



General Data

Type Reference:	AT..., AF...
Description:	Contact Block, positive opening contact
Approvals:	CCC, CSA, ENEC10, VDE, CE, NV, 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 m switching cycles
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
Positive opening contact:	acc. to EN60947-5-1, appendix. K

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

Utilisation category:	alternate current AC15 A300	direct current DC13 Q300
Rated insulation voltage U_i :	250 V	300 V
Rated operating voltage U_e :	250 V	250V / 125V / 60V / 24V
Rated operating current I_e :	3A	0.2A / 0.4A / 1A / 2A
Breaking capacity:	10I _e	1,1I _e
Continuous thermal current:	6 A	

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

Rated voltage U_e :	250 V~
Rated current I_e :	6(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

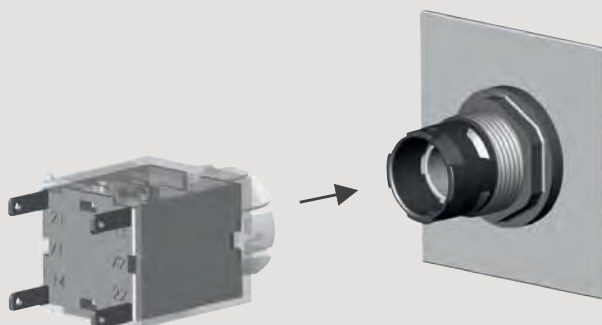
Note

Notice for emergency-stop contact blocks:

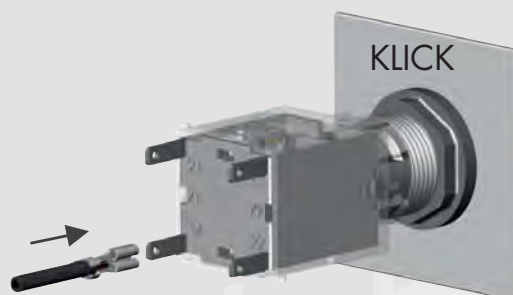
For inverters of the Za type (as defined in EN 60947-5-1), only the NC contact must be used for remotely controlled safety circuits.

Mounting Instructions

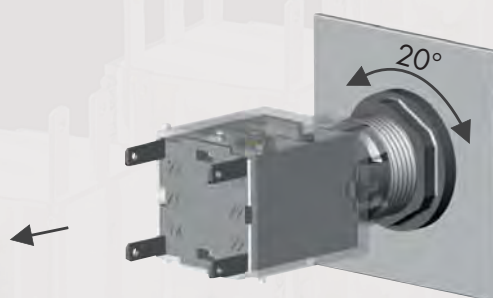
1.



2.



3.



Illustration

Description

Type



Contact Block, momentary 1NC + 1NO

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

suitable actuators

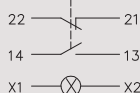


contact material AgNi

AT

contact material AgNi, gold-plated

AT_AU



Illuminated Contact Block, momentary 1NC + 1NO

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

suitable actuators

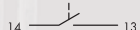
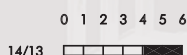


contact material AgNi

ATL

contact material AgNi, gold-plated

ATL_AU



Contact Block, momentary 1NO

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

suitable actuators

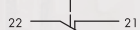
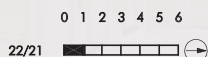


contact material AgNi

ATI

contact material AgNi, gold-plated

ATI_AU



Contact Block, momentary 1NC

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

suitable actuators

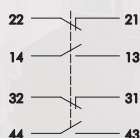
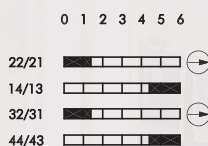


contact material AgNi

ATO

contact material AgNi, gold-plated

ATO_AU



Contact Block, momentary 2NC+2NO

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

suitable actuators

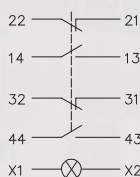
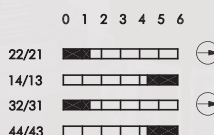


contact material AgNi

AT2

contact material AgNi, gold-plated

AT2_AU



Illuminated Contact Block, momentary 2NC+2NO

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

suitable actuators



contact material AgNi

ATL2

contact material AgNi, gold-plated

ATL2_AU

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany



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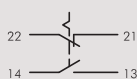
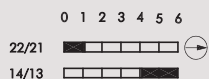
Limit Switches

