



General Data

Type reference:	AT..., AF...
Description:	Contact block, positive opening contact
Approvals:	CCC, CSA, DNVGL, ENEC10, VDE, CE, UR
Protection class:	II (protective insulation)
Operation travel:	6 mm
Connection type:	Faston terminals 2.8x0.8 mm / PCB-mount terminals
Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 70°C, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LEDs
Mechanical life:	1 million switching cycles
Electrical life (rated load):	1 million operations
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(3) A

Technical Data - Lamp

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

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

O = NC contact; I = NO contact

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.

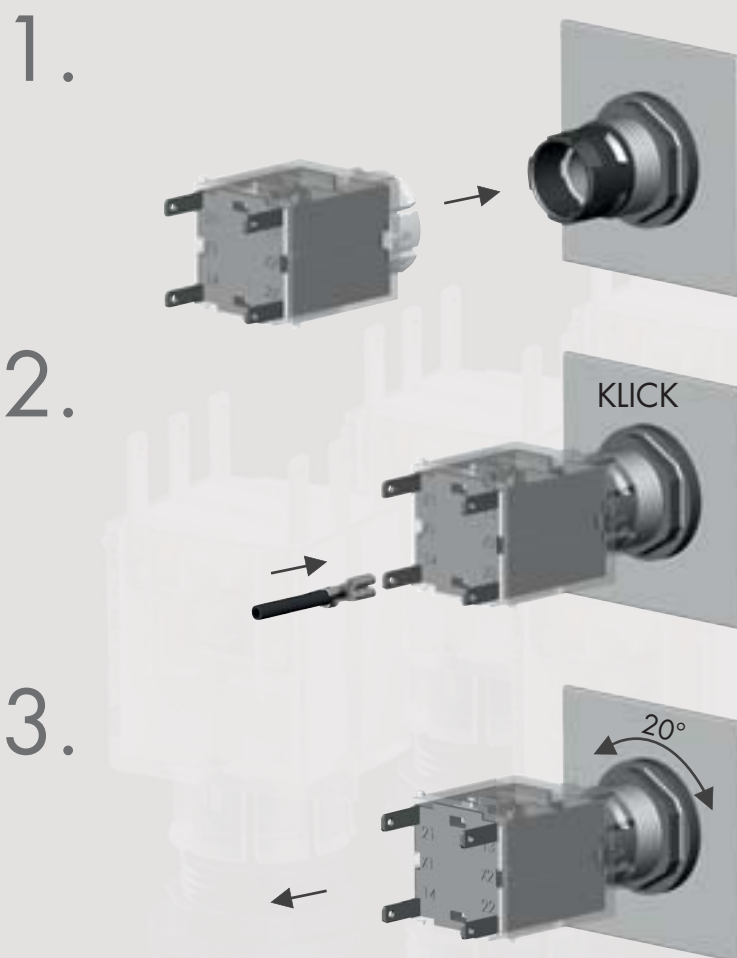




Illustration Description Type


IP00

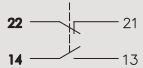
↓ 6 mm



0 1 2 3 4 5 6


22/21 

14/13 

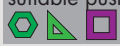


Contact block, momentary
1NC + 1NO

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



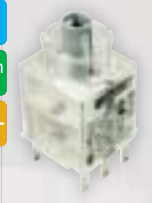
suitable pushbuttons and switches:




Contact material: AgNi **AT**
AgNi, gold-plated **AT_AU**


IP00

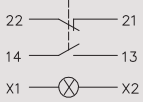
↓ 6 mm



0 1 2 3 4 5 6


22/21 

14/13 




Illuminated contact block, momentary
1NC + 1NO

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



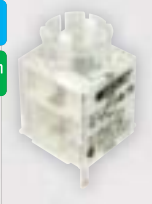
suitable pushbuttons and switches:



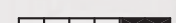
Contact material: AgNi **ATL**
AgNi, gold-plated **ATL_AU**

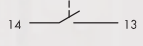
IP00

↓ 6 mm




0 1 2 3 4 5 6

14/13 

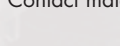


Contact block, momentary
1NO

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




suitable pushbuttons and switches:




