

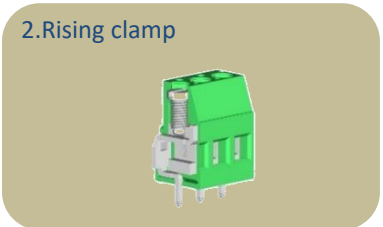
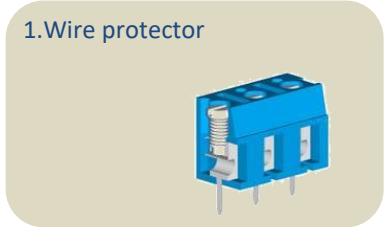
Amphenol **ANYTEK**

PRODUCTS OVERVIEW PRESENTATION

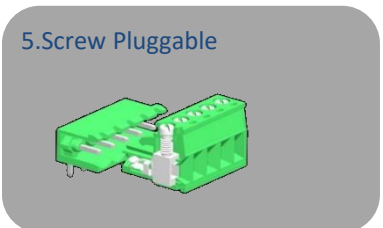
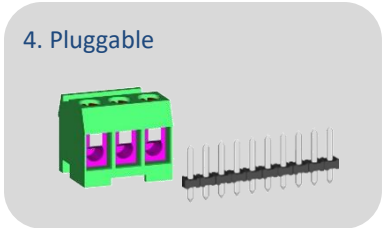
PRODUCT OVERVIEW

1 - EURO TYPE TERMINAL BLOCKS

Fixed type, soldered onto PCB and connect wire directly



Pluggable type, matched male and female realize wiring







2 - OTHER SPECIALS

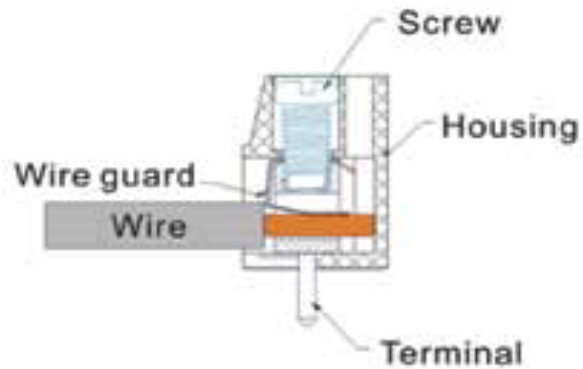
3 - BARRIER TYPE TERMINAL BLOCKS



1 - SUMMARY OF EURO PRODUCTS FAMILY

Spring Clamp soldering TB	 NQ Series	 HM Series	 HQ Series	 NI Series	 HT Series	 NZ Series
Spring Clamp Plugs	 HI Series	 HW Series	 KD Series	 NL Series	 ND Series	 KF Series
Rising Screw Clamp Soldering TB	 YO Series	 YF Series	 YQ Series	 YA Series	 TR Series	 K9 Series
Rising Screw Clamp Plugs	 TJ Series	 *E5 6.35	 ET Series	 TS Series	 VM Series	 KX Series
Header	 OQ Series	 VK Series	 KE Series	 NR Series	 KS Series	 KU Series

1.1 WIRE PROTECTOR SYSTEM



BASIC SPECIFICATION

Pitch (mm)	: 3.5, 3.81, 5.0, 5.08, 6.35, 7.5, 7.62, 10.0, 12.5
Rated Voltage Range (cULus)	: 125V to 300V
Rated Current Range (cULus)	: 10A to 57A

MAIN FEATURES

Basic poles, easily to assemble into different positions according to customers' requirement.

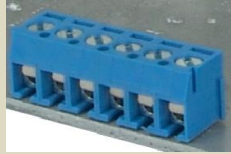
WIRE PROTECTOR PRODUCTS

Standard type with screw and wire insert on different side

90D,TF SERIES



180D,TE SERIES



45D,KZ SERIES



Front type with screw and wire insert on the same side

90D, TR SERIES



180D, TR SERIES



High temperature

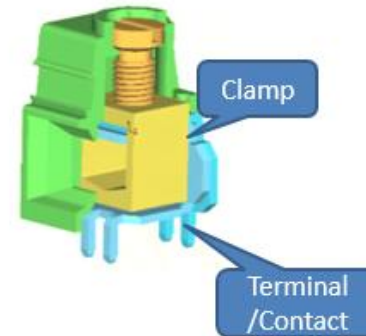
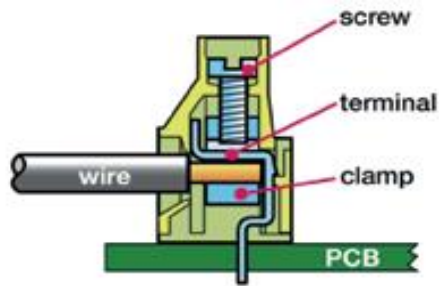
EC 3.5 SMT WITH PILLAR



