



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

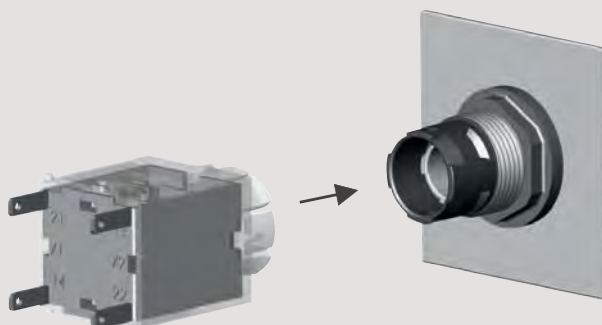
Note

Notice for emergency-stop contact blocks:

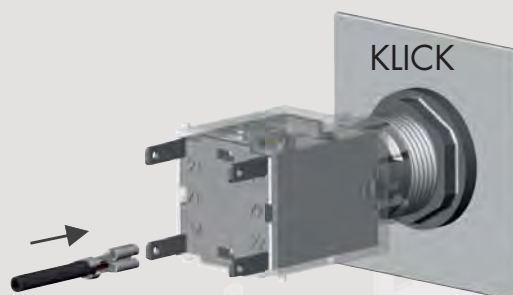
For inverters of the Za type (as defined in EN 60947-5-1), only the NC contact must be used for remotely controlled safety circuits.

Mounting Instructions

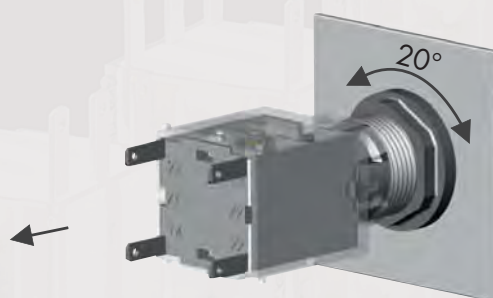
1.



2.



3.



About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index

Illustration

Description

Type



Contact Block, momentary 1NC + 1NO

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

suitable actuators

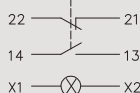


contact material AgNi

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

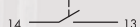
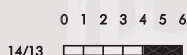


contact material AgNi

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

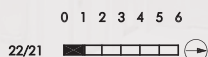


contact material AgNi

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

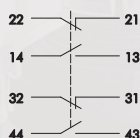
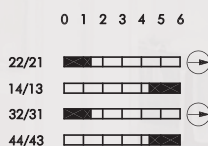


contact material AgNi

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

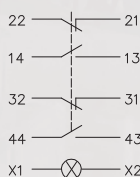
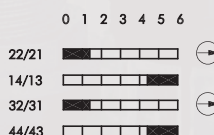


contact material AgNi

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



About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

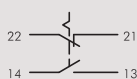
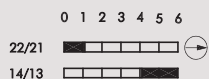
Limit Switches

Type Index

Illustration

Description

Type



Contact Block, maintained 1NC + 1NO

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

suitable actuators

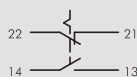


contact material AgNi

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

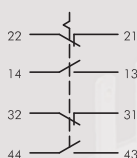
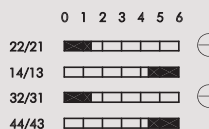


contact material AgNi

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

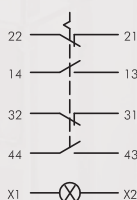
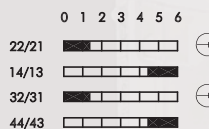


contact material AgNi

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

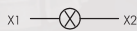


contact material AgNi

AFL2

contact material AgNi, gold-plated

AFL2_AU



Lampholder

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

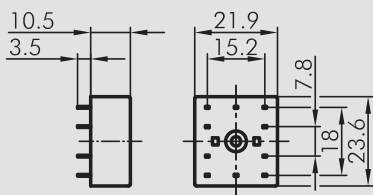


L5

Illustration

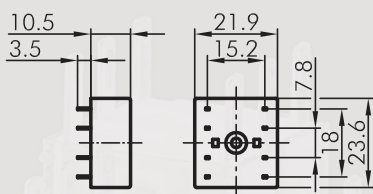
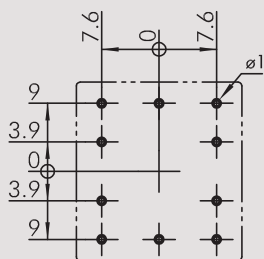
Description

