8 mm
*) 2 safety circuits, consisting of 1 NC for emergency stop connected in series with 1 NO, which is always closed during operation but opens automatically once the actuator and contact block are separated from each other.

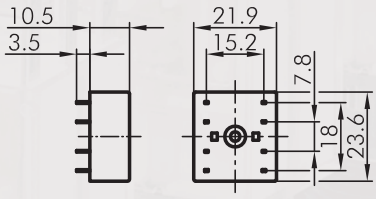
suitable plug-in socket XAP8
suitable actuators

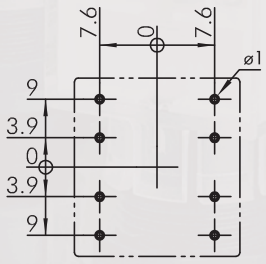
contact material	AgNi	**AZSOSO**
contact material	AgNi, gold-plated	**AZSOSO_AU**





Plug-in Socket **XAP4**
PCB-mount terminals
with 4 pins





Plug-in Socket **XAP8**
PCB-mount terminals
with 8 pins

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany

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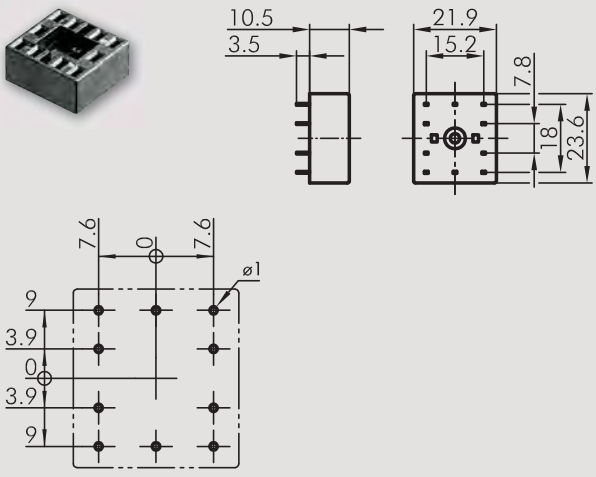
Illustration	Description	Type
	**Plug-in Socket** PCB-mount terminals with 10 pins	**XAP10**
	Insulating Case for Faston clamp FH2,8, slip on from the front	**IH2,8**
	Faston Clamp 2.8 x 0.8 mm with snap-in pin Cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8	**FH2,8**
	Double Faston for the connection of 2 Faston clamps FH2.8	**FD2,8**
	Ultra-bright LED, T5,5K socket, 12V with integrated series resistor and half-wave rectifier, for 12 V AC/DC (7/14 mA) When connecting to DC, the correct polarity must be observed: + ... X1/- ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white	**L5,5K12UW**
	Ultra-bright LED, T5,5K socket, 24V with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA) When connecting to DC, the correct polarity must be observed: + ... X1/- ... X2 storage temperature: -25°C ... +80°C ambient temperature: -20°C ... +60°C voltage tolerance: + 10 % colour white	**L5,5K24UW**

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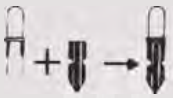
Contact Blocks

Faston terminals 2.8x0.8 mm

Illustration	Description	Type
	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 Dominant wavelength: [nm] 625 525 colour red/green	**L5,5K24RG**
	**LED Adapter** for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided. lamp socket T5,5K	**LA5,5**
	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**