Contact material: AgNi **ATI**
AgNi, gold-plated **ATI_AU**

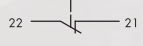
IP00

↓ 6 mm




0 1 2 3 4 5 6

22/21 




Contact block, momentary
1NC

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



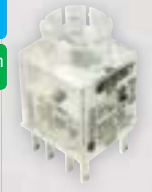
suitable pushbuttons and switches:




Contact material: AgNi **ATO**
AgNi, gold-plated **ATO_AU**

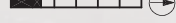
IP00

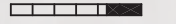
↓ 6 mm

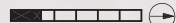


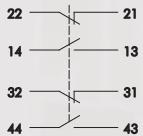
0 1 2 3 4 5 6

22/21 

14/13 


32/31 

44/43 

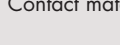


Contact block, momentary
2NC + 2NO

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



suitable pushbuttons and switches:



Contact material: AgNi **AT2**
AgNi, gold-plated **AT2_AU**

Contact blocks A...

flat-plug connections

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Illustration

Description

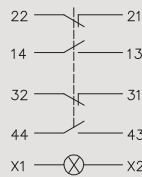
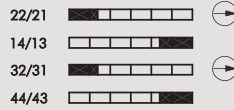
Type

IP00

6 mm



0 1 2 3 4 5 6



Illuminated contact block, momentary

2NC + 2NO

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

suitable pushbuttons and switches:



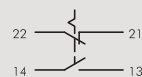
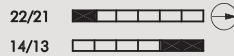
Contact material: AgNi **ATL2**
AgNi, gold-plated **ATL2_AU**

IP65

6 mm



0 1 2 3 4 5 6



Contact block, maintained

1NC + 1NO

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

suitable pushbuttons and switches:



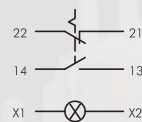
Contact material: AgNi **AF**
AgNi, gold-plated **AF_AU**

IP00

6 mm



0 1 2 3 4 5 6



Illuminated contact block, maintained

1NC + 1NO

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

suitable pushbuttons and switches:



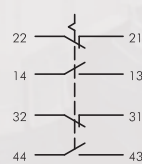
Contact material: AgNi **AFL**
AgNi, gold-plated **AFL_AU**

IP00

6 mm



0 1 2 3 4 5 6



Contact block, maintained

2NC + 2NO

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

suitable pushbuttons and switches:



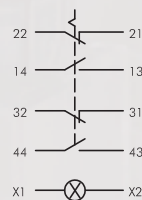
Contact material: AgNi **AF2**
AgNi, gold-plated **AF2_AU**

IP00

6 mm



0 1 2 3 4 5 6



Illuminated contact block, maintained

2NC + 2NO

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

suitable pushbuttons and switches:



Contact material: AgNi **AFL2**
AgNi, gold-plated **AFL2_AU**

About Us

Busbuttons/Switches

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration

Description

Type

IP00



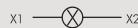
Lampholder

Faston terminals 2.8x0.8 mm
suitable plug-in socket XAP2
Lamp socket T5,5K

suitable pilot light heads:



AL5



Lampholder

Faston terminals 2.8x0.8 mm
Lamp socket T5,5K

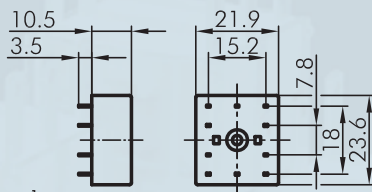
suitable pilot light heads:



L5

L5

Accessories



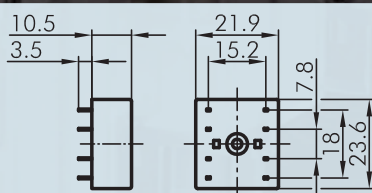
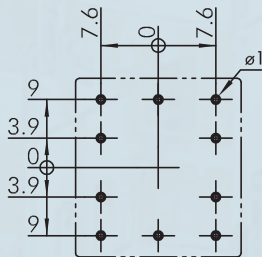
Plug-in socket with 10 contacts

Connection type: PCB-mount terminals

suitable contact blocks:



XAP10



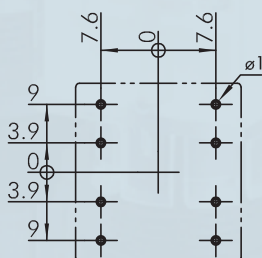
Plug-in socket with 8 contacts

Connection type: PCB-mount terminals

suitable contact blocks:



XAP8



Contact blocks A...

flat-plug connections

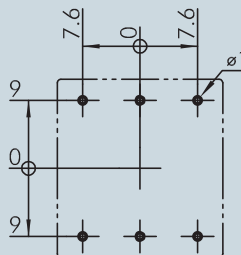
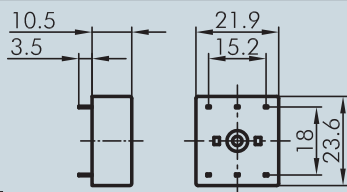
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Illustration

Description

Type



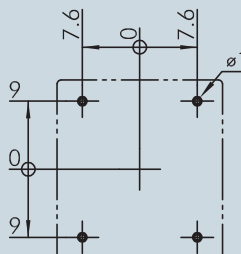
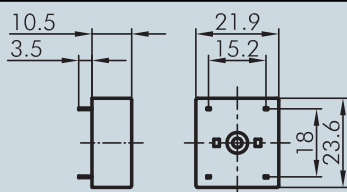
Plug-in socket with 6 contacts

Connection type: PCB-mount terminals

suitable contact blocks:

A BZ

XAP6



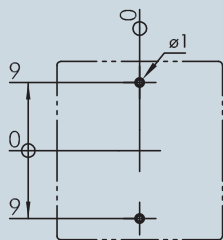
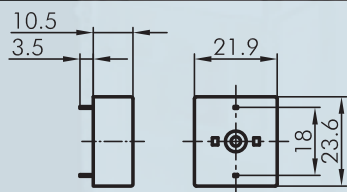
Plug-in socket with 4 contacts

Connection type: PCB-mount terminals

suitable contact blocks:

A AZ BZ

XAP4



Plug-in socket with 2 contacts

fits the lampholders

Connection type: PCB-mount terminals

suitable contact blocks:

A B

XAP2



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

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→ Contact Blocks

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology




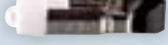


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Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration	Description	Type																				
	<p>Double Faston for the connection of 2 Faston clamps FH2.8</p>	<p>FD2,8</p>																				
	<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</p>	<p>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</p>	<p>L5,5K24UW</p>																				
	<p>Two-colour LED, T5,5K socket - 24V with built-in series resistor colour depending on the polarity storage temperature: -25°C ... +80°C+80°C ambient temperature: -20°C ... +60°C+60°C voltage tolerance + 10 %+ 10 %</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>dominant wave length [nm]:</td> <td>625</td> <td>525</td> </tr> </table> <p>colour: red/green</p>	colour:	red	green	rated current [mA]:	14	13	brightness [mcd]:	2300	650	dominant wave length [nm]:	625	525	<p>L5,5K24RG</p>								
colour:	red	green																				
rated current [mA]:	14	13																				
brightness [mcd]:	2300	650																				
dominant wave length [nm]:	625	525																				
 	<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> <p>suitable contact blocks:</p> <table border="1"> <tr> <td>A</td> <td>AZ</td> <td>B</td> <td>B...t</td> <td>BZ</td> <td>BZ.k</td> <td>B439</td> <td>CT</td> <td>CTF</td> <td>CTP</td> </tr> <tr> <td>CZ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	A	AZ	B	B...t	BZ	BZ.k	B439	CT	CTF	CTP	CZ										<p>LA5,5</p>
A	AZ	B	B...t	BZ	BZ.k	B439	CT	CTF	CTP													
CZ																						

Contact blocks A...

flat-plug connections

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About Us

Bushbuttrons/Switches

→ Contact Blocks

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration

Description

Type



Voltage reducer to operate an LED at 230V AC

- max. 12mA with LD9-24V/L5,5K24...
- with overvoltage protection
- attention: no electrical isolation
- there could be a dangerous voltage on the lampholder