EC 3.5 SMT WIHOUT PILLAR



1.2 RISING CLAMP SYSTEM



BASIC SPECIFICATION

Pitch (mm)	: 2.54, 3.5, 3.81, 5.0, 5.08, 6.35, 7.5, 7.62, 9.52, 10.16, 12.7, 15.0, 19.0
Rated Voltage Range (cULus)	: 150V to 600V
Rated Current Range (cULus)	: 6A to 127A

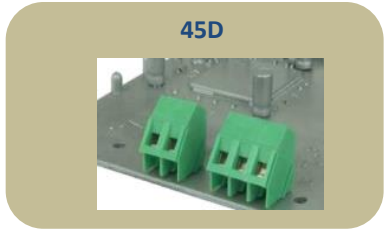
MAIN FEATURES

The solder PIN (contact) and metal housing (clamp) are separated , which can prevent torque transmit to solder point when fastening screw.

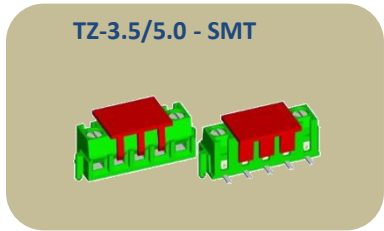
The contact has large contact area between wire and contact, which brings larger wiring capacitance and better reliability

RISING CLAMP PRODUCT

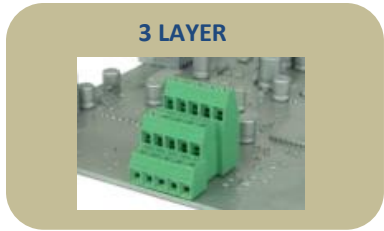
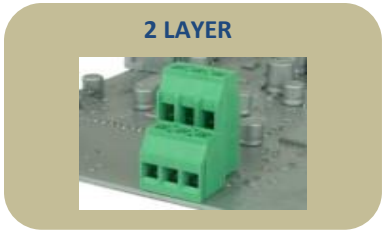
Various wiring way to meet customers' demand



Special connecting way



Two/ three/four layers



RISING CLAMP PRODUCTS

High Temp version

VP PITCH 10,6/12,7MM



EI -15.0MM



EJ-19.0



K9 -15.0MM



1.3 SPRING CLAMP SYSTEM

Cage Clamp type

Use screwdriver or press lever down to connect wire



BASIC SPECIFICATION

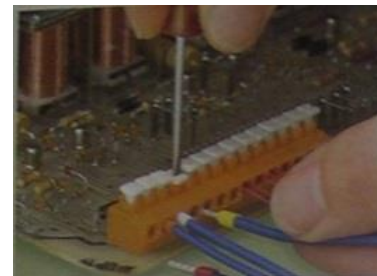
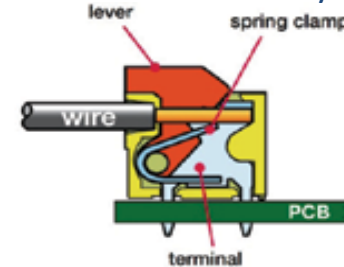
Pitch (mm)	: 2.5, 2.54, 3.0, 3.5, 3.81, 3.96, 4.0, 4.5, 4.57, 5.0, 5.08, 5.75, 7.0, 7.5, 7.62, 10.0, 10.16, 12.7, 15.0, 20.0
Rated Voltage Range (cULus)	: 150V to 600V
Rated Current Range (cULus)	: 2A to 65A

MAIN FEATURES

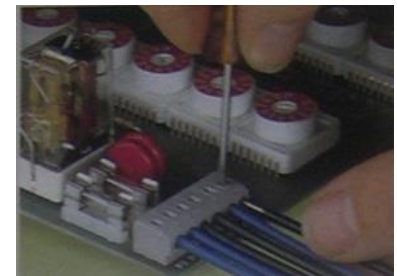
Save wiring time (40%) and exempt routine inspection, Strong clamping force and Anti-vibration;

Vane type (Push-in)

