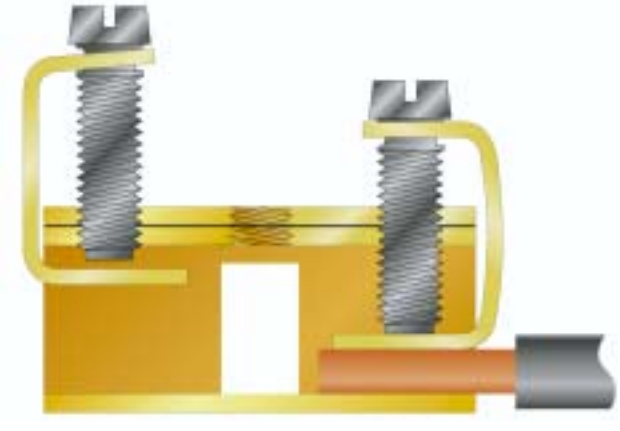
E1100/02

Terminal Blocks

for DIN rails
and railless terminal blocks



This catalogue replaces the previous one no. E1100/99.
Subject to technical modifications in the interest of progress.
Misprints of technical data will not justify any claims.

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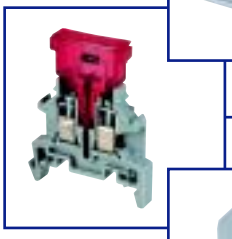

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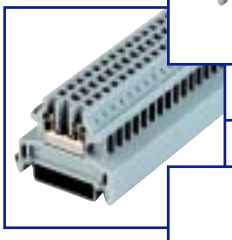

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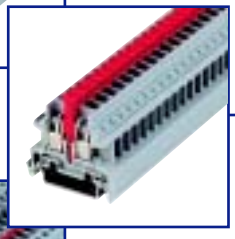

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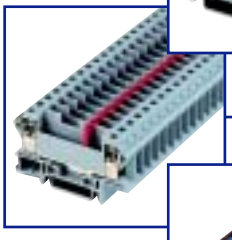

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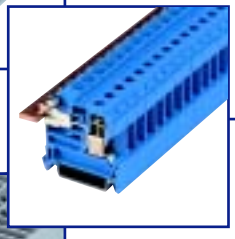

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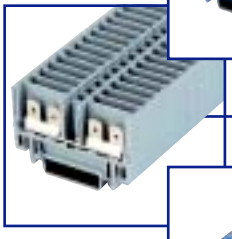

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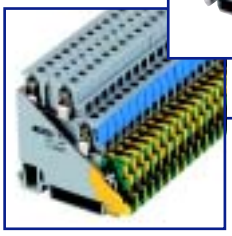

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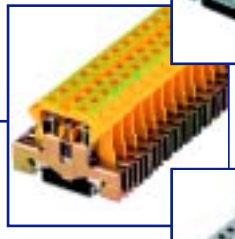
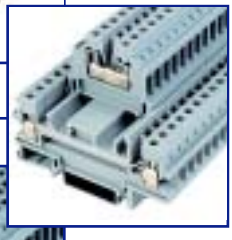
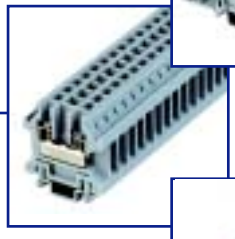
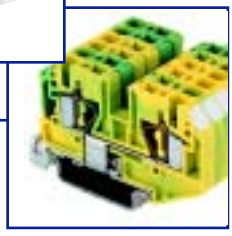








Schlegel terminal blocks a synonym for safety

Only a few years after the foundation of the company in 1945, the first „Schlegel terminal“ was introduced in 1950 which already fulfilled all the prescribed conditions, such as safe operation and functionality.

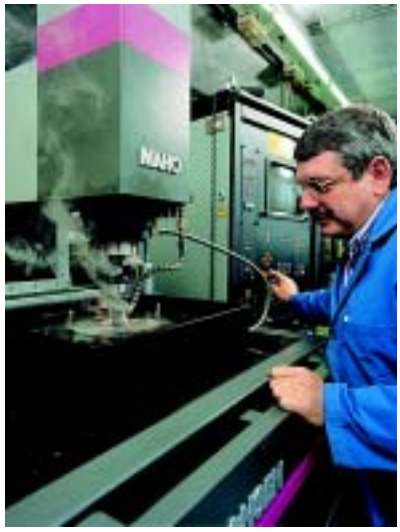
At present many millions of terminals by Schlegel Elektrokontakt are in use worldwide and all share the highest quality features.

The Schlegel quick-assembly terminals are standard terminals for industry, especially for electrical machine control systems, for switch, distribution and measurement units and for elevator and apparatus engineering. The terminals are suitable for high and low voltage as well as for DC and AC. The particular advantages of the terminal blocks are their short assembly times and their small dimensions.

The requirements which our products have to fulfill are increasing, due to the use of more and more complicated machines and devices and the need for easier, more extensive processing.

The variety of fields of application calls for an increasingly large range of products. The ability to offer top quality at all levels of the product ranges depends on an efficient team. The goals we have set ourselves in terms of quality, functionality and technical operating safety were only able to be achieved thanks to decades of experience in development, fabrication and testing. We meet high quality requirements providing a complete documentation according to ISO 9001.

Block of 10pcs. of the “new“ Schlegel terminal from 1950



An important condition for the production of high-quality terminals is precise mould making.

Therefore, we manufacture our fabrication tools ourselves for years thus retaining one of the most important quality criteria.

Schlegel terminal blocks
Quality features

Insulating materials for terminal casings

The casings of our terminal blocks are made of high-quality polyamide. National and international regulations prescribe with utmost precision which characteristics the plastic must have.

The adherence to these regulations is a constituent part of the quality assurance system according to DIN ISO 9001 which our company has introduced. In addition, the relevant authorities must approve the materials. Regular manufacturing controls made by the certification authorities monitor their exclusive application.

Due to the variety of certifications which our terminal blocks have obtained worldwide, only the best material is suitable for the sum of all requirements. Consequently, the approval marks on the terminals ensure the application of raw materials of the highest quality only.

Creepage path and air path

The creepage path is the path between two live parts with different potentials along the insulating material surface.
The air path is the thread dimension between two live parts with different potentials.
Since normally the creepage path must be longer than the air path, the creepage path is lenghtened by means of ribs or chases.
National and international regulations prescribe how long creepage and air paths must be. Their lengths depend on the voltage between the live parts, the degree of soiling and the excess-voltage class.
With regard to the creepage path, the nature of the insulating material is also taken into consideration.
The higher the quality of the insulant, the smaller the creepage distance can be. Since shorter creepage paths allow smaller sizes, high-quality plastics provide advantages with regard to the external dimensions of a product.

Connecting cross section

The rated connecting capacity is indicated on the back wall of the terminal blocks. This is the cross section which the terminal block in single, multiple and fine core design can accommodate. All the data and tests such as electric loading, heating and mechanical safety refer to this. These tests are not only carried out in our firm but are part of the type-tests carried out by the testing bodies in order to obtain national certification. This is documented by the permission to display the marks on the terminal blocks.
The terminal blocks must allow the conductors to be connected without particular preparing. Straightening single and multiple conductors as well as twisting fine-core conductors do not count as special.
Soldering of fine-core conductors is not allowed, because the soldering-tin tends to creep.
When using wire end ferrules, the connectable cross section may be reduced by one level. This and other factors make them unnecessary for SCHLEGEL terminal blocks.

Up to a cross section of 35 mm² the terminal blocks must also be able to clamp the two next smaller cross sections. In the case of SCHLEGEL terminal blocks, the nominal cross sections are graduated in a manner that all the existing cross sections from 0.5 to 240 mm² are fully covered.
It must be stressed that SCHLEGEL terminals up to a nominal cross section of 4 mm² also clamp conductors down to a diameter of 0.2 mm².
In the U.S. and the Anglo-Saxon countries the AWG number is used as a cross section indication. The AWG cross section indication is to be found on the terminal block if it is accordingly certified.

Protection against accidental **contact**

In accordance with VBG 4 (UVV) protection against accidental contact is required for every electrical device. According to the arrangement of the units, this protection must meet with certain requirements , whereby a distinction is made between protection of the fingers and protection of the back of the hands.

Schlegel terminal blocks
Quality features

Safety from finger-touch

This is tested by making an artificial metal finger with movable finger joints. The finger is connected to an indicator lamp and used to test whether parts under voltage can be touched.
Safety from finger-touch is required within a planar circle measuring 60 mm in diameter which is imagined around an "occasionally manipulated" operating element, e.g. the reset button of a motor protective relay, the setting button of a time-delay relay, a fuse, etc.

Safety from touch by the back of the hand

This is required within a planar circle measuring 100 mm in diameter around operating elements as described above. Safety is tested with a ball measuring 50 mm in diameter in place of the test finger. When carrying out both tests, it should be noted that the test finger is not permitted to grip the entire periphery of a cover. It is therefore sufficient to use a cover which only prevents contact from the front.

Metal parts

The metal parts of the quick-assembly terminals are made of a high-strength copper alloy ideally suited for electrical connections. They are nickel electroplated, and in some cases also tin-plated, in order to guarantee a high resistance to corrosion.

Types of connection
Screwed connections

One of the most important elements of screw-type terminal blocks are the screws, the quality of which largely dictates the quality of the terminal connections. The screws must not break off, must be able to withstand strong torques above the specified ratings, and must not fuse with the metal of the main thread even under the highest stress. For this reason, rolled steel screws with a good galvanic surface coating made from passivated zinc are used for SCHLEGEL terminal blocks.

In rolled screws, the structure of the material is compressed and strengthened, whereas in turned screws the fibres are cut off in the vicinity of the screw thread. Because of this, and because of the stress concentration on the neck of the screw, turned screws are considerably weaker, especially if they are made of brass.

Structure of a turned screw

Structure of a rolled screw

Thanks to the combination of steel screws and main threads made of copper alloy or steel, an unintentional fusion of brass with brass is successfully avoided with SCHLEGEL terminal blocks.

Contact system

The **contact system** of SCHLEGEL terminal blocks with high-elastic contact brackets guarantees reliability in the following six ways:

1. *Reliable wire insertion*
2. *Reliable prevention of screw loosening*
3. *Reliable contacting due to high elasticity*
4. *Reliable wire protection*
5. *Reliability thanks to closed system of forces*
6. *Reliability thanks to high connection torque*

Flat-plug connections

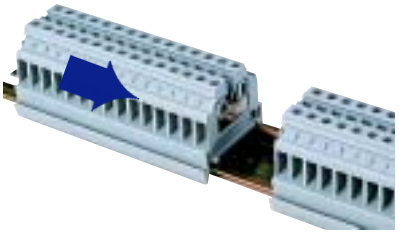
Terminals with flat-plug connections are suitable for flat-plug sockets complying with the German Standard DIN 46247.

Soldering connections

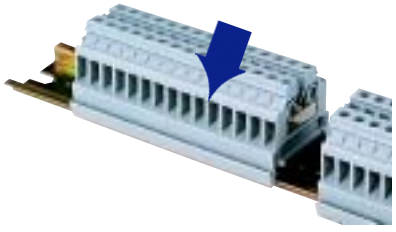
Tin electroplating on a nickel diffusion barrier layer ensures excellent soldering characteristics.

Assembly

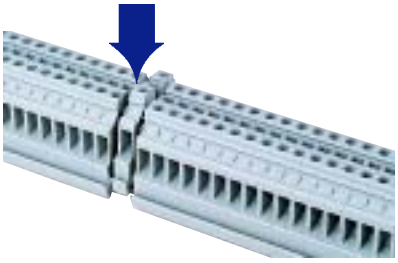
The SCHLEGEL quick-assembly terminals have the advantage of extremely short assembly times thanks to their interlocking insulating bodies. They can be mounted on standard support rails according to EN 50 022 in the following ways:



1.By pushing the pre-assembled blocks onto the rail



2. By snapping the pre-assembled blocks onto the rail.
Important: once snapped onto the rail, the feet of the terminals are relieved from stress, so that the plastic cannot fatigue

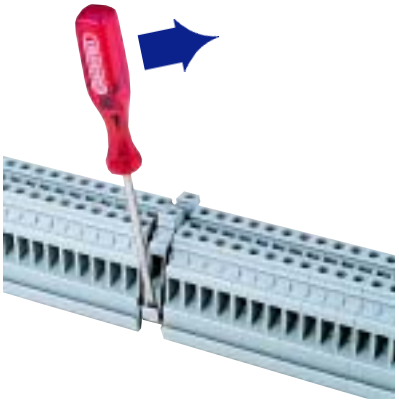


3.By snapping or pushing individual terminals onto the rail

As shown in the illustration, individual terminals can be easily exchanged by shifting the adjacent terminals slightly (approx. 3 mm).

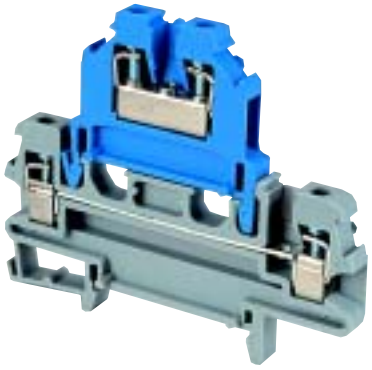
Changing individual terminals

First free the respective terminal by pushing the adjacent terminals away slightly (approx. 3 mm), then lever it out gently by applying a screwdriver to the terminal foot.



Schlegel terminals for special functions

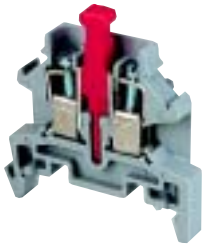
Pickaback terminals



Pickaback terminals

If there is not enough space on the mounting rail for the required terminals, it is possible to place the standard Fix-block terminals on the upper level and mount the SCHLEGEL pickaback terminals below. This two-storey arrangement allows twice the number of terminals to be accommodated on the same length of rail. The pickaback terminals are bridgeable through-terminals for 4 mm². The upper level can be used to mount all Fixblock terminals up to 16 mm², including special terminals.