Connection type: Faston terminals
2.8x0.8 mm

VE_LED230_S



Cable set with Faston connections

suitable for VE_LED230

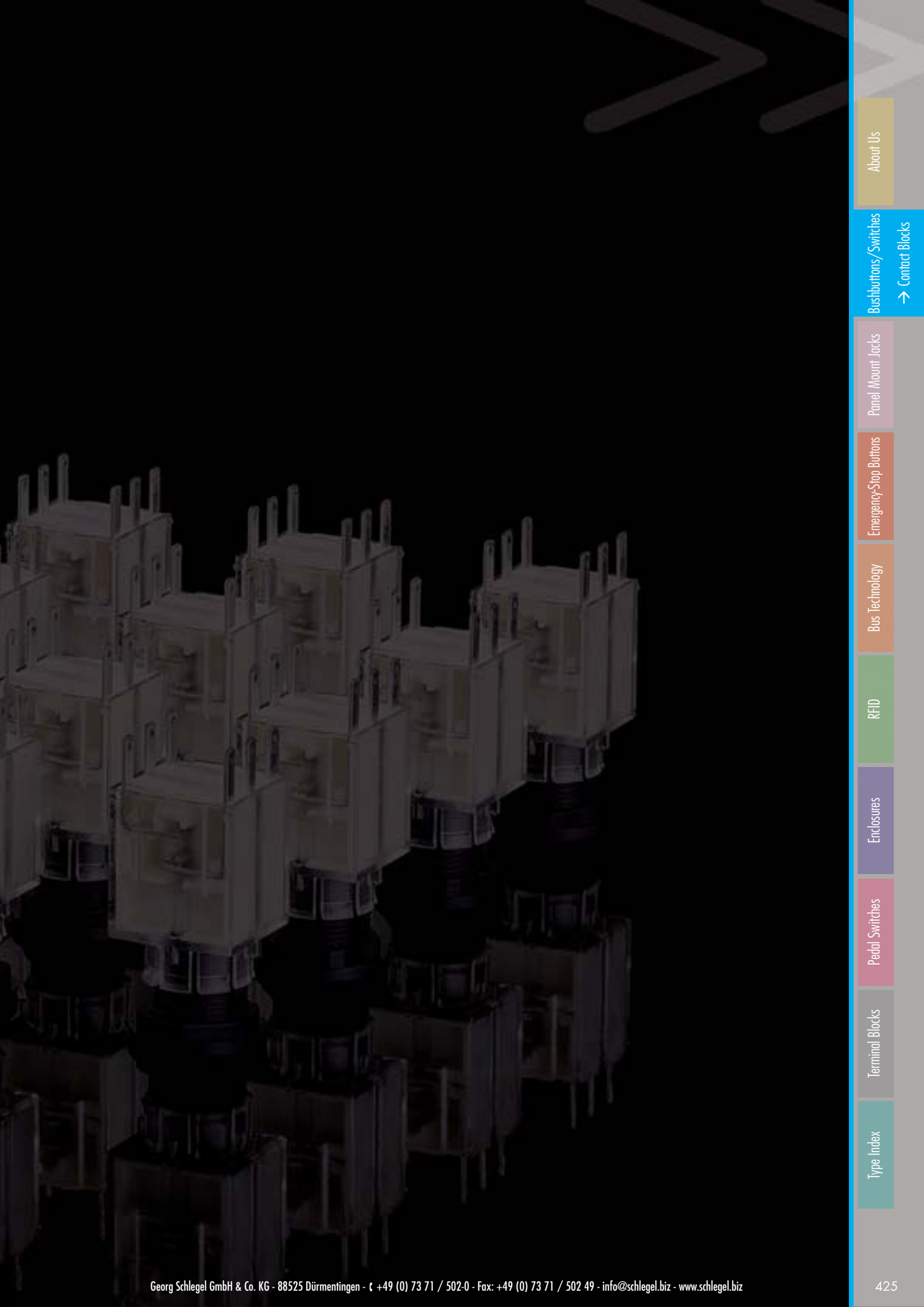
VE_VK2,8



Cable set with wire end ferrules

suitable for VE_LED230

VE_VKAE



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[Emergency-Stop Buttons](#)

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[RFID](#)

[Enclosures](#)

[Pedal Switches](#)

[Terminal Blocks](#)

[Type Index](#)