Type



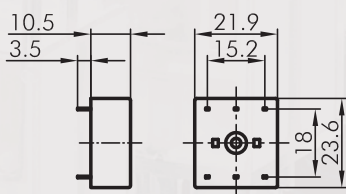
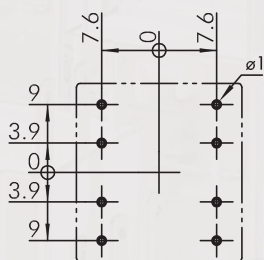
Plug-in Socket
PCB-mount terminals
with 10 pins

XAP10



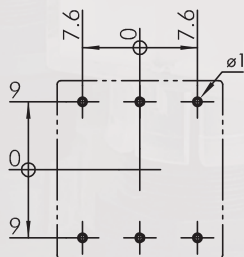
Plug-in Socket
PCB-mount terminals
with 8 pins

XAP8



Plug-in Socket
PCB-mount terminals
with 6 pins

XAP6



About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany

SCHLEGEL
ELEKTROKONTAKT

About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

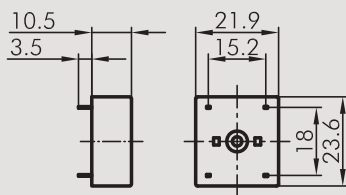
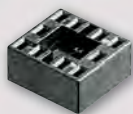
Limit Switches

Type Index

Illustration

Description

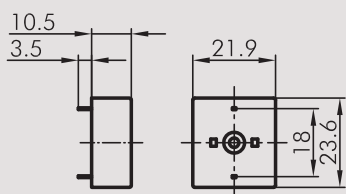
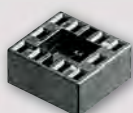
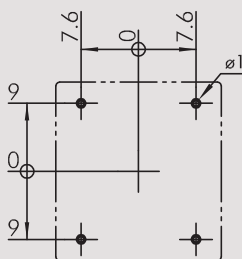
Type



Plug-in Socket

PCB-mount terminals
with 4 pins

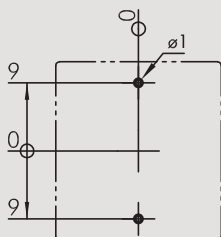
XAP4



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

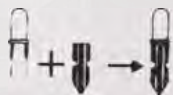
Brightness [mcd]: 2300 650

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



About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index

Illustration

Description

Type



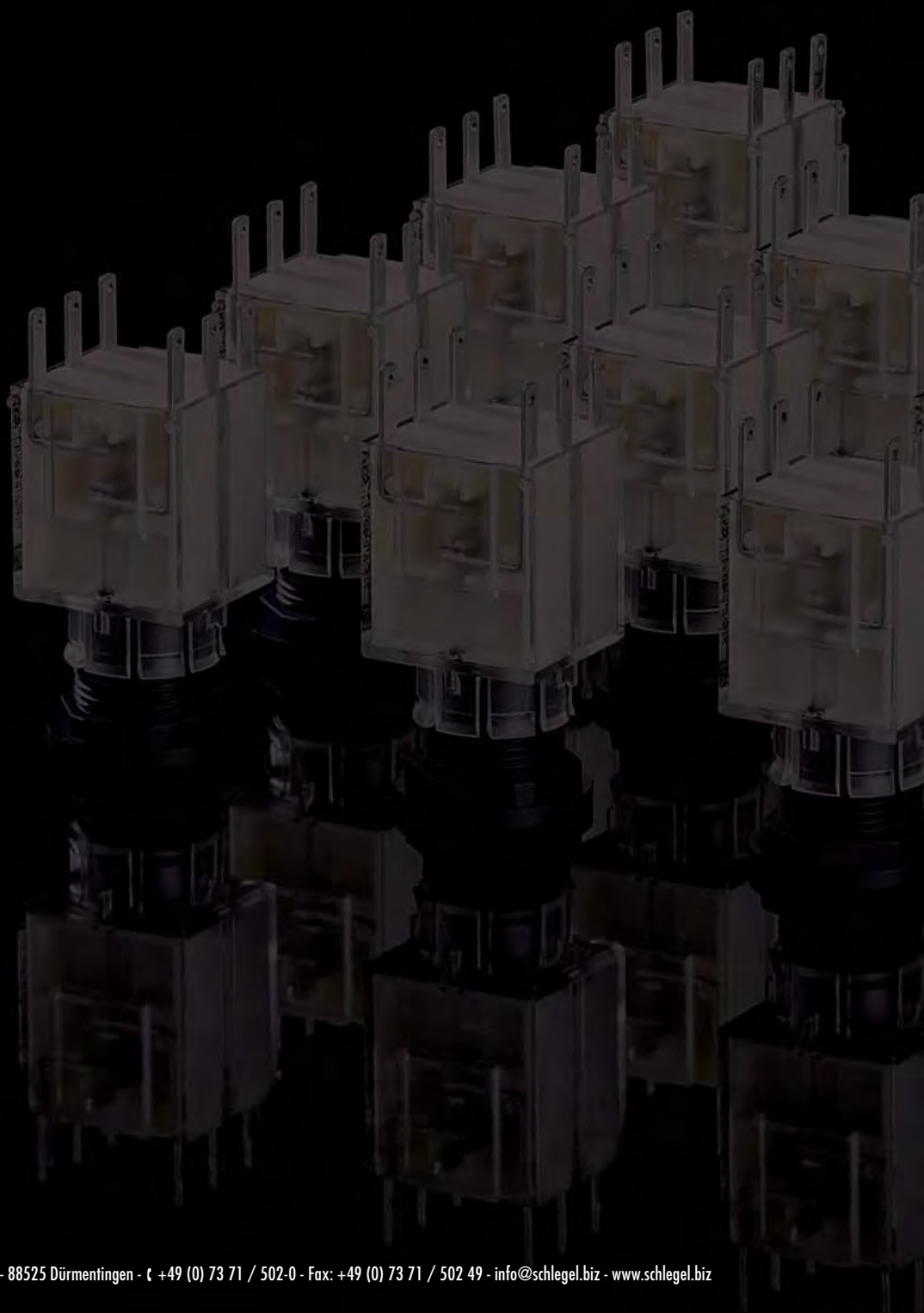
Cable Set with Faston connections VE_VK2,8