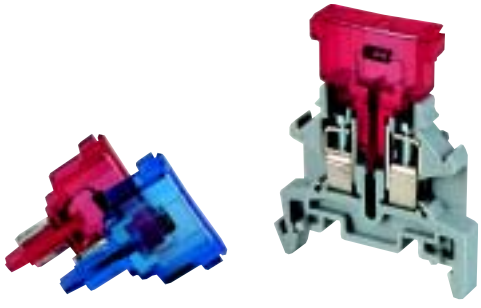
Separator terminals



Plug contact in closed position
Separator terminal

Separator terminals serve to disconnect or break current or voltage circuits without removing the conductor from the terminals. This is achieved by removing the disconnecting plug TS.
This is a captive plug which can be loaded up to 16 amps and snaps into both positions.
The separator terminals can be used universally by selecting the appropriate plug.

Separator terminal diode **plugs**

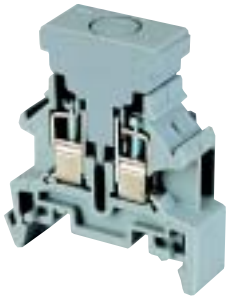


Separator terminal with DS diode plugs indicating different forward directions

By using DS type diode plugs, it is possible to control the direction of the current. The diode plugs are easily exchangeable and the forward direction is instantly recognizable from the colour-coding of the plugs. The diode plugs are designed to prevent incorrect insertion.

Separator terminals are available in red and blue to allow instant recognition of the assignment of red and blue diode plugs to the terminals.

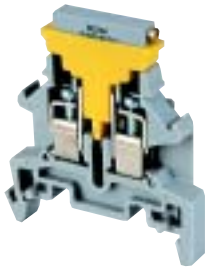
Separator terminals + quenching diode plug



Separator terminal with DSL quenching diode plug

With the quenching diode plug, two adjacent terminals are connected by a diode which is thus positioned in the blocked direction parallel to the inductive load and prevents excess voltage when switching off.

Separator terminals + adjustable resistance plug



Separator terminal with WS 20 adjustable resistor

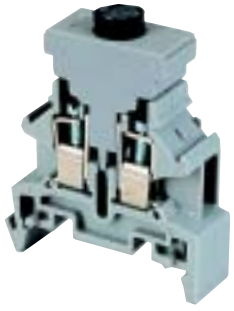
With the WS20 type adjustable resistance plug, the measuring cables of resistance-dependent precision instruments can be tuned to a fixed resistance value.
These plugs are equipped with finely adjustable Cermet variable resistors and can be steplessly regulated to all values between 0 and 20 ohms.

Temperature coefficient of resistance =

$$\frac{\pm 2.5 \times 10^{-4}}{1K}$$

Maximum load 100 mA.

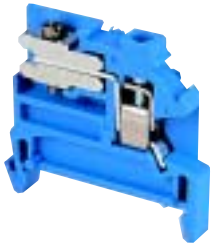
Separator terminals + bridge rectifier plug



Separator terminal with BGS bridge rectifier plug up to 250 Volt / 1A

With the aid of the BGS type bridge rectifier plug, it is possible to feed an AC voltage on one side of two terminals and tap a DC voltage on the other.

Neutral wire separator terminals



Neutral wire separator terminal

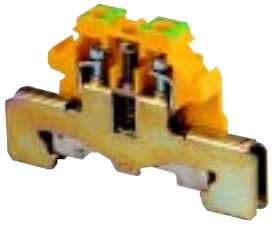
Neutral wire separator terminals are prescribed by the VDE specifications for the installation and operation of power plants in public places (VDE 0108), according to which an insulating test must be possible for every circuit without disconnecting the neutral wire from the individual terminals.
These requirements are easily and quickly fulfilled by SCHLEGEL neutral wire separator terminals.

Fuse terminals

Fuse terminal

When fitted with fuses, the fuse terminals facilitate the protection of conductors with currents of up to approx. 250 V / 10 A or 24 V / 30 A.
SCHLEGEL fuse terminals are equipped with G-safety cartridges measuring 5 x 20 mm. In the IKSI4 type, a time-saving bayonet connector is used as a fuseholder, whereas a plug-in insulated handle is used for the particularly narrow IKSI5 type fuse terminal.
A further variation is the fuse terminal IKFSI5 for automotive fuse-links up to 48 V / 30 A.

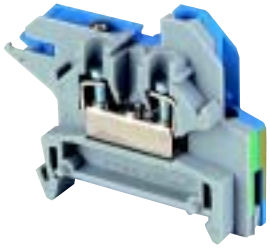
Earth terminals



Earth terminals

The earth terminals with the 3-fold safety function are instantly recognizable from their green/yellow insulating bodies and can be mounted between any other terminals on the support rail, which thus serves as a PE busbar.
The earth terminals can be snapped onto the support rail from above. The catch is closed by tightening the middle screw, thus ensuring the first connection with the rail = first safety function.
By adding a conductor, the terminal is automatically provided wiht an additional connection to the rail = second safety function.
By adding the second conductor, the terminal is provided with a further connection to the rail = third safety function.

PE/N combined three-wire terminals



PE/N combined three-wire terminals

PE/N-combined three-wire terminals for distribution systems serve to provide as many outlets as possible within a confined space for one to three-phase consumers. the terminals are equipped with all the necessary features for single-phase consumers, i.e.

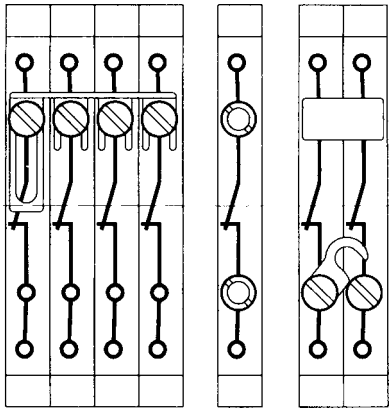
1 screw connection for the PE conductor
1 screw connection with disconnecting device for the neutral wire and
1 through-terminal with two screw connections for the phase conductor

If more than one phase conductor is required in the case of polyphase consumers, it is possible to obtain the necessary number of phase conductor leadthroughs by adding standard through-terminals, e.g. IK5.

PE/N combined two-wire terminals

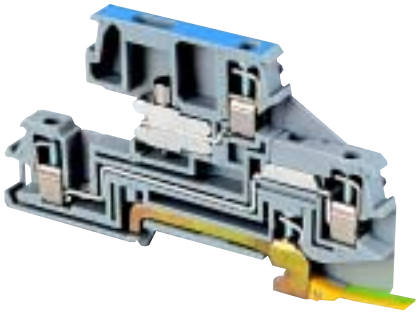
PE/N combined two-wire terminals have the same design as the above described combined three-wire terminals, but without through-terminal for the phase conductor, for cases where fuse terminals, e.g. IKSI4 or IKSI5, are used instead of phase conductor terminals.

Universal separator terminal IKT10



The universal separator terminal IKT10 allows a wide range of wiring configurations, being equipped with various accessories for additional disconnecting and switching functions besides the standard separating switch. For example, 4 mm STB4L type test sockets can be screwed into both sides of the separating switch in order to connect measuring instruments with the test plug PST4. Also, cross-connections can be made at these test-socket using a VST10 type connecting plug. A further cross-connection between two adjacent universal separator terminals is possible using the switchable VBL10 type connecting link.
For special applications, a VBT 10-4 type switchable four-fold cross-connecting link is available which, when fixed non-distributively, allows the connection between four adjacent universal separator terminals to be disconnected simultaneously.

Three-storey wiring terminals for 4 mm²



Three-storey wiring terminal

In large installations, these terminals allow the phase, neutral and earthing wire of any one circuit to be accommodated compactly in a terminal only 6 mm wide.

Three-storey wiring terminals are available in 6 different versions, each with the same shape and size. The differences lie in the various combinations of

- *earth wire terminal on mounting rail*
- *phase through-terminal and three different types of netural wire sockets with isolator on busbar*
- *with or without isolator as through-terminal*

Also available for polyphase systems are single and double-pole through-terminals for phase conductors only, which may be combined with earth wire terminals on the mounting rail.

The individual function ranges of the terminals are indicated by colour-coding, whereby phase through-terminals are grey, neutral wire terminals blue and earth wire terminals yellow / green.

This colour-coding, plus the fact that each connection and separation point can be labelled with an identification tag, makes the entire system very straightforward, even when installed. All terminals have provision for cross-connection.

Railless terminal blocks

Railless terminal blocks view from below

There are many reasons for using terminal blocks without rails. Above all, there is no need for assembly aids such as rails, partitions, end sections and end clamp brackets, thus reducing costs and stock-keeping requirements. Our terminals are recommended when limited space is available, or if further terminals are to be added subsequently to a block. Railless SCHLEGEL terminal blocks are available in two versions, one for 0.5 - 4 mm² and for 0.5 - 16 mm². Since the individual terminals lock securely into one another, all that is needed to hold them in place is a single screw after every 10th or 15th terminal.

Initiator terminals

Initiator terminals serve to group all the connections required for wiring an initiator, e.g. a proximity switch, inside a terminal housing. The power supply connections (+ and –) can be linked by means of 12-pole connecting bars. The third connection serves to transmit the switching impulses.

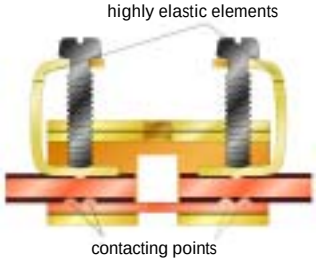
Actuator terminals

Actuator terminals serve to group all the connections required for wiring an actuator, e.g. a solenoid valve, inside a terminal housing. These generally comprise two connections for the actuator, while a further connection is linked to the support rail and serves to connect a shield, earthing system or frame terminal.

Screw terminals with insulation displacement system

Screw terminal with insulation displacement system

- no cable stripping
- no wire end ferrules
- no special tool required



Connect the wire without stripping the cable (patent applied). No risk of rupturing the wire by notching as being kept stationary before and after the contacting points. Suitable for conductor sizes 1.5 - 4mm² (solid and stranded conductors). Same handling like on a screw terminal.

Tested acc. to: VDE 0611 sect. 3 (EN 60947-7-2) and VDE 0613 sect. 2-3 (EN 60998-2-3).

ACCESSORIES

Mounting rails
For arranging and fixing terminals, we supply 35 mm top-hat rails according to **DIN EN 50 022**

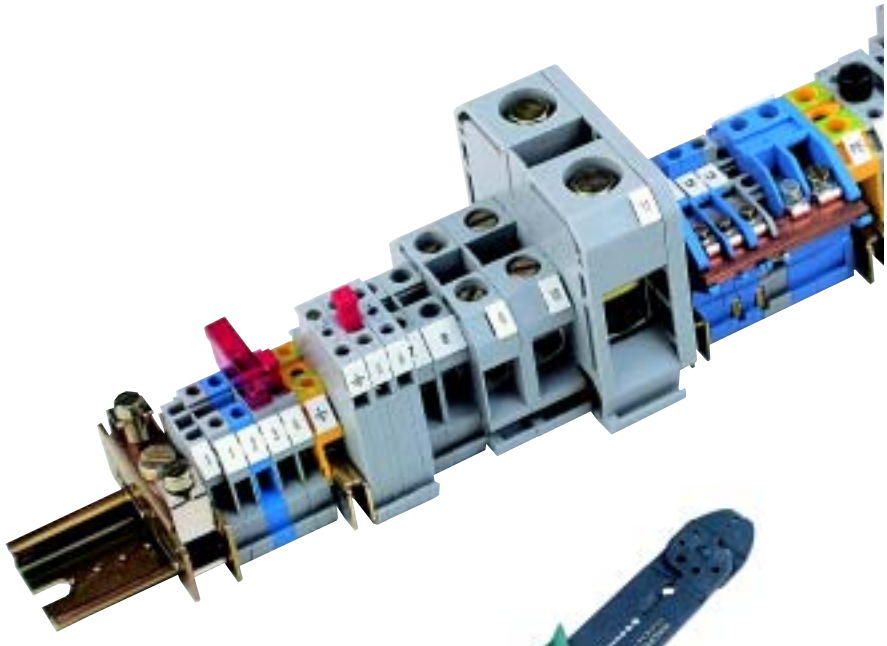
The rails are rolled from sheet steel, galvanised and yellow-passivated, thus providing the best possible protection against corrosion.

Connecting links
Two different types of connecting links are available for connecting adjacent and non-adjacent terminals.

1. For adjacent terminals:
Two-fold and 12-fold connecting links made of nickel electroplated, high-strength copper alloy which can be separated as required and are equipped with captive screws.

2. For non-adjacent terminals:
VS connectors which are screwed into the bores provided for cross-connections. The connectors, which are also made of nickel electroplated brass, protrude above the terminals and can be connected with a copper wire.
When using insulated copper wires, the protruding connectors can be covered with **VSK** insulating caps.

STB plug sockets
PST test plugs
Plug sockets are available with the appropriate test plugs for carrying out measurements on the terminal blocks.