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Illustration

Description

Type



Contact Block, maintained 1NC + 1NO

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

suitable actuators

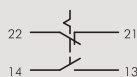
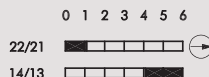


contact material AgNi

AF

contact material AgNi, gold-plated

AF_AU



Illuminated Contact Block, maintained 1NC + 1NO

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

suitable actuators

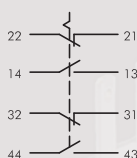
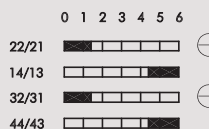


contact material AgNi

AFL

contact material AgNi, gold-plated

AFL_AU



Contact Block, maintained 2NC+2NO

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

suitable actuators

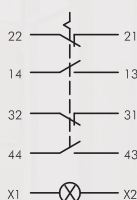
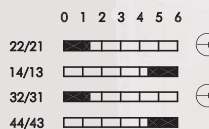


contact material AgNi

AF2

contact material AgNi, gold-plated

AF2_AU



Illuminated Contact Block, maintained 2NC+2NO

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

suitable actuators

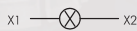


contact material AgNi

AFL2

contact material AgNi, gold-plated

AFL2_AU



Lampholder

AL5

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

suitable pilot light heads



Lampholder

L5

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

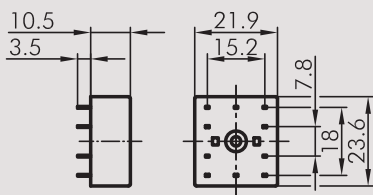
suitable pilot light heads



Illustration

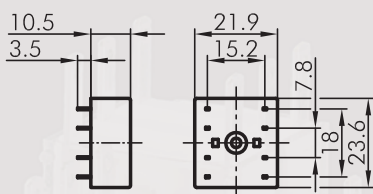
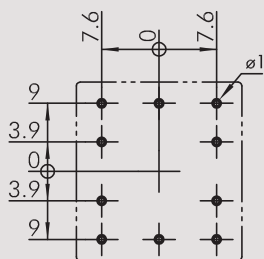
Description

Type



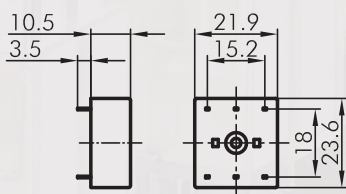
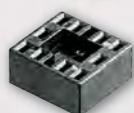
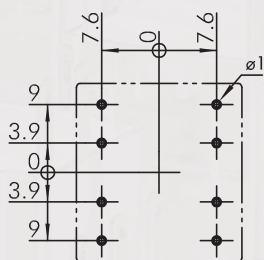
Plug-in Socket
PCB-mount terminals
with 10 pins

XAP10



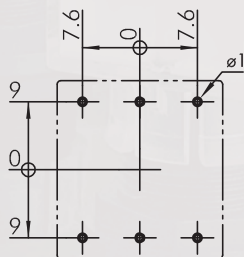
Plug-in Socket
PCB-mount terminals
with 8 pins

XAP8



Plug-in Socket
PCB-mount terminals
with 6 pins

XAP6



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Faston terminals 2.8x0.8 mm

made in germany



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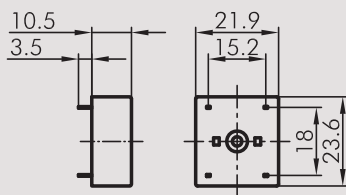
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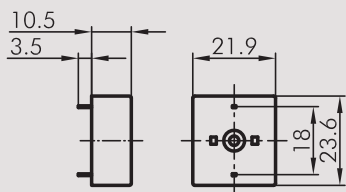
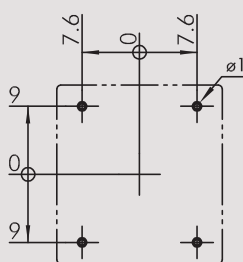
Type