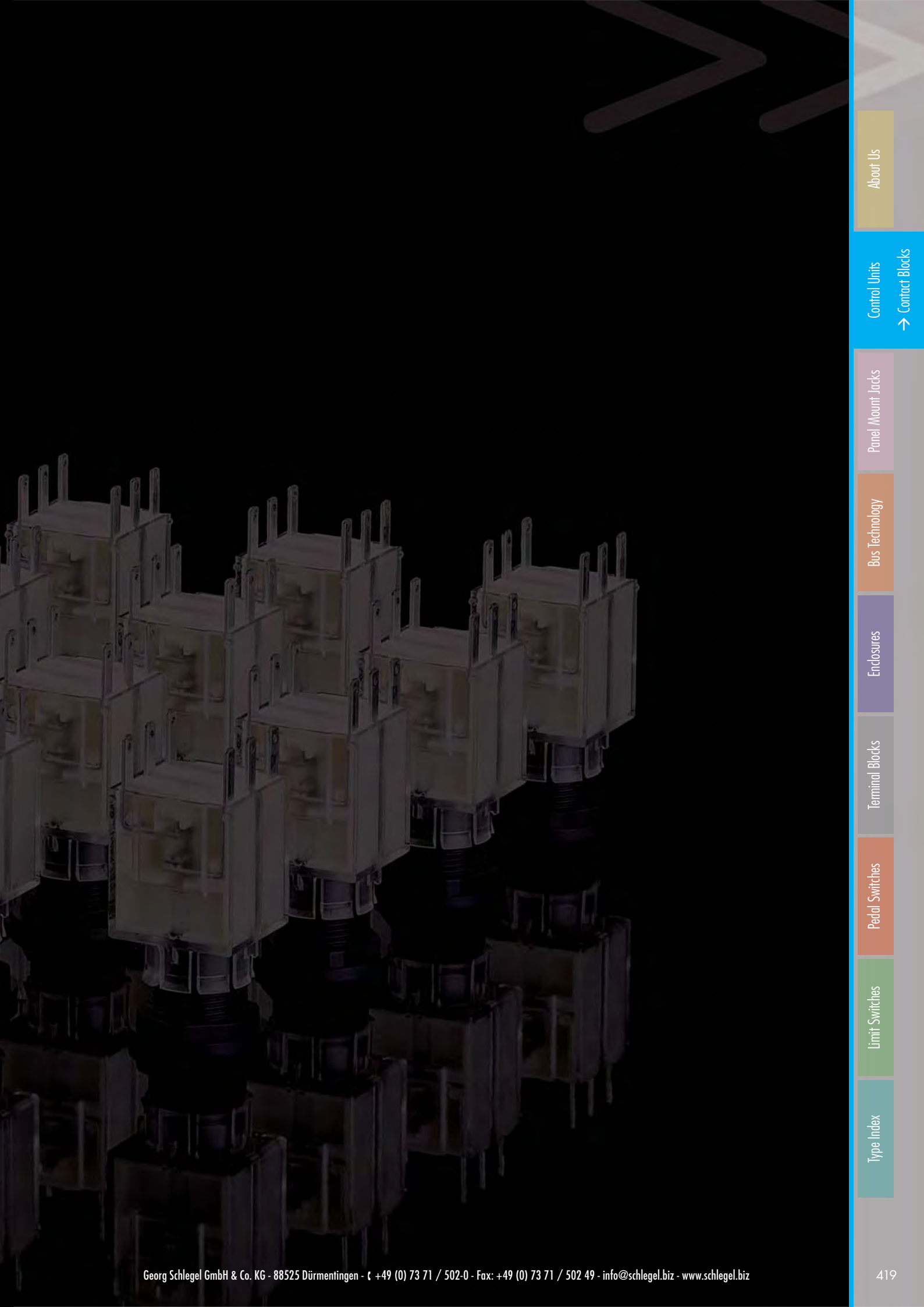
suitable for VE_LED230



Cable Set with wire end ferrules VE_VKAE

suitable for VE_LED230





About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index



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):	1 m operations at rated load
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NO:	< 10ms
Bouncing time NC:	< 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	direct current
Rated insulation voltage Ui:	AC15 A300	DC13 Q300
Rated operating voltage Ue:	250 V	300 V
Rated operating current Ie:	250 V	250V / 125V / 60V / 24V
Breaking capacity:	3A	0.2A / 0.4A / 1A / 2A
Continuous thermal current:	10Ie	1,1Ie
	6 A	

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

Rated voltage 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

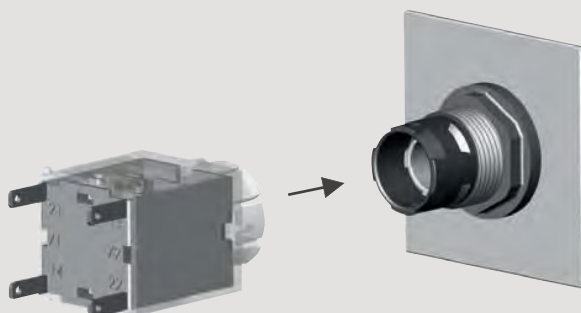
Notice for emergency-stop contact blocks:

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.

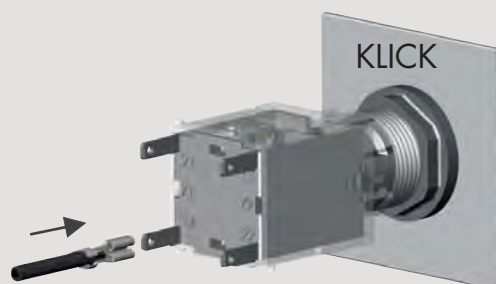
The electrical data acc. to UL/CSA may deviate.

Mounting Instructions

1.



2.



3.

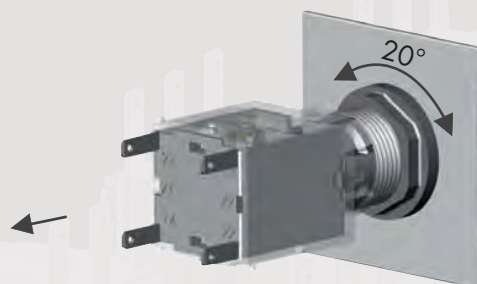
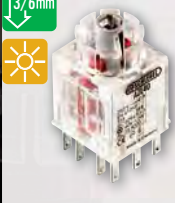


Illustration	Description		Type