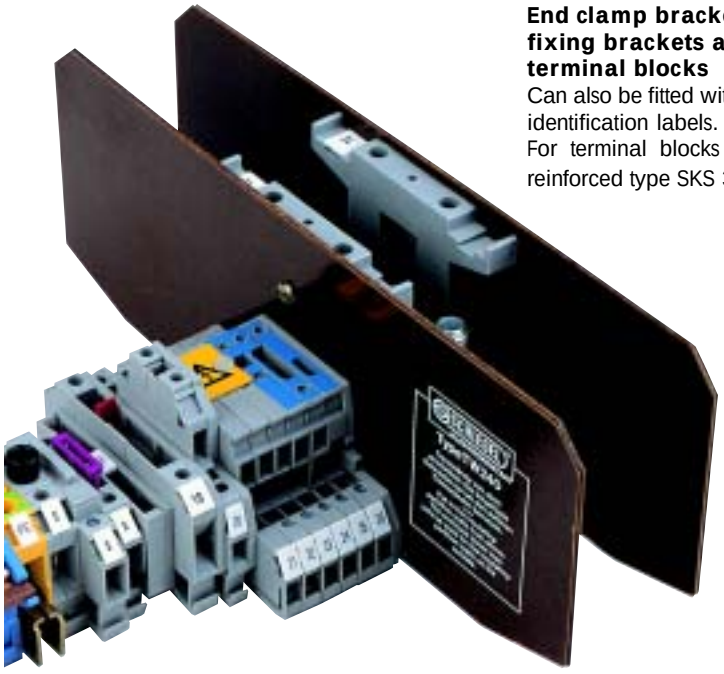


KAW safety covers
These are necessary in all switchgears equipped with supply conductor terminals which cannot be disconnected. These main supply conductor terminal blocks must have an insulating covering designated according to VBG 125, so that anyone testing or handling the switchgear knows that these terminals remain under voltage when the main switch is off.
These warning labels are supplied with the prescribed safety symbol and the corresponding plastic screws. The safety covers can only be removed using a tool.

QZ pinching and stripping piers
For pressing the flat-plug sockets onto flexible wires up to 2.5 mm².
The pliers are also equipped with a facility for cutting M2 to M5 screws without damaging the thread and for stripping wires from 0.75 to 6 mm², as well as a cable cutter.

End clamp brackets used as a fixing brackets at the end of terminal blocks
Can also be fitted with the GS type group identification labels.
For terminal blocks from 50 mm², the reinforced type SKS 35 is recommended.

Insulating partitions
For separating different current and voltage circuits or different terminal groups, insulating partitions are available which protrude horizontally and vertically past the terminals.
To simplify stock-keeping, the end sections of each terminal size are designed in such a way that they can be used as partitions for the next smallest terminal size.



Screwdrivers
Totally insulated according to VDE regulation 0680 sect. 2.
Functional handle made of extremely tough, impact-resistant plastic, suitable for SCHLEGEL terminal block screws.

3.5 x 0.6 for 2.5 and 4 mm² terminals
SD3

4.0 x 0.8 for 6 and 10 mm² terminals
SD4

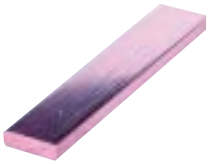
5.5 x 1.0 for 16 mm² terminals
SD6

8.0 x 1.2 for terminals from 25 mm² upwards
SD8

ABZ pliers
For quick and easy removal of the thin barrier on the back wall of the terminals in order to insert connecting links.

Identification labels
Our comprehensive Quick-Tip labelling system for all requirements ensures clear arrangement and installation of our quick-assembly terminals (see also page 44).

ACCESSORIES



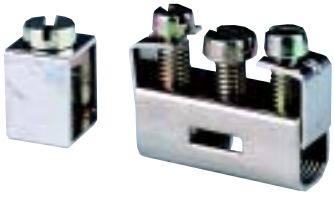
Neutral busbar, S 10x3
10x3 mm, brass, 1m long

Connecting straps - VL
nickel electroplated, with 2 holes, to connect adjacent jumpers

Supports - VBU35
to be used under the connecting straps VL, incl. M6x1 screws.

Removable jumpers - VBL 16
to connect adjacent terminals

Connecting clamps - VS
for arbitrary connection of non-adjacent terminals. They are connected with a copper wire.



Connecting clamps for 4-25 mm² and 4- 35 mm², SA25, SA35
for the supply line to the neutral busbar

Safety covers - VSK
for the touch-safe cover of the connecting clamps VS.

Diode plugs, blue - DSBL
with 400 Volt 1A diode - cathode on the high rail side - the diode plugs are designed to prevent incorrect insertion.

Diode plugs, red - DSRT
with 400 Volt 1A diode - cathode on the low rail side - the diode plugs are designed to prevent incorrect insertion.

Resistance plugs - WS20
with fine adjustable Cermet variable resistance 20 Ohm.

Quenching diode plugs, grey DSL
with 400 Volt 1A diode, the diode plugs are designed to prevent incorrect insertion.

Bridge rectifier plugs - BGS
with Si-rectifier B 250 C 1000

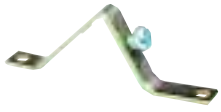
Disconnecting plug with Optocoupler and Triac for 5, 12 and 24 Volt - OKSW
allows the contactless connection of AC circuits to programmable controllers, TTL-compatible, with LED display.

Connecting plug - VST
to connect two adjacent terminals.
(only for the types IKTSP4 and IKT10)

Fuseholders - SH20, SH25
for G-cartridge fuses 5x20
for G-cartridge fuses 5x25

G-cartridge fuses 5x20
without fuse failure indicator, 250 Volt, DIN 41571, semi time-lag 0.2; 0.5; 0.8; 1.6; 2.0; 4.0; 6.3 A.
Please indicate intensity of current when ordering, e.g. for 0.5 A = SP 20/0.5.

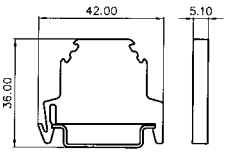
G-cartridge fuses 5x25
only upon request

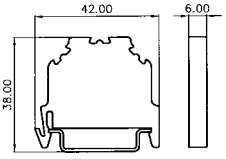


Angled bracket - WT
for fixing the support rails at an angle of 45° or 60° to the switch panel. Thus, they are more easily accessible, e.g. for wiring purposes.

QUICK-ASSEMBLY TERMINAL BLOCKS

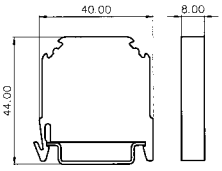
Fixblock Series



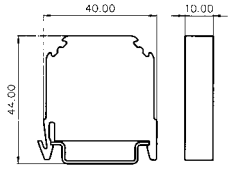


Type	light-grey **IK3** / blue **IK3BL**	light-grey **IK5** / blue **IK5BL**
Terminal thickness	5 mm	6 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	2 screw connections and 1 tapped hole for jumpers	2 screw connections and 1 tapped hole for jumpers
Conductor sizes	0.5 up to 4 mm² (solid)	0.5 up to 6 mm² (solid)
Rated cross section	2.5 mm²	4 mm²
Voltage	750 V ~ / 800 V = acc. to VDE 0611	750 V ~ / 800 V = acc. to VDE 0611
Current rating acc. to VDE 0611 / UL / CSA	26 A / 26 A	34 A / 34 A
Tightening torque VDE 0611 / UL486E	0.4Nm / 0.6Nm ≡ 5 lbin	0.5Nm / 1.5Nm ≡ 13.3 lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Accessories		
Top hat rail 35 x 7.5 mm	**N35–2,** 2m long **N35L–2,** punched	**N35–2,** 2m long **N35L–2,** punched
Jumper	**VB2–2,** 2 poles **VB2–12,** 12 poles	**VB4–2,** 2 poles **VB4–12,** 12 poles
Connecting strap	**VL2–2,** 2 poles	**VL4–2,** 2 poles
Support		
Removable jumper		
Connecting clamp		**VS4**
Insulating cap		**VSK4**
Test socket		**STB2**
Test plug		**PST2**
Insulating end section	**IW2**	**IW4**
Insulating partition	**IW4** **ITW4,** large-sized	**IW16**
Safety cover	**KAW2,** over 4 terminals over more than 4 terminals on request	**KAW4,** over 4 terminals over more than 4 terminals on request
End clamp bracket reinforced version	**SK35** **SKS35**	**SK35** **SKS35**
Identification labels, strips of ten	**HSK50B**	**HSK60B**

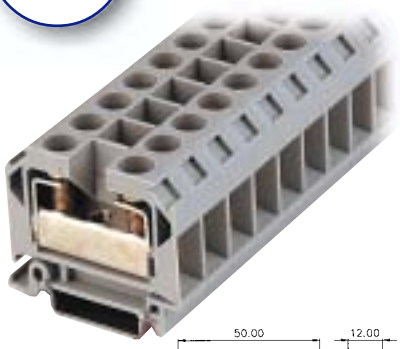
10 mm²

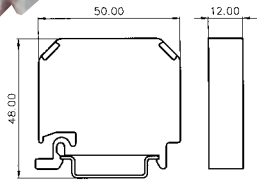


16 mm²



25 mm²



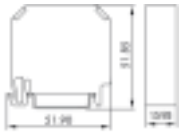


light-grey **IK10** blue **IK10BL**	light-grey **IK16** blue **IK16BL**	light-grey **IK25** blue **IK25BL**
8 mm	10 mm	12 mm
Top hat rail N 35	Top hat rail N 35	Top hat rail N 35
2 screw connections and 1 tapped hole for jumpers	2 screw connections and 1 tapped hole for jumpers	2 screw connections and 1 tapped hole for jumpers
0.5 up to10 mm²	0.5 up to 16 mm²	0.5 up to 25 mm²
10 mm²	16 mm²	25 mm²
750 V ~/800 V = acc. to VDE 0611	750 V ~/800 V = acc. to VDE 0611	750 V ~/800 V = acc. to VDE 0611
61 A / 50A	82 A / 68 A	108 A / 70 A
0.8Nm / 1.5Nm≡ 13.3 lbin	1.2Nm / 2.03Nm≡ 18 lbin	2.5Nm / 6.0Nm ≡ 53 lbin
Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
N35–2, 2m long **N35L–2,** punched	**N35–2,** 2m long **N35L–2,** punched	**N35–2,** 2m long **N35L–2,** punched
VB6–2, 2 poles **VB6–12,** 12 poles	**VB16–2,** 2 poles **VB16–12,** 12 poles	**VB25,** 2 poles
VL6–2, 2 poles	**VL16–2,** 2 poles	**VL25,** 2 poles **VL25-3**, 3 poles
		VBU35 for use under VL25..., with screw
	VBL 16	
	VS16	
	VSK16	
STB2	**STB16**	**STB35**
PST2	**PST4**	**PST4**
IW16	**IW16**	**IW50**
IW50	**IW50**	**IW70**
KAW10, over 4 terminals over more than 4 terminals on request	**KAW16,** over 4 terminals over more than 4 terminals on request	**KAW25,** over 4 terminals over more than 4 terminals on request
SK35 **SKS35**	**SK35** **SKS35**	**SK35** **SKS35**
HSK80B	**HSK100B**	**HSK60B**

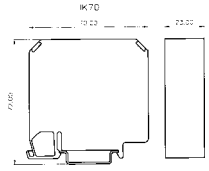
QUICK-ASSEMBLY TERMINAL BLOCKS

Fixblock Series

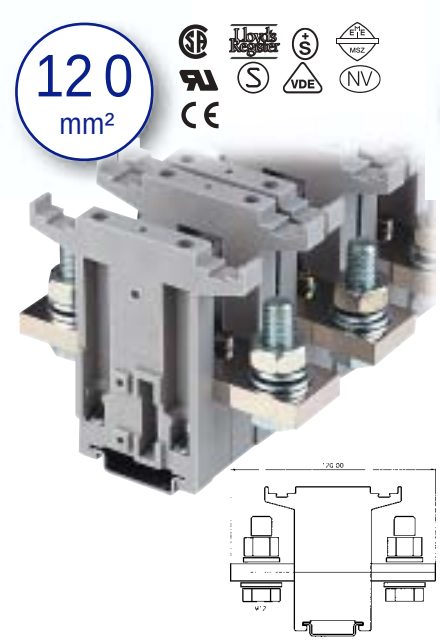
50 mm²

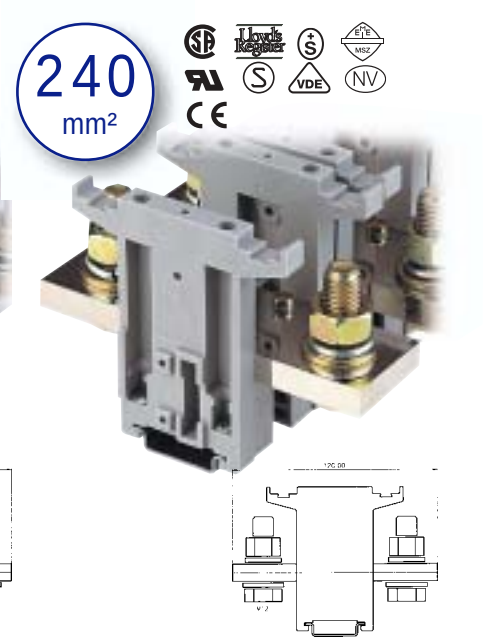


70 mm²



Type	light-grey **IK51** blue **IK51BL**	light-grey **IK70**
Terminal thickness	16 mm	23 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	2 screw connections with hexagonal socket screws and 1 tapped hole for jumpers	2 screw connections and 1 tapped hole for jumpers
Conductor sizes	16 up to 50 mm²	25 up to 70 mm² (multiple wire)
Rated cross section	50 mm²	70 mm²
Voltage	750 V = acc.to IEC 947-7-1	750 V ~/800 V = acc. to VDE 0611
Current rating acc. to VDE061/UL/CSA	150 A	207 A /200A
Tightening torque VDE 0611 / UL486E	5,6Nm/5.6 ≡ 50 lbin	6.0Nm / 13.9Nm ≡ 123 lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Accessories		
Top hat rail 35 x 7.5 mm	**N35–2,** 2m long **N35L–2,** punched	**N35–2,** 2m long
Jumper	**VB35,** 2 poles	**VB70,** 2 poles
Connecting strap	**VL35,** 2 poles **VL35-3,** 3 poles	**VL70,** 2 poles **VL70-3,** 3 poles
Support	**VBU35**	**VBU35**
Test socket	**STB 35**	**STB 35**
Test plug	**PST4**	**PST4**
Insulating end section	**IW50**	**IW70**
Insulating partition	**IW70**	
Safety cover	**KAW35,** over 4 terminals over more than 4 terminals on request	**KAW70,** over 4 terminals over more than 4 terminals on request
End clamp bracket reinforced version	**SK35** **SKS35**	**SK35** **SKS35**
Identification labels, strips of ten	**HSK60B**	**HSK50B** **HSK60B**