Plug-in Socket

PCB-mount terminals
with 4 pins

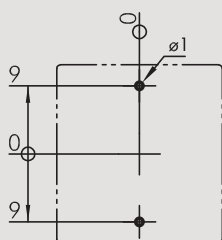
XAP4



Plug-in Socket

PCB-mount terminals
with 2 pins
fits the lampholders

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



Double Faston

for the connection of 2 Faston clamps
FH2.8

FD2,8

Illustration

Description

Type



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



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

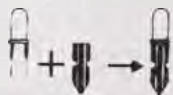
Brightness [mcd]: 2300 650

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

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany



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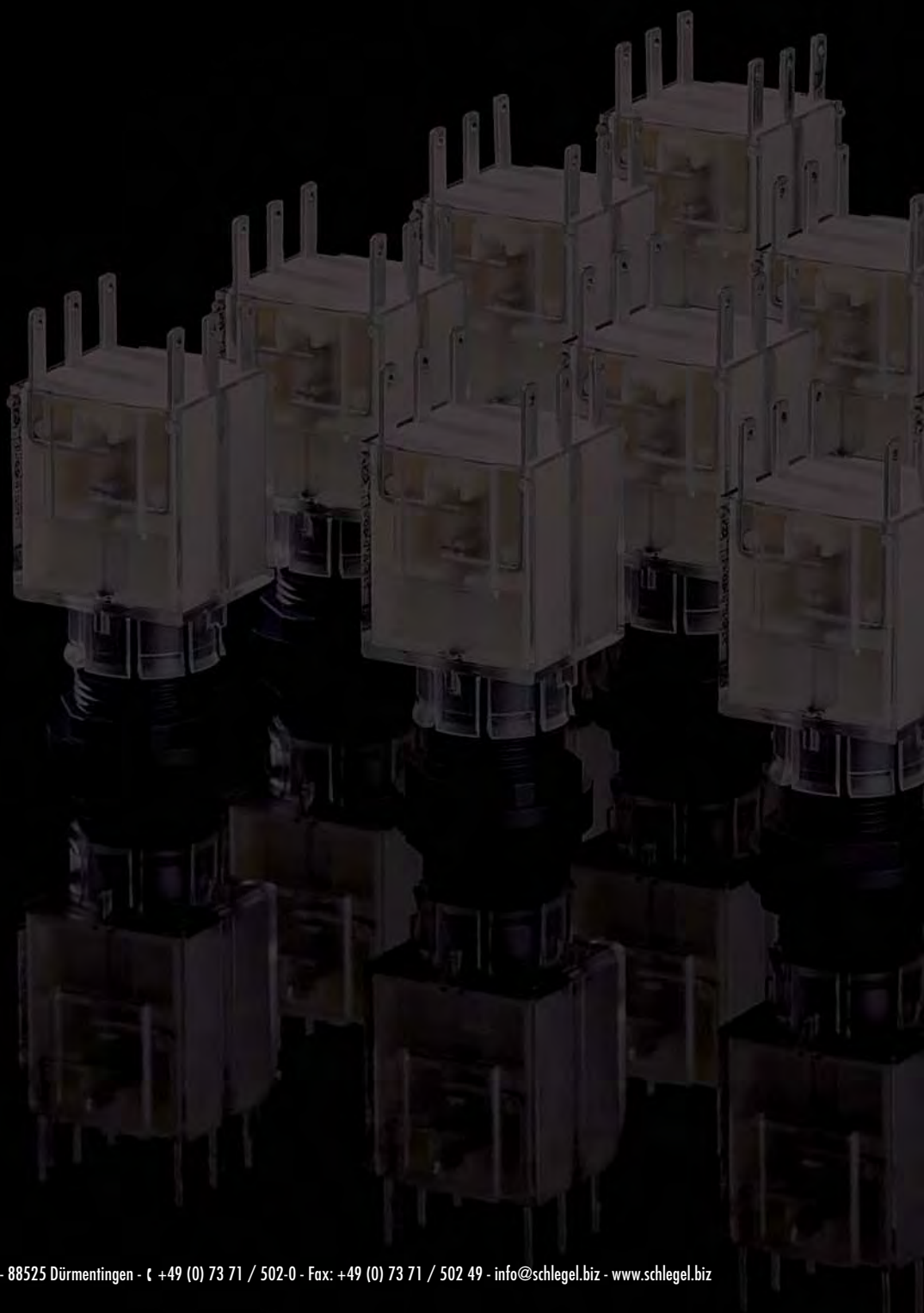
Cable Set with Faston connections VE_VK2,8