 6 mm 32/31 44/43 14/13 0 1 2 3 4 5 6 Druckpunkt 32 44 14 31 43 13	Contact Block, momentary 1NC + 1NO + 1NO early make Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators  contact material AgNi contact material AgNi, gold-plated		AZ011 AZ011_AU
 6 mm 32/31 44/43 14/13 0 1 2 3 4 5 6 Druckpunkt 32 44 14 31 43 13	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 22/21 32/31 0 1 2 3 4 5 6 22 32 21 31	Contact Block, momentary 2NC Faston terminals 2.8x0.8 mm suitable plug-in socket XAP4 suitable actuators  contact material AgNi contact material AgNi, gold-plated		AZ00 AZ00_AU
 3/6 mm 22/21 11/12 41/42 31/32 0 1 2 3 22 11 41 31 21 12 42 32	Contact Block, momentary 4NC Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators  contact material AgNi		AZ40
 3/6 mm 22/21 11/12 41/42 31/32 0 1 2 3 22 11 41 31 21 12 42 32 X1 X2	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		AZL40
 6 mm 22/21 14/13 44/32 0 1 2 3 4 5 6 1.85 3.00 22 14 44 21 13 32	Contact Block, momentary 1NC + 1NO + 1centre contact Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators  contact material AgNi contact material AgNi, gold-plated		AZ111 AZ111_AU
 3/6 mm 23/24 13/14 43/44 33/34 0 1 2 3 23 14 43 33 24 13 44 34	Contact Block, momentary 4NO Faston terminals 2.8x0.8 mm suitable plug-in socket XAP8 suitable actuators  contact material AgNi		AZ41