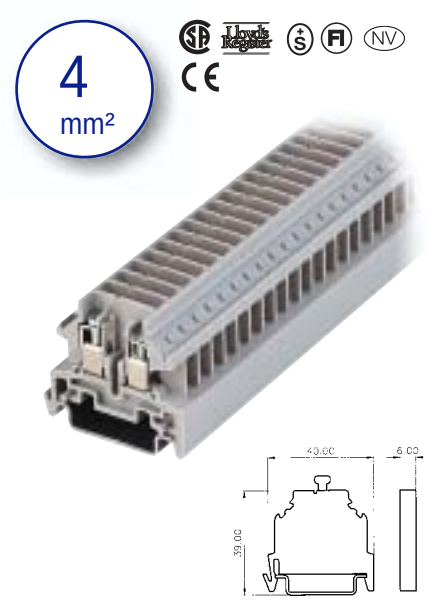


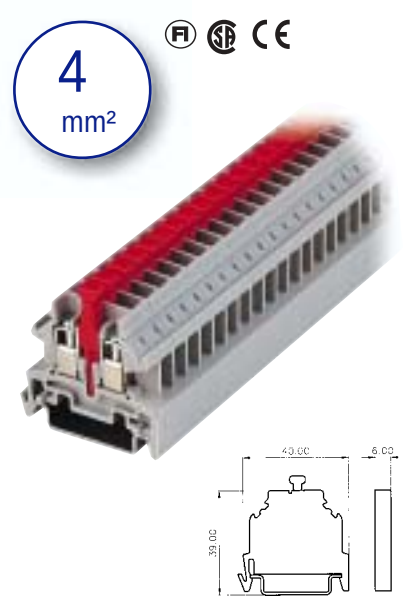
light-grey **IK120**	light-grey **IK240**
47 ±1 mm	57 ±1 mm
Top hat rail N 35	Top hat rail N 35
2 screw flat connections	2 screw flat connections
busbars or cable sockets	busbars or cable sockets
120 mm²	240 mm²
750 V ~ / 800 V = acc. to VDE 0611	750 V ~ / 800 V = acc. to VDE 0611
292 A / 280 A	453 A / 380 A
10Nm / 40.7Nm ≡ 360 lbin	14Nm / 54Nm ≡ 480 lbin
Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
N35–2, 2m long	**N35–2,** 2m long
TW240	**TW240**
KAW120**	**KAW240****
***)	***)
***)	***)
HSK100B	**HSK100B**

*) no end clamp bracket required as integrated in the terminal block
**) covers one single terminal

SEPARATOR TERMINALS

Fixblock Series





Type		
	light-grey **IKT4** red **IKT4RT** blue **IKT4BL**	light-grey **IKTS4**
Description	Separator terminal without disconnecting plug	Separator terminal + disconnecting plug (captive)
Terminal thickness	6 mm	6 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	2 screw connections	2 screw connections
Conductor sizes	0.5 up to 6 mm² (solid)	0.5 up to 6 mm² (solid)
Rated cross section	4 mm²	4 mm²
Voltage	500 V ~/600 V = acc. to VDE 0611	500 V ~/600 V = acc. to VDE 0611
Current rating acc. to VDE0611/UL/CSA	16 A/16A	16 A/16A
Tightening torque VDE 0611/UL486E	0,5Nm / 13.3lbin ≡ 1,5Nm	0.5Nm / 13.3lbin ≡ 1.5Nm
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics

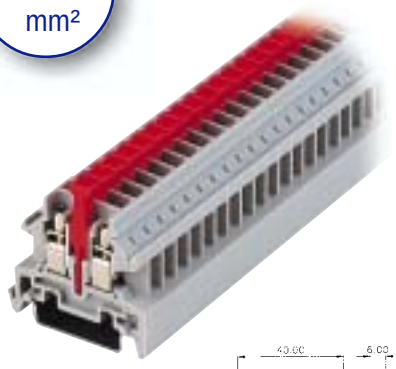
Accessories		
Disconnecting plug	**TS4**	**incl.**
Diode plug, blue, with 400V/1A diode	**DSBL**	
Diode plug, red, with 400V/1A diode	**DSRT**	
Resistance plug with fine adjustable Cermet variable resistance 20 Ohms	**WS20**	
Quenching diode plug, grey, with 400V/1A diode	**DSL**	
Bridge rectifier plug with Si-rectifier B 250 C 1000	**BGS**	
Disconnecting plug w. Optocoupler and Triac for 5V for 12 V for 24 V	 **OKSW-5** **OKSW-12** **OKSW-24**	
Connecting plug to connect two adjacent terminals		
Top hat rail 35 x 7.5 mm	**N35–2,** 2m long	**N35–2,** 2m long
Insulating end section	**IW4**	**IW4**
End clamp bracket	**SK35**	**SK35**
Identification labels, strips of ten	**HSK60B**	**HSK60B**

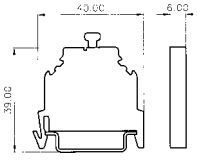
UNIVERSAL SEPARATOR TERMINALS

for additional disconnecting and switching functions besides the standard separating switch

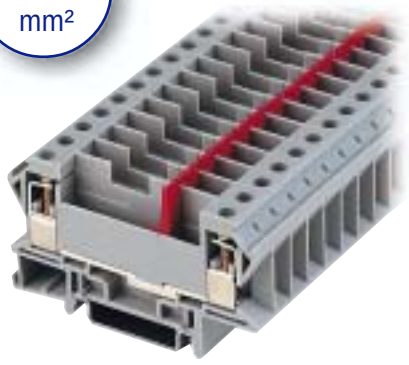
Fixblock Series

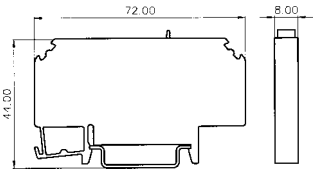
4 mm²





10 mm²





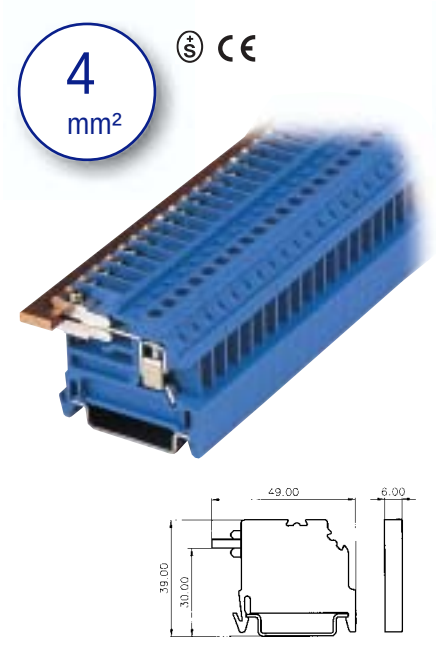
Type	light-grey **IKTSP4**	light-grey **IKT10**
	Separator terminal + disconnect. plug (captive) w.2 test sockets for 2.3 mm Ø	
Terminal thickness	6 mm	8 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	2 screw connections	2 screw connections
Conductor sizes	0.5 up to 6 mm² (solid)	0.5 up to 10 mm²
Rated cross section	4 mm²	10 mm²
Voltage	500 V ~/600 V = acc. to VDE 0611	500 V ~/600 V = acc. to VDE 0611
Current rating acc. to VDE0611/UL/CSA	16 A/16A	61 A / 61A
Tightening torque VDE 0611/UL486E	0.5Nm / 13.3lbin ≡ 1.5Nm	0.8Nm / 13.3lbin ≡ 1.5Nm
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics

Accessories

	incl.	
Top hat rail 35 x 7.5 mm		**N35–2,** 2m long
Test socket		**STB4L**
Test plug		**PST4**
Connecting plug		**VST10**
Removable jumper		**VBL10**
Switchable 4-fold jumper		**VBT10-4**
Insulating end section		**IWT10**
Insulating partition		**IWTT10**
End clamp bracket	**VST 4**	**SK35**
Identification labels, strips of ten	**N35–2,** 2m long	**HSK80B**
	IW4	
	SK35	
	HSK60B	

NEUTRAL WIRE SEPARATOR TERMINALS

Fixblock Series



Type	blue **IKTR4**	blue **IKTR10**
Terminal thickness	6 mm	8 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	1 screw connection	1 screw connection
Conductor sizes	0.5 up to 6 mm² (solid)	0.5 up to 10 mm² (solid)
Rated cross section	4 mm²	10 mm²
Voltage	500 V ~ / 600 V = acc. to VDE 0611	500 V ~ / 600 V = acc. to VDE 0611
Current rating acc. to VDE0611/UL/CSA	34A/34A	61A/61A
Tightening torque VDE 0611/UL486E	0.5Nm / 1.5Nm ≡ 13.3lbin	0.5Nm / 1.5Nm ≡ 13.3lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics

Accessories

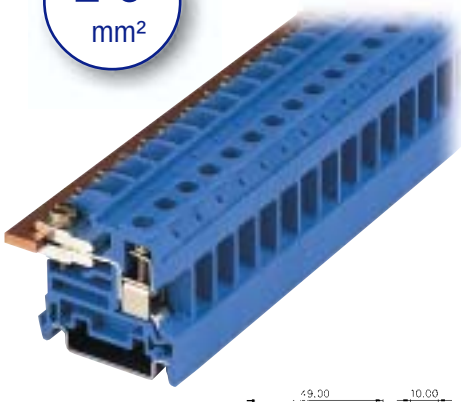
Top hat rail 35 x 7.5 mm	**N35–2,** 2m long	**N35–2,** 2m long
Neutral busbar	**S10x3**	**S10x3**
Connecting clamp for 4 to 25 mm²	**SA25**	**SA25**
Connecting clamp for 4 to 35 mm²	**SA35**	**SA35**
Insulating end section	**IWTR4,** blue	**IWTR4,** blue
End clamp bracket	**SK35**	**SK35**
Identification labels, strips of ten	**HSK60B**	**HSK80B**

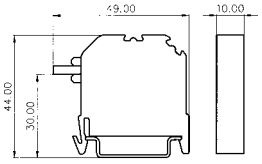
QUICK-ASSEMBLY TERMINAL BLOCKS

with flat plug connections

Fixblock Series

16 mm²

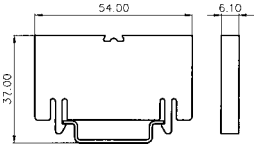




blue	**IKTR16**
10 mm	
Top hat rail N 35	
1 screw connection	
0.5 bis 16 mm² (solid)	
16 mm²	
500 V ~/600 V = acc. to VDE 0611	
85A/85A	
1.2Nm / 2.03Nm ≡ 18lbin	
Polyamide 6.6, excellent creepage-proof characteristics	

N35–2, 2m long	
S10x3	
SA25	
SA35	
IWTR4, blue	
SK35	
HSK100B	

4 mm²



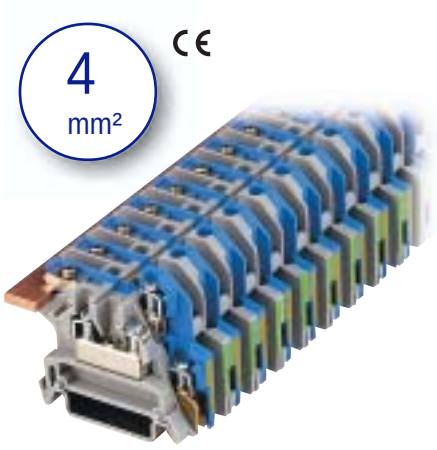
Type	light-grey **IZZ4**
Terminal thickness	4 mm
DIN rail	Top hat rail N 35
Connection type	4 flat plug connections 0.8 x 6.3 mm and 1 tapped hole for jumpers
Connection possibility	for flat plug connections 6.3 mm
Rated cross section	4 mm²
Voltage	750 V ~/800 V = acc. to VDE 0611
Current rating acc.to VDE0611/UL/CSA	36 A/36A
Tightening torque VDE 0611/UL486E	flat plug connections
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics

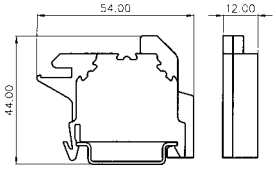
Accessories

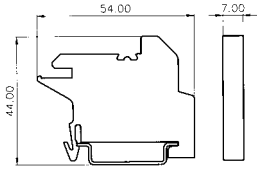
Top hat rail 35 x 7.5 mm	**N35–2,** 2m long
Jumper	**VB4-2,** 2 poles **VB4-12,** 12 poles
Insulating end section	**IWZZ4**
End clamp bracket	**SK35**
Identification labels, strips of ten	**HSK60B**