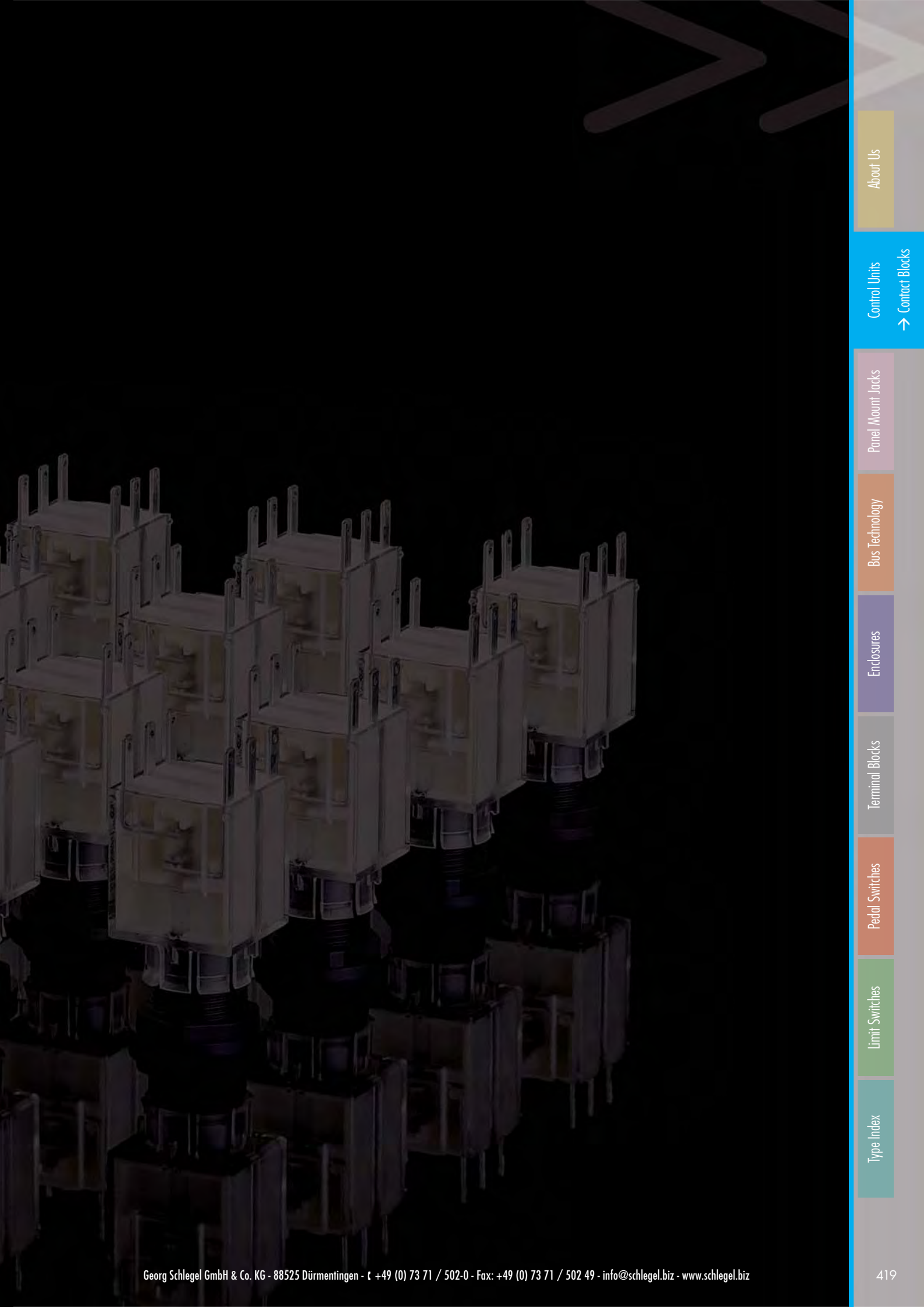
suitable for VE_LED230



Cable Set with wire end ferrules VE_VKAE

suitable for VE_LED230





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