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany

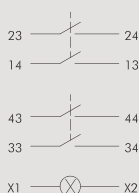
SCHLEGEL
ELEKTROKONTAKT

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

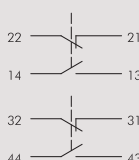
suitable actuators



contact material AgNi

AZL4I

6 mm



Contact Block, momentary 2NC+2NO

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

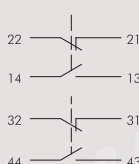
suitable actuators



contact material AgNi

AZ2

3/6mm



Contact Block, momentary 2NC+2NO

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

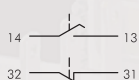
suitable actuators



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



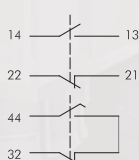
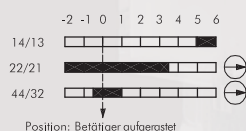
contact material AgNi

AZVN

contact material AgNi, gold-plated

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

AZOSOI

contact material AgNi, gold-plated

AZOSOI_AU

About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

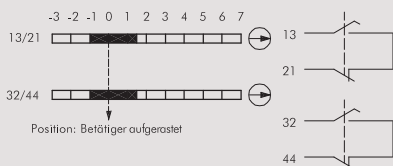
Limit Switches

Type Index

Illustration

Description

Type



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

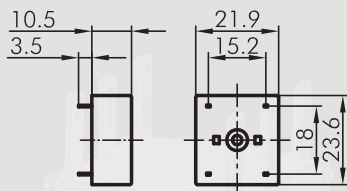


contact material AgNi

AZSOSO

contact material AgNi, gold-plated

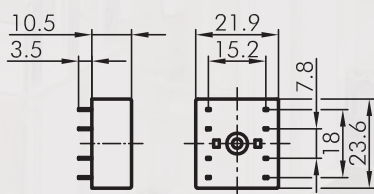
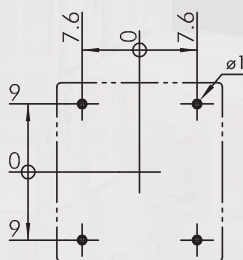
AZSOSO_AU



Plug-in Socket

PCB-mount terminals with 4 pins

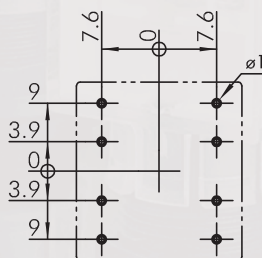
XAP4



Plug-in Socket

PCB-mount terminals with 8 pins

XAP8



About Us

Control Units

→ Contact Blocks

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index

Contact Blocks

Faston terminals 2.8x0.8 mm

made in germany



About Us

Control Units

Panel Mount Jacks

Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

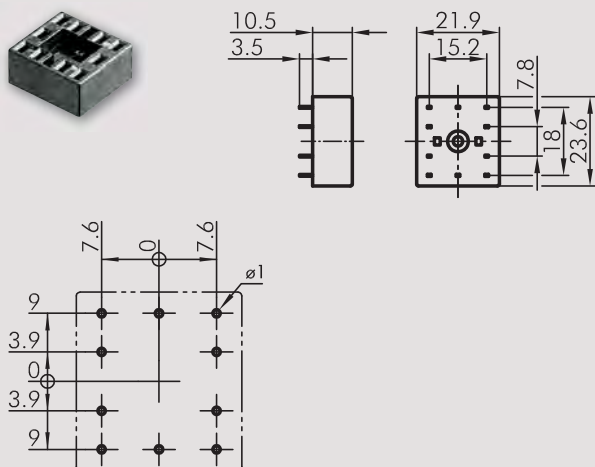
Limit Switches

Type Index

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

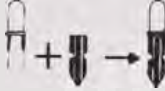
voltage tolerance:

+ 10 %

colour

white

L5,5K24UW

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 %													
	<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>Dominant wavelength: [nm]</td><td>625</td><td>525</td></tr> </table>	Colour:	red	green	Rated current [mA]:	14	13	Brightness [mcd]:	2300	650	Dominant wavelength: [nm]	625	525	
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.	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												