PE / N - COMB. THREE-WIRE TERMINALS

Fixblock Series







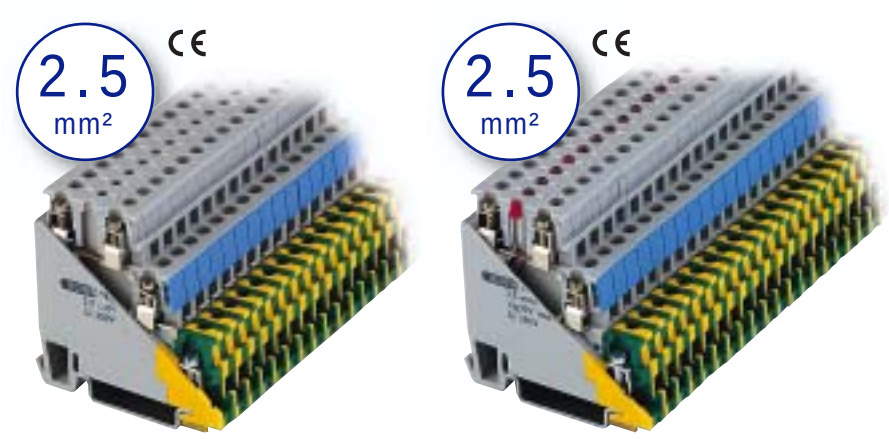
Type	blue / light-grey **IKTRED**	blue **IKTRE**
Terminal thickness	12 mm	7 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	for the neutral (can be isolated) and the PE conductor 1 screw connection each; for the phase a feed-through terminal with 2 screw connections	for the neutral (can be isolated) and the PE conductor 1 screw connection each
Conductor sizes	0.5 up to 6 mm² (solid)	0.5 up to 6 mm² (solid)
Rated cross section	4 mm²	4 mm²
Voltage	500 V ~ / 600 V = acc. to VDE 0611	500 V ~ / 600 V = acc. to VDE 0611
Current rating acc.to VDE0611/UL/CSA	34A / 34A	34A / 34A
Tightening torque VDE 0611/ UL486E	0.5Nm / 1.5Nm ≡ 13.3lbin	0.5Nm / 1.5Nm ≡ 13.3lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Description	Combined three-wire terminal for the neutral, the phase and for the PE conductor (with green / yellow marking)	Combined two-wire terminal for the neutral and for the PE conductor (with green / yellow marking)

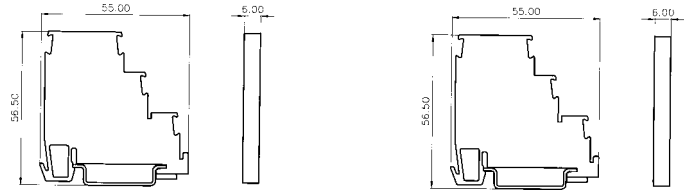
Accessories

Top hat rail 35 x 7.5 mm	**N35-2**, 2m long	**N35-2**, 2m long
Neutral busbar	**S10x3**	**S10x3**
Connecting clamp for 4 to 25 mm²	**SA25**	**SA25**
Terminals to serve as supply line to the DIN rail (PE conductor)		
0.5 - 4 mm²	**IKE4**	**IKE4**
0.5 - 10 mm²	**IKE10**	**IKE10**
0.5 - 16 mm²	**IKE16**	**IKE16**
16 - 50 mm²	**IKE50**	**IKE50**
End clamp bracket	**SK35**	**SK35**
Identification labels, strips of ten	**HSK50B / HSK60B**	**HSK60B**

ACTUATOR TERMINALS

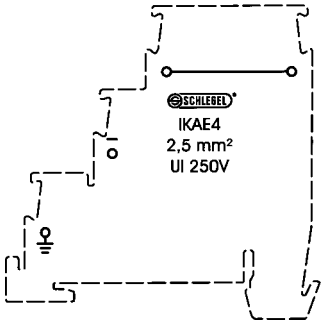
Fixblock Series

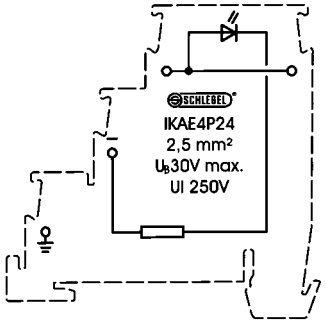




Type	light-grey **IKAE4**	light-grey **IKAE4P24**
Terminal thickness	6 mm	6 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	screw connection	screw connection
Conductor sizes	0.5 up to 2.5 mm²	0.5 up to 2.5 mm²
Rated cross section	2.5 mm²	2.5 mm²
Rated operational voltage		5 to 30 V
Voltage	250 V ~ acc. to VDE 0611	250 V ~ acc. to VDE 0611
Current rating acc.to VDE0611/UL/CSA	26A/26A	26A/26A
Tightening torque VDE 0611/ UL486E	0.4 Nm/0.56 Nm ≡ 5 lbin	0.4 Nm/0.56 Nm ≡ 5 lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics

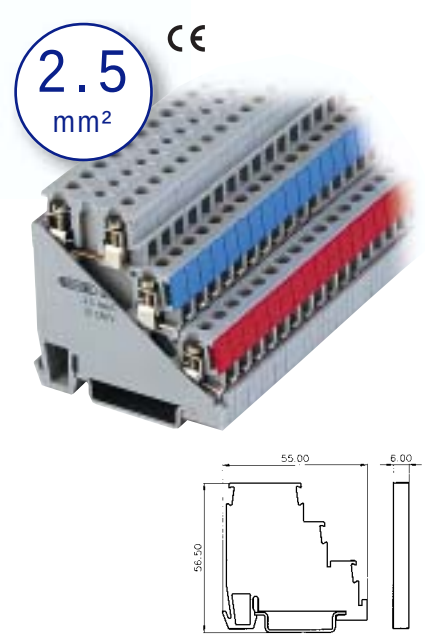
Accessories		
12-pole jumper	**KVI4-12**	**KVI4-12**
Identification labels, strips of ten	**HSK60B**	**HSK60B**
End clamp bracket	**SK35**	**SK35**
Colour markers, strips of ten for self-marking	**HSK50BL** (blue)	**HSK50BL** (blue)

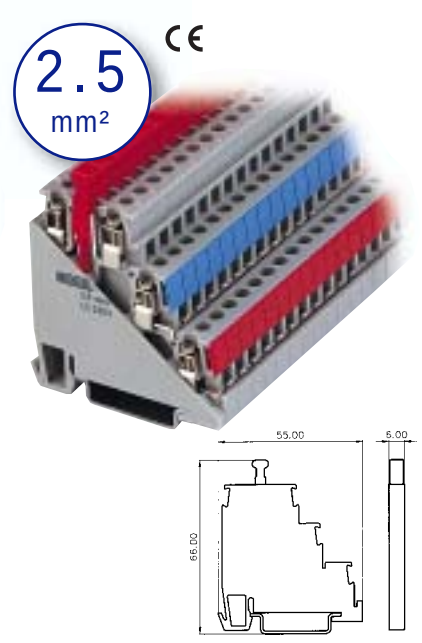




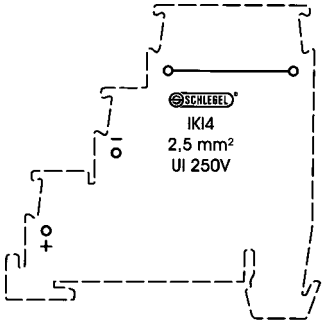
INITIATOR TERMINALS

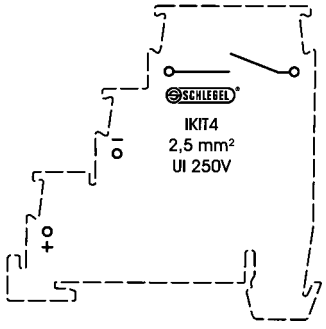
Fixblock Series

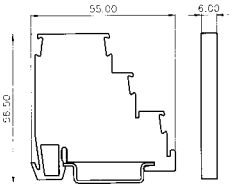


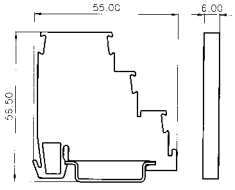


Type	light-grey **IKI4**	light-grey **IKIT4**
Terminal thickness	6 mm	6 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	screw connection	screw connection
Conductor sizes	0.5 up to 2.5 mm²	0.5 up to 2.5 mm²
Rated cross section	2.5 mm²	2.5 mm²
Rated operational voltage		
Voltage	250 V ~ acc. to VDE 0611	250 V ~ acc. to VDE 0611
Current rating acc.to VDE 0611/UL/CSA	26A/26A	26A/26A
Tightening torque VDE 0611/UL486E	0.4 Nm/0.56 Nm ≡ 5 lbin	0.4 Nm/0.56 Nm ≡ 5 lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Accessories		
12-pole jumper (touch-safe once mounted)	**KVI4-12**	**KVI4-12**
Identification labels, strips of ten	**HSK60B**	**HSK60B**
End clamp bracket	**SK35**	**SK35**
Colour markers, strips of ten for self-marking	**HSK50/RT** (red) **HSK50/BL** (blue)	**HSK50/RT** (red) **HSK50/BL** (blue)



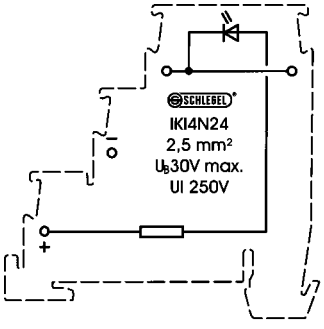


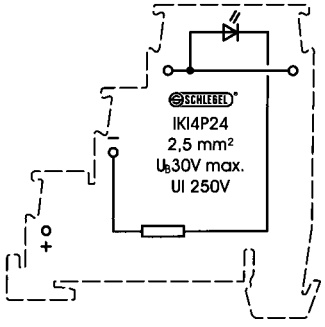




light-grey **IKI4N24**	light-grey **IKI4P24**
6 mm	6 mm
Top hat rail N 35	Top-hat rail N 35
screw connection	screw connection
0.5 up to 2.5 mm²	0.5 up to 2.5 mm²
2.5 mm²	2.5 mm²
5 - 30 V	5 - 30 V
250 V ~ acc. to VDE 0611	250 V ~ acc. to VDE 0611
26A/26A	26A/26A
0.4 Nm/0.56 Nm ≡ 5 lbin	0,4 Nm/0,56 Nm ≡ 5 lbin
Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics

KVI4-12	**KVI4-12**
HSK60B	**HSK60B**
SK35	**SK35**
HSK50/RT (red) **HSK50/BL** (blue)	**HSK50/RT** (red) **HSK50/BL** (blue)

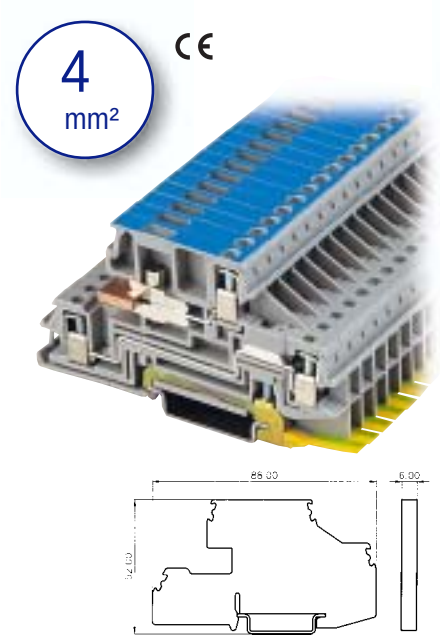


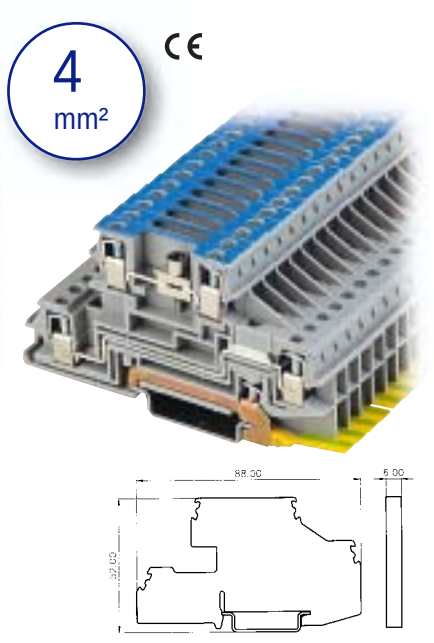


DISTRIBUTION TERMINALS

Three-storey Wiring Terminals

Fixblock Series

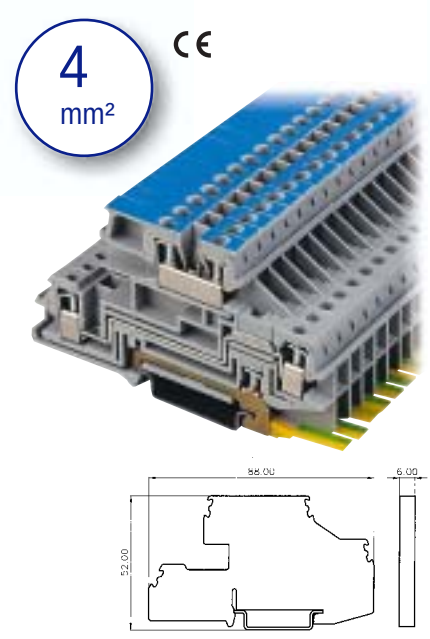


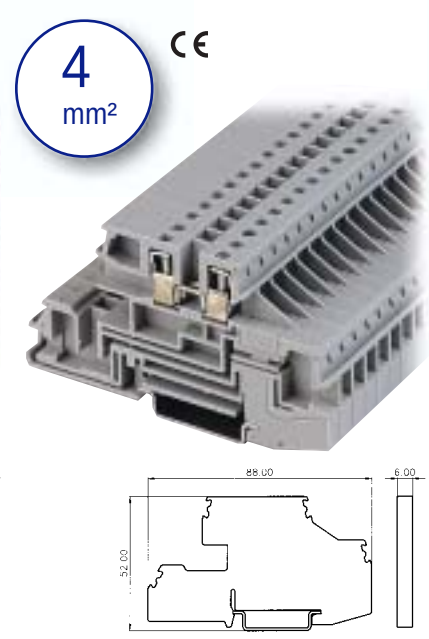


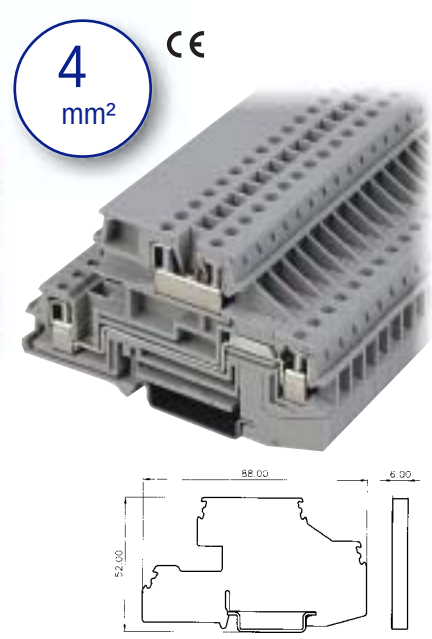
Type	light-grey **IKEPTR**	light-grey **IKEPT**
Terminal thickness	6 mm	6 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	For the neutral (can be isolated) and the PE conductor 1 screw connection each; for the phase a feed-through terminal with 2 screw connections and 1 tapped hole for the jumpers.	For the neutral (can be isolated) and the PE conductor 1 screw connection each; for the phase a feed-through terminal with 2 screw connections and 1 tapped hole for the jumpers.
Conductor sizes	0.5 up to 6 mm² (solid)	0.5 up to 6 mm² (solid)
Rated cross section	4 mm²	4 mm²
Voltage	500 V ~/600 V = acc. to VDE 0611	500 V ~/600 V = acc. to VDE 0611
Currentrating acc. to VDE 0611/UL/CSA	34A/34A	34A/34A
Tightening torque VDE 0611/UL486E	0.5Nm / 1.5Nm ≡ 13.3lbin	0.5Nm / 1.5Nm ≡ 13.3lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Description	PE conductor on support rail, Neutral wire isolator on busbar	PE conductor on support rail, Neutral wire isolator on busbar

Accessories

Top hat rail 35x7.5 mm	**N35-2,** 2m long	**N35-2,** 2m long
Neutral busbar	**S10x3,** 1m long	
Connecting clamp for 4 to 25 mm²	**SA25**	
Jumper	**VB4-12**	**VB4-12**
End clamp bracket	**SK35**	**SK35**
Terminals to serve as supply line to the support rail (PE conductor)		
0.5 - 4 mm²	**IKE4**	**IKE4**
0.5 - 10 mm²	**IKE10**	**IKE10**
0.5 - 16 mm²	**IKE16**	**IKE16**
0.5 - 50 mm²	**IKE50**	**IKE50**
Identification labels, strips of ten	**HSK60B**	**HSK60B**
Insulating end section	**IWEPTR**	**IWEPTR**







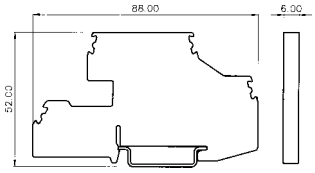
light-grey **IKEPN**	light-grey **IKP**	light-grey **IKPP**
6 mm	6 mm	6 mm
Top hat rail N 35	Top hat rail N 35	Top hat rail N 35
For the neutral 2 screw connections and 1 tapped hole for jumpers; for the PE conductor 1 screw connection; for the phase a feed-through terminal with 2 screw connections and 1 tapped hole for jumpers.	For the phase a feed-through terminal with 2 screw connections and 1 tapped hole for jumpers.	For two phases 1 feed-through terminal each with 2 screw connections and 1 tapped hole for jumpers.
0.5 up to 6 mm² (solid)	0.5 up to 6 mm² (solid)	0.5 up to 6 mm² (solid)
4 mm²	4 mm²	4 mm²
500 V ~/600 V = acc. to VDE 0611	500 V ~/600 V = acc. to VDE 0611	500 V ~/600 V = acc. to VDE 0611
34A/34A	34A/34A	34A/34A
0.5Nm / 1.5Nm≡ 13.3lbin	0.5Nm / 1.5Nm≡ 13.3lbin	0.5Nm / 1.5Nm ≡ 13.3lbin
Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
PE conductor on support rail, neutral continuous	1-pole feed-through terminal	2-pole feed-through terminal
N35-2, 2m long	**N35-2,** 2m long	**N35-2,** 2m long
VB4-12	**VB4-12**	**VB4-12**
SK35	**SK35**	**SK35**
IKE4 **IKE10** **IKE16** **IKE50**		
HSK60B	**HSK60B**	**HSK60B**
IWEPTR	**IWEPTR**	**IWEPTR**

DISTRIBUTION TERMINALS

Three-storey Wiring Terminals

Fixblock Series

4 mm²



Type	light-grey **IKEPP**
Terminal thickness	6 mm
DIN rail	Top hat rail N 35
Connection type	For the PE conductor 1 screw connection; for two phases 1 feed-through terminal each with 2 screw connections and 1 tapped hole for the jumpers.
Conductor sizes	0.5 up to 6 mm² (solid)
Rated cross section	4 mm²
Voltage	500 V ~/600 V = acc. to VDE 0611
Current rating acc.to VDE0611/UL/CSA	34A/34A
Tightening torque VDE 0611/UL486E	0.5Nm / 1.5Nm ≡ 13.3lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics
Description	2-pole, PE conductor on support rail

Accessories

Top hat rail 35 x 7.5 mm	**N35-2,** 2m long
Connecting clamp for 4 to 25 mm²	**SA25**
Jumper	**VB4-12**
End clamp bracket	**SK35**
Terminals to serve as supply line to the support rail (PE conductor) 0.5 - 4 mm² 0.5 - 10 mm² 0.5 - 16 mm² 0.5 - 50 mm²	 **IKE4** **IKE10** **IKE16** **IKE50**
Identification labels, strips of ten	**HSK60B**
Insulating end section	**IWEPTR**

FUSE TERMINALS

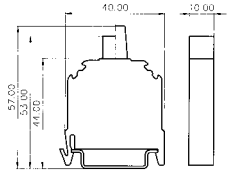
Fixblock Series

Type	
Terminal thickness	
DIN rail	
Connection type	
Conductor sizes	
Rated cross section	
Voltage	
Current rating acc. toVDE0611/UL/CSA	
Tightening torque VDE 0611/UL486E	
Insulating material	
Description	

Accessories

Top hat rail 35 mm	
Jumper	
Insulating end section	
End clamp bracket	
Identification labels, strips of ten	
Fuseholder for G-cartridge fuses 5x20	
G-cartridge fuses 5x20 mm, without failure indicator	

4 mm²



light-grey **IKSI4**

10 mm
Top hat rail N 35
2 screw connections
0.5 up to 6 mm² (solid)
4 mm²
500 V ~/600 V = acc. to VDE 0611
6.3A/6.3A
0.5Nm / 1.5Nm≡ 13.3lbin
Polyamide 6.6, excellent creepage-proof characteristics
List price without fuseholder and cartridge fuses *) Please order separately

N35-2, 2m long

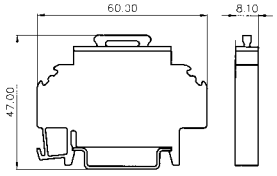
SK35

HSK100B

SH20

SP20...

4 mm²



light-grey **IKSI5**

8 mm
Top hat rail N 35
2 screw connections
0.5 up to 6 mm² (solid)
4 mm²
660 V ~/800 V = acc. to VDE 0611
10A/10A
0.Nm / 1.13Nm≡ 10lbin
Polyamide 6.6, excellent creepage-proof characteristics
List price incl. fuseholder for G-cartridge fuses 5x20 mm. Price without fuses - please order separately

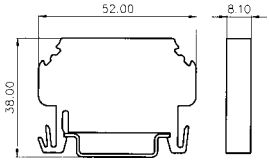
N35-2, 2m long

SK35

HSK80B

SP20...

4 mm²



light-grey **IKFSI5**

8 mm
Top hat rail N 35
2 screw connections
0.5 up to 6 mm² (solid)
4 mm²
48 V
30A/30A
0.5Nm / 1.5Nm ≡ 13.3lbin
Polyamide 6.6, excellent creepage-proof characteristics
for automotive fuse-links, e.g. used in building vehicles and caravans

N35-2, 2m long

KVFI4-12 (comb-type)

SK35

HSK100B

Fuse-links DIN 72581-C

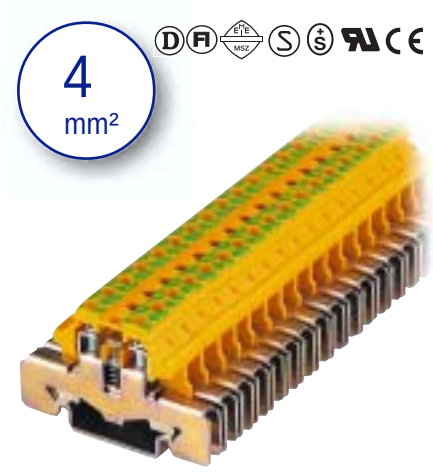
Type	Colour	Rated Current[1] A
EP 3	violet	3
EP 4	pink	4
EP 5	light-brown	5
EP 7,5	brown	7,5
EP 10	red	10
EP 15	light-blue	15
EP 20	yellow	20
EP 25	white (nature)	25
EP 30	light-green	30

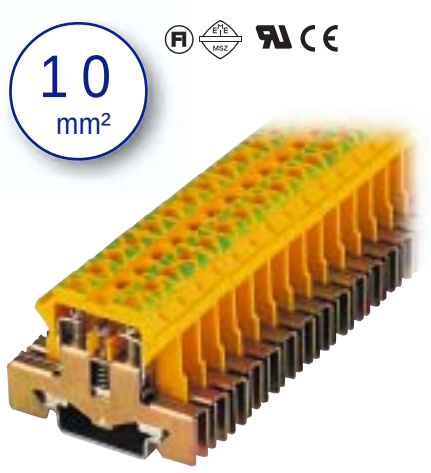
[1]referred to 23±5° C room temperature

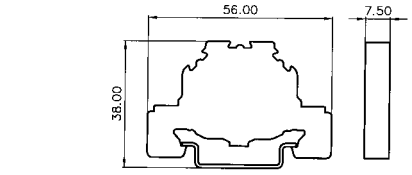
*) cartridge fuses acc. to DIN 41571 and DIN 41576

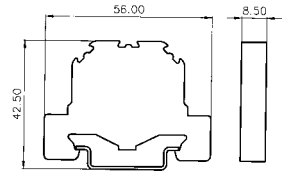
EARTH CONNECTION TERMINALS

Fixblock Series







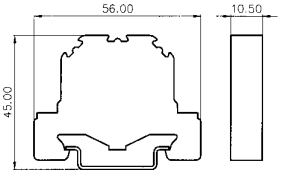


Type	yellow/green **IKE4**	yellow/green **IKE10**
Terminal thickness	7.5 mm	8.0 mm
DIN rail	Top hat rail N 35	Top hat rail N 35
Connection type	2 screw connections	2 screw connections
Rated cross section	4 mm²	10 mm²
Tightening torque VDE 0611 / UL486E	0.5Nm / 0.9Nm ≡ 8lbin	0.8Nm / 1.5Nm ≡ 13.3lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics
Description	Earth connection terminal	Earth connection terminal

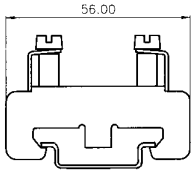
Accessories

Top hat rail 35 x 7.5 mm	**N35-2,** 2m long	**N35-2,** 2m long
Identification labels, strips of ten	**HSK80B**	**HSK80B**

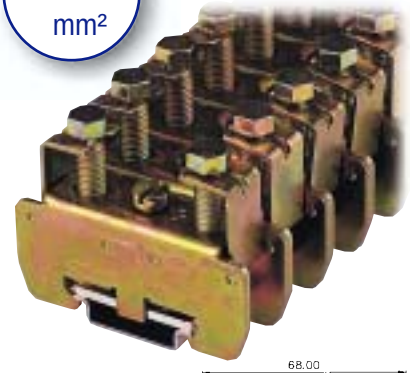
16 mm²

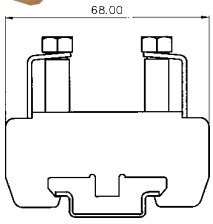


50 mm²



70 mm²





yellow / green **IKE16**	**IKE50**	**IKE70**
10.5 mm	13.5 mm	20 mm
Top hat rail N 35	Top hat rail N 35	Top hat rail N 35
2 screw connections	2 screw connections	2 screw connections
16 mm²	50 mm²	70 mm²
1.2Nm / 2.03Nm ≡ 18lbin	acc. to VDE 0611 3.0Nm (1.2Nm, centre screw)	acc. to VDE 0611 6.0Nm (2.4Nm, centre screw)
Polyamide 6.6, excellent creepage-proof characteristics		
Earth connection terminal	Earth connection terminal, uninsulated	Earth connection terminal, uninsulated

N35-2, 2m long	**N35-2,** 2m long	**N35-2,** 2m long
HSK100B		

EARTH CONNECTION TERMINAL RAILS

**Uninsulated earth connection terminal rails *)
with labelling facilities**

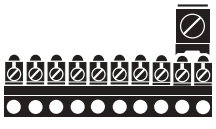
*) with the original SCHLEGEL contact system

For direct mounting onto the control panel, with 10, 20 or 50 clamping points or by the meter.
All the SCHLEGEL identification labels for terminal blocks will fit onto this system.

Conductor sizes up to 10 mm² are possible,
using the adapter SAK 25 in addition conductors up to 25 mm² can be connected.

Type	
Earth connection terminal rail, 10 clamping points, 10 x 10 mm	**SLK 10 x 10,** 80 mm long
Earth connection terminal rail, 20 clamping points, 20 x 10 mm	**SLK 10 x 20,** 160 mm long
Earth connection terminal rail, 50 clamping points, 50 x 10 mm	**SLK 10 x 50,** 400 mm long
Earth connection terminal rail, 300 clamping points, 300 x 10 mm	**SLK 10 x 300,** 2400 mm long

Accessories	
Adapter for 2 clamping points, 1 x 25 mm	**SAK 25**
Support insulators	**STI**



SLK 10 x 10 + 1 SAK 25

STI

SLK 10

SAK 25

PICKABACK TERMINALS

Fixblock Series

Double-deck terminal blocks allow the mounting of terminals up to 16 mm² on the second storey

Type	
Terminal thickness	
DIN rail	
Connection type	
Conductor sizes	
Rated cross section	
Voltage	
Current rating acc. to VDE 0611/UL/CSA	
Tightening torque VDE 0611 / UL486E	
Insulating material	

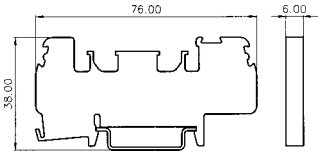
Terminal types that fit on the second storey:

IK3 up to IK16, IKSI4, IKT4, IKTR4, IKTR16

Accessories	
Top hat rail 35 x 7.5 mm	
Jumper	
Connecting strap *)	
Test socket	
Test plug	
Insulating end section	
Insulating partition	
End clamp bracket	
Identification labels, strips of ten	
End clamp bracket	

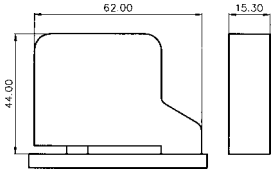
*) nickel electroplated
to connect two adjacent terminal blocks

4 mm²



NEUTRAL FEED-THROUGH TERMINALS

25 mm²

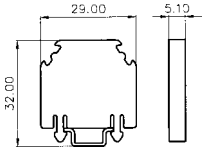


light-grey **IKH4,** blue **IKH4BL**	Type blue **FKN25**
6 mm	Terminal thickness 15 mm
Top hat rail N 35	Connection type 2 screw connections and 1 branch
2 screw connections and 1 tapped hole for jumpers	Conductor sizes 10 up to 25 mm²
0.5 up to 6 mm²	Rated cross section 25 mm²
4 mm²	Voltage 250 V
750 V ~/800 V = acc. to VDE 0611	Current rating acc. to VDE0611/UL/CSA 108A/108A
34A/34A	Tightening torque VDE 0611/ UL486E 53 (18) lbin ≡ 7.0 (2.4) Nm 2.5 Nm (1.2 Nm)
0.5Nm/1.5Nm≡ 13.3lbin	Insulating material Polyamide 6.6, excellent creepage-proof characteristics
Polyamide 6.6, excellent creepage-proof characteristics	Description Neutral feed-through terminal 25 mm² with 2.5 mm² branch to connect measuring instruments, e.g. used in distribution boxes on building sites.

N35–2,	2m long
VB4–2,	2 poles
VB4–12,	12 poles
VL4–2,	2 poles
STB2	
PST2	
IWH4	
IW70	
SK35	
HSK60B	
SK15	

MINIATURE TERMINALS

2.5 mm²



Type	light-grey **HK3**
Terminal thickness	5 mm
DIN rail	Top hat rail N 15
Connection type	2 screw connections and 1 tapped hole for jumpers
Conductor sizes	0.5 up to 4 mm²
Rated cross section	2.5 mm²
Voltage	500 V ~ / 600 V = acc. to VDE 0611
Current rating acc.to VDE0611 / UL / CSA	26A / 26A
Tightening torque VDE 0611 / UL486E	0.4Nm / 0.56Nm ≡ 5 lbin
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics

Accessories

Top hat rail 15 mm	**N15–2,** 2m long
Jumper	**VB2–2,** 2 poles **VB2–12,** 12 poles
Connecting strap	**VL2–2,** 2 poles
Insulating end section	**EH2**
Safety cover	**KAW2,** over 4 terminals over more than 4 terminals on request
End clamp bracket for DIN rail N15	**SK15**
End clamp bracket with earthing screw and cable protection	**ESK 15**
Identification labels, strips of ten	**HSK50B**

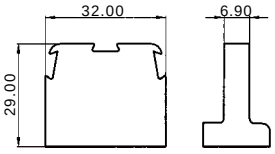
RAILLESS TERMINALS

Type	
Terminal thickness	
Connection type	
Conductor sizes	
Attachment on P.C.B.	
Wire insertion	
Rated cross section	
Rated voltage	
Current rating acc. to VDE0611 / UL / CSA	
Matrix spacing	
Insulating material	
Description	

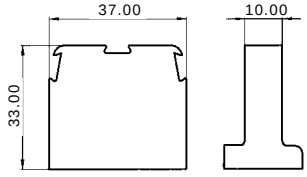
Accessories

Jumper	
Connecting strap	
Connecting clamp	
Insulating cap	
Test socket	
Test plug	
Insulating end section	
Safety cover	
Identification labels, strips of ten	

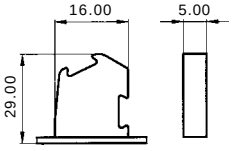
4 mm²



16 mm²



1.5 mm²

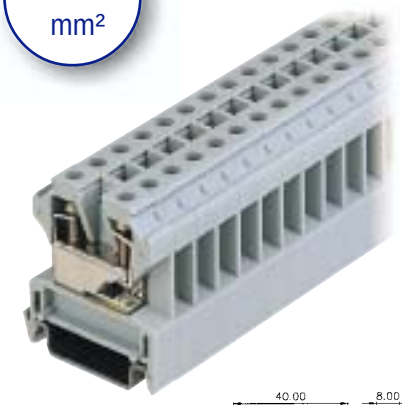


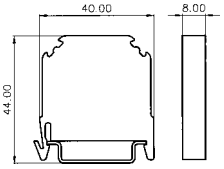
light-grey **FK5**	light-grey **FK16**	light-grey **GKL3**
7 mm	10 mm	5 mm
2 screw connections and 1 tapped hole for jumpers	2 screw connections and 1 tapped hole for jumpers	1 screw connection
0.5 up to 6 mm²	0.5 up to 16 mm²	
		2 soldering pins for PCB's with1.3 mm holes
		at an angle of 30° from the horizontal line
4 mm²	16 mm²	
750 V ~/800 V acc. to VDE 0611	750 V ~/800 V acc. to VDE 0611	250 V ~ acc. to VDE 0110 B
34A/34A	82 A/68 A	
		5.0 up to 5.08 mm
Polyamide 6.6, excellent creepage-proof characteristics	Polyamide 6.6, excellent creepage-proof characteristics	
Easy to assemble. Screw after every 10th terminal to secure the interlocking of the terminal row.	Easy to assemble. Screw after every 10th terminal to secure the interlocking of the terminal row.	

VBS4-2, 2 poles **VBS4-3,** 3 poles	**VB16-2,** 2 poles **VB16-3,** 3 poles	
VL4-2, 2 poles	**VL16-2,** 2 poles	
VS4	**VS16**	
VSK4	**VSK16**	
STB2	**STB16**	
PST2	**PST4**	
TWF5		**GWL3**
KAW4, over 4 terminals over more than 4 terminals on request	**KAW16,** over 4 terminals over more than 4 terminals on request	
HSK60B	**HSK100B**	**HSK50B**

Through terminals with insulation displacement system

4 mm²





Type	light-grey blue	**IKO4** **IKO4BL**
Terminal thickness	8 mm	
DIN rail	Top hat rail N 35	
Connection type	2 screw connections and 1 tapped hole for jumpers	
Conductor sizes	1.5 up to 4 mm²	
Rated cross section	4 mm²	
Voltage	750 V ~ / 800 V = nach VDE 0611	
Current rating acc. to VDE 0611 / UL	34 A / 30 A	
Tightening torque acc. to VDE 0611 / UL486E	0.8Nm / 1.5Nm ≡ 13.3lbin	
Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	

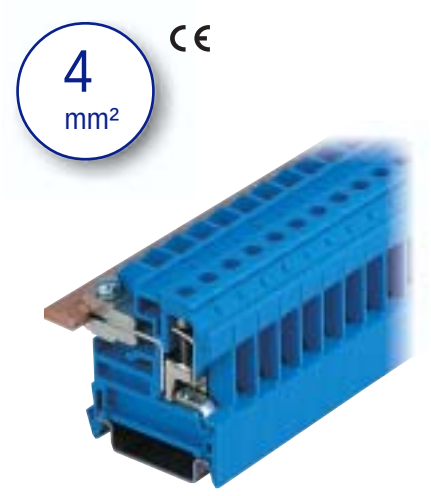
Accessories		
Top hat rail 35 x 7.5 mm	**N35–2,** **N35L–2,**	2m long punched
Jumpers	**VB6–2,** **VB6–12,**	2 poles 12 poles
Connecting straps	**VL6–2,**	2 poles
Test socket	**STB2**	
Test plug	**PST2**	
Insulating end section	**IW16**	
Insulating partition	**IW50**	
Safety cover	**KAW10,** over 4 terminals over more than 4 terminals on request	
End clamp bracket	**SK35**	
reinforced version	**SKS35**	
Identification labels, strips of ten	**HSK80B**	

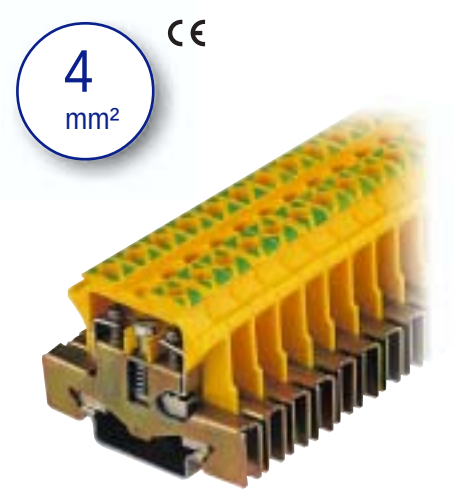
Neutral wire separator terminals with insulation displacement system

Type
Terminal thickness
DIN rail
Connection type
Conductor sizes
Rated cross section
Voltage
Current rating acc. to VDE 0611 / UL
Tightening torque acc. to VDE 0611 / UL486E
Insulating material

Accessories
Top hat rail 35 x 7.5 mm
Neutral busbar
Connecting clamp for 4 - 25 mm²
Connecting clamp for 4 - 35 mm²
Insulating end section
End clamp bracket
Identification labels, strips of ten

Earth connection terminals with insulation displacement system





blue	**IKOTR4**	Type	yellow / green	**IKOE4**
8 mm		Terminal thickness	8 mm	
Top hat rail N 35		DIN rail	Top hat rail N 35	
1 screw connection		Connection type	2 screw connections	
1.5 up to 4 mm²		Rated cross section	4 mm²	
4 mm²		Tightening torque acc. to VDE 0611 / UL486E	0.8Nm / 1.5Nm ≡ 13.3lbin	
500 V ~ / 600 V = acc. to VDE 0611		Insulating material	Polyamide 6.6, excellent creepage-proof characteristics	
34 A / 30 A		Description	Earth connection terminal	
0.8Nm / 1.5Nm ≡ 13.3lbin				
Polyamide 6.6, excellent creepage-proof				

		Accessories	
N35–2,	2m long	Top hat rail 35 x 7.5 mm	**N35-2,** 2m long
S10x3		Identification labels, strips of ten	**HSK80B**
SA25			
SA35			
IWTR4, blue			
SK35			
HSK80B			

Accessories	IK 3	IK 5	IK10 / IKO4 / IKO4BL	IK16	IK25	IK50	IK70	IK120	IK240
Top hat rail 35 x 7.5, 2m long	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2
Top hat rail 35 x 7.5, punched	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2			
Top hat rail 15 mm									
Neutral busbar									
Jumpers, 2 poles	VB2–2	VB4–2	VB6–2	VB16–2	VB25	VB35	VB70		
Jumpers, 12 poles	VB2–12	VB4–12	VB6–12	VB16–12					
Connecting straps, 2 poles	VL2–2	VL4–2	VL6–2	VL16–2	VL25	VL35	VL70		
Connecting straps, 3 poles					VL25–3	VL35–3	VL70–3		
Supports					VBU35	VBU35	VBU35		
Removable jumpers				VBL 16					
Connecting clamps		VS4		VS16					
Connecting clamps for 4 to 25 mm²									
Connecting clamps for 4 to 35 mm²									
Insulating caps		VSK4		VSK16					
Test sockets		STB2	STB2	STB16	STB35	STB35	STB35		
Test plugs		PST2	PST2	PST4	PST4	PST4	PST4		
Insulating end sections	IW2	IW4	IW16	IW16	IW50	IW50	IW70		
Insulating partitions	IW4	IW16	IW50	IW50	IW70	IW70		TW240	TW240
Insulating partitions, large-sized	ITW4								
Safety covers over 4 terminals, others on request	KAW2	KAW4	KAW10	KAW16	KAW25	KAW35	KAW70	KAW120	KAW240
End clamp bracket	SK35	SK35	SK35	SK35	SK35	SK35	SK35		
End clamp bracket, for DIN rail N15									
End clamp bracket, reinforced version	SKS35	SKS35	SKS35	SKS35	SKS35	SKS35	SKS35		
End clamp bracket with earthing screw and wire protection									
Diode plug, blue									
Diode plug, red									
Resistance plug, with fine adjustable Cermet variable resistance 20 Ω									
Quenching diode plug, grey									
Bridge rectifier plug with Si-rectifier									
Disconn. plugs with Optocoupler and Triac **for 5 V** **for 12 V** **for 24 V**									
Connecting plugs									
Switchable 4-pole jumper									
Terminal types that fit on the second storey of the double-deck terminals Type **IKH4**									
Fuseholder for G-cartridge fuses 5x20									
G-cartridge fuses 5x20, without failure indicator									
Identification labels	HSK50B	HSK60B	HSK80B	HSK100B	HSK60B	HSK60B	HSK60B	HSK100B	HSK100B

IKTS4	IKTSP4	IKT4 / IKT4RT / IKT4BL	IKT10	IKTR4	IKTR10 / IKOTR4	IKTR16	IZZ4	IKTRED	IKTRE	IKH4 / IKH4BL	IKEPTR	IKEPT
N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2	N35–2
N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2
				S10x3	S10x3	S10x3		S10x3	S10x3		S10x3	
										VB4-2		
										VB4-12	VB4-12	VB4-12
										VL4-2		
			VBL10									
				SA25	SA25	SA25		SA 25	SA 25		SA 25	SA 25
				SA35	SA35	SA35						
			STB4L							STB2		
			PST4							PST2		
IW4	IW4	IW4	IWT10	IWTR4,bl.	IWTR4,bl.	IWTR4,bl.	IWZZ4			IWH4	IWEPTR	IWEPTR
			IWTT10							IW70		
SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35	SK35
										SK15*)		
		DSBL										
		DSRT										
		WS20										
		DSL										
		BGS										
		OKSW-5 OKSW-12 OKSW-24										
	VST 4		VST 10									
			VBT10-4									
										IK3-IK16 IKSI4 IKT4 IKTR4 IKTR16		
HSK60B	HSK60B	HSK60B	HSK80B	HSK60B	HSK80B	HSK100B	HSK60B	HSK50B HSK60B	HSK60B	HSK60B	HSK60B	HSK60B

*)for second storey of pickaback terminal IKH4

Accessories	IKEPN	IKP	IKPP	IKEPP	IKSI4	IKSI5	IKFSI5	IKE4	IKE10 / IKOE4
Top hat rail 35 x 7.5, 2m long	**N35–2**	**N35–2**	**N35–2**	**N35–2**	**N35–2**	**N35–2**	**N35–2**	**N35–2**	**N35–2**
Top hat rail 35 x 7.5, punched	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**	**N35L–2**
Top hat rail 15 mm									
Neutral busbar									
Jumpers, 2 poles									
Jumpers, 12 poles (**–12**), 3 poles (**–3**)	**VB4–12**	**VB4–12**	**VB4–12**	**VB4–12**			**KVFI4–12**		
Connecting straps, 2-fold	**VL4-2**	**VL4-2**	**VL4-2**	**VL4-2**					
Connecting straps, 3-fold									
Supports									
Removable jumpers									
Connecting clamps									
Connecting clamps for 4 to 25 mm²									
Connecting clamps for 4 to 35 mm²									
Insulating caps									
Test sockets									
Test plugs									
Insulating end sections	**IWEPTR**	**IWEPTR**	**IWEPTR**	**IWEPTR**					
Insulating partitions									
Insulating partitions, large-sized									
Safety covers over 4 terminals, others on request									
End clamp bracket	**SK35**	**SK35**	**SK35**	**SK35**	**SK35**	**SK35**	**SK35**		
End clamp bracket for DIN rail N15									
End clamp bracket, reinforced version									
End clamp bracket, with earthing screw and wire protection									
Diode plug, blue									
Diode plug, red									
Resistance plug, with fine adjustable Cermet variable resistance 20 Ω									
Quenching diode plug, grey									
Bridge rectifier with Si-rectifier									
Disconn. plug with Optocoupler and Triac **for 5 V** **for 12 V** **for 24 V**									
Connecting plugs									
Switchable									
Terminals for the supply to the support rail (PE conductor) ***applies also to: IKTRED, IKTRE, IKEPT, IKEPTR***	**0.5 - 4 mm²** **IKE4** **0.5 - 10 mm²** **IKE10** **0.5 - 16 mm²** **IKE16** **16 - 50 mm²** **IKE50**		**IKE4** **IKE10** **IKE16** **IKE50**						
Fuseholder for G-cartridge fuses 5x20					**SH20**				
G-cartridge fuses 5x20, without failure indicator					**SP20**	**SP20**			
Identification labels	**HSK60B**	**HSK60B**	**HSK60B**	**HSK60B**	**HSK100B**	**HSK80B**	**HSK80B**	**HSK80B**	**HSK80B**

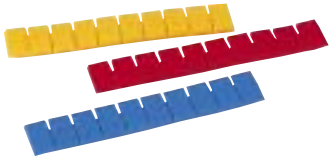
IKE16	IKE50	IKE70	HK3	GKL3	FK5	FK16	IKI4	IKIT4	IKI4N24	IKI4P24	IKAE4	IKAE4P24
N35–2	N35–2	N35–2					N35–2	N35–2	N35–2	N35–2	N35–2	N35–2
N35L–2	N35L–2						N35L–2	N35L–2	N35L–2	N35L–2	N35L–2	N35L–2
			N15–2									
			VB2–2		VBS4–2	VB16–2						
			VB2–12		VBS4–3	VB16–3	KVI4–12	KVI4–12	KVI4–12	KVI4–12	KVI4–12	KVI4–12
			VL2–2		VL4–2	VL16–2						
					VS4	VS16						
					VSK4	VSK16						
					STB2	STB16						
					PST2	PST4						
			EH2		TWF5							
			KAW2	GWL3	KAW4							
							SK35	SK35	SK35	SK35	SK35	SK35
			SK15									
			ESK15									
			HSK50B	HSK50B	HSK60B	HSK100B	HSK60B	HSK60B	HSK60B	HSK60B	HSK60B	HSK60B

Universal Identification Labels Type HSK, Colour Markers HSK…

Identification labels*, strips of ten
HSK50B

1 to 999 - horizontal print,
A to Z, L1, L2, L3, N, PE, PEN, U1, V1, W1, U2, V2, W2 to W6
⎓ , ≂ , ⚡, ⏚, ⏚, ⏚, =, ~, ⊗, +, –
*special imprints on request

Identification labels, strips of ten
HSK50



Colours: yellow, green, red, blue, black

Identification labels*, strips of ten
HSK60B

1 to 999 - horizontal print
1 to150 - vertical print,
A to Z, L1, L2, L3, N, PE, PEN, U1, V1, W1, U2, V2, W2 to W6
⎓ , ≂ , ⚡, ⏚, ⏚, ⏚, =, ~, ⊗, +, –
*special imprints on request

Identification labels*, strips of ten
HSK80B

1 to 1000 - horizontal print
*special imprints on request

Identification labels*, strips of ten
HSK100B

1 to 1000 - horizontal print
R, S, T, O, L1, L2, L3, N
*special imprints on request

Special waterproof marker LCS

Ordering examples:

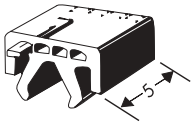
HSK60 blank	**= HSK60U**
HSK60 printed with 1 (10 identical figures per strip - horizontal)	**= HSK60B-1**
HSK60 printed from11to 20 - horizontal	**= HSK60B 11-20W**
HSK60 printed from 111to120 - vertical	**= HSK60B 111-120 S**

The universal identification labels **HSK** are supplied in strips of ten and can be separated as required. They are available unprinted (blank) for quick and easy self-marking or with figures, letters or symbols, printed horizontally or vertically.
Once separated, the label type **HSK50** can be used on all SCHLEGEL terminal types.
Another marking possibility for SCHLEGEL terminal blocks offer the colour markers **COLOR,** which are also supplied in strips of ten and can be separated as required. You can, of course, mark them as well with the special marker type LCS.

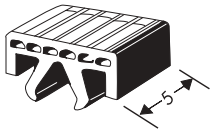
Separation of the label strips:
Individual labels can easily be separated from the strip by a slight turn, then snapped onto the terminal.

Universal Identification System
Type KS2 / 10 + KST5

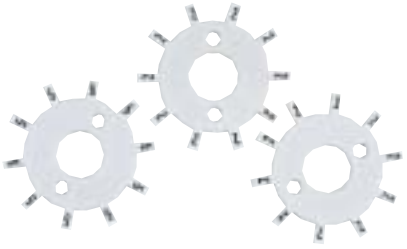
Label holder type KST5 / 4
with up to 4 digits
fits on all SCHLEGEL terminal blocks



Label holder type KST5 / 6
with up to 6 digits
fits on all SCHLEGEL terminal blocks



Label type KS2 / 10
fits in the above label holders



*0...9, A...Z,
⎓ , ≂ , ⚡ , ⏚ , ⏚ , ▼ , =, ~, ⊗, +, –

The universal identification labels KS2 / 10 allow identification with up to 4 or 6 digits.
The centre of the star serves as a handy grip to facilitate insertion of the individual labels into the label holders KST5 / ...

*stars printed identically

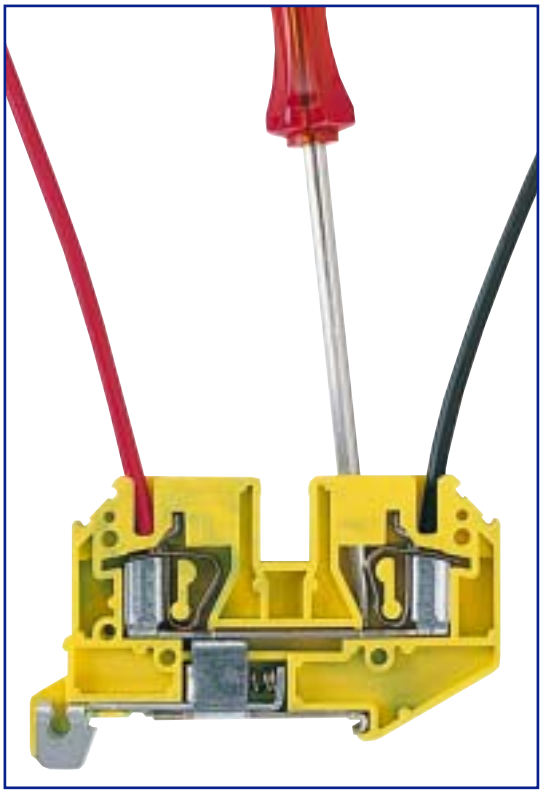
Screwless Terminal Blocks

One of the remarkable features of the SCHLEGEL ELEKTROKONTAKT screwless through and neutral-wire separator terminals is the wire insertion from the front. This allows space-saving mounting of the terminal blocks, namely side by side, close to the cable channel.

The connection system of cage-clamp terminal blocks does not basically differ from the connection system of screw-type terminals: In both cases the conductor is gripped in the clamping body and thus makes a contact between conductor and clamping body.

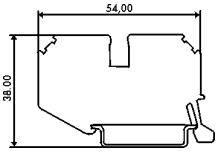
On a screw-type terminal a plate is pressing the conductor against the bottom of the clamping body when tightening the clamping screw, whereas on the cage-clamp terminal a preloaded spring pulls the conductor against the busbar (=clamping body) by its own force.

For connecting the conductor the spring must be opened by means of a screwdriver or similar tool. The conductor is inserted through a window in the spring leg and once the tool is removed, the spring force pulls the conductor against the clamping body. The screwless quick-assembly terminal blocks fit on support rails acc. to EN 50 022. The insulation bodies are made of unbreakable polyamide 6.6. Once snapped onto the rail, the earth terminal with green-yellow insulation body gets immediate contact with the support rail and thus taking on the function of the PE conductor. The earth terminal offers an additional labelling facility in the middle of the insulation body.

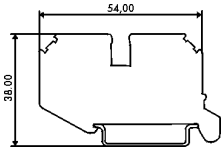


Screwless through-terminal

through-terminal



earth terminal



Type	light-grey **IF2,5**	yellow/green **IFE2,5**
Terminal thickness	5.2 mm	5.2 mm
DIN rail	top hat rail N 35	top hat rail N 35
Connection type	2 cage clamp connections and 1 tapped hole for jumpers	2 cage clamp connections, 1rail connection, 1 tapped hole for jumpers
Conductor sizes	0.25 up to 2.5 mm² and with TWIN tubular end sleeves 0,. mm²	0.25 up to 2.5 mm² and with TWIN tubular end sleeves 0.5 mm²
Rated cross section	2.5 mm²	2.5 mm²
Voltage acc. to UL and CSA	600V	
Current rating acc.to VDE 0611/UL/CSA	32A / 20A / 25A	
Insulating material	PA - V0	

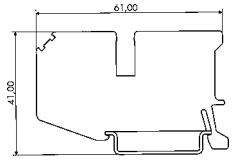
Accessories

Top hat rail	**N35-2,** **N35L-2,**	2m long punched	**N35-2,** **N35L-2,**	2m long punched
End section	**FIW 2,5**		**FIW 2,5**	
End section with rail-holder				
screwable jumper	**FVB2-2** **FVB2-3** **FVB2-10**	2 poles 3 poles 10 poles		
Pluggable jumper	**FVBST2-2** **FVBST2-3** **FVBST2-10**	2 poles 3 poles 10 poles		
Identification labels, strips of ten	**HPK5U** (blank)* **HPK5B** (printed)*		**HPK5U** (blank)* **HPK5B** (printed)*	
Partition wall (for electr.disconnection)	**FITW2,5**		**FITW2,5**	

Screwless through-terminal

4 mm²

neutral-wire separator terminal



Type	blue	**IFTR4**
Terminal thickness	6.2 mm	
DIN rail	top hat rail N 35	
Connection type	1 cage clamp connection and 1 neutral	
Conductor sizes	0.25 up to 4 mm² and with TWIN tubular end sleeves 0.5 up to 1 mm²	
Rated cross section	4 mm²	
Voltage acc. to UL and CSA		
Current rating acc.to VDE 0611/UL/CSA		
Insulating material	PA - V0	

Accessories

Top hat rail	**N35-2,** **N35L-2,**	2m long punched
End section	**FIW4**	
End section with rail-holder	**FIWTR4**	
screwable jumper		
Pluggable jumper		
Identification labels, strips of ten	**HPK6U** (blank)* **HPK6B** (printed)*	
Partition wall (for electr.disconnection)		