Solid wire and stranded wire with ferrule can be inserted directly



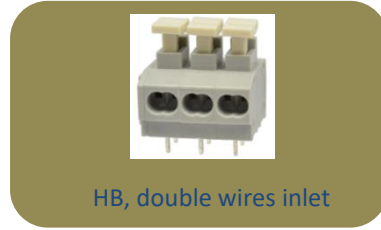
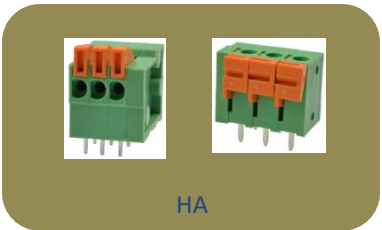
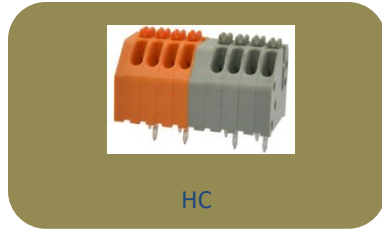
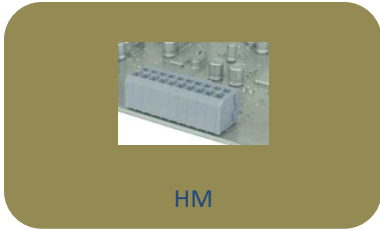
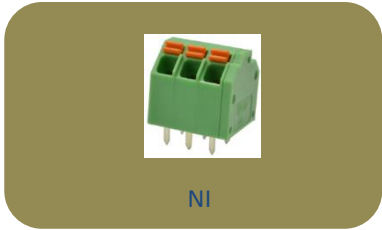
With lever



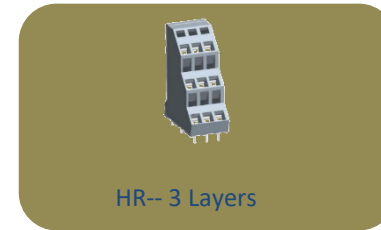
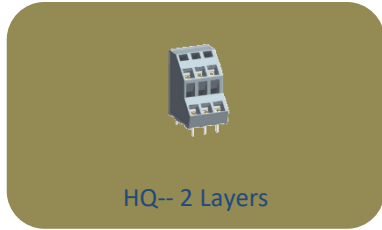
W/O lever

SPRING CLAMP PRODUCTS

Single layer type




Multiple layers solutions for narrow wiring room application




SPRING CLAMP PRODUCTS

H7 series double wire entry – 300V/8A rated/AWG16-20

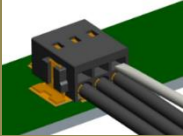


Insert solid wire directly

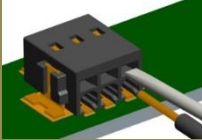


Press wire with screwdriver

Designed for LED lighting application – SMT/T&R/PUSH-IN for solid wires/low profile design



Insert wire for NQ2.5&4.0



Remove wire for NQ2.5&4.0

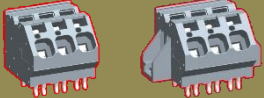


Remove wire for NQ3.0



AQ Handle
AW0000F00001G

High current version



H8 series,37A
Pitch:10.0/15.0/20.0 mm
Rated V/A: 300V/37A

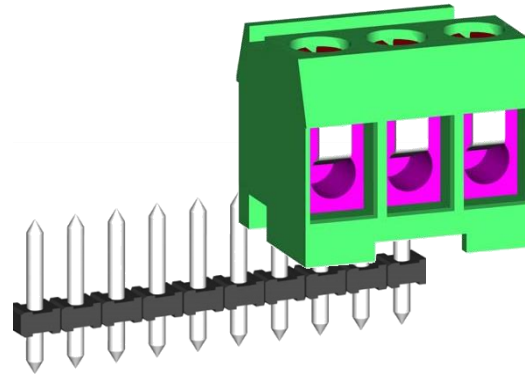
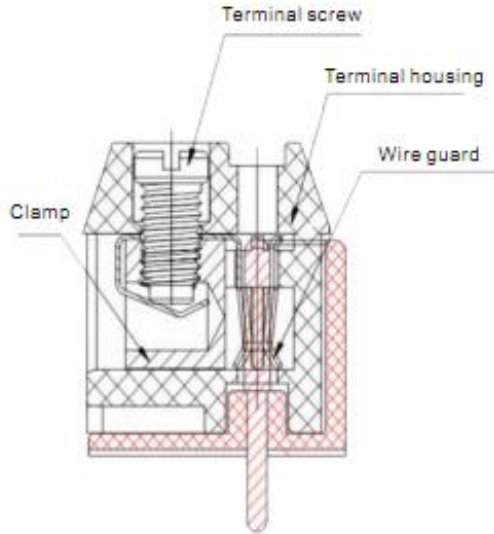


NP series,50A
Pitch:10.0mm
Rated V/A: 600V/50A



NZ series,65A
Pitch:10.0/15.0mm
Rated V/A: 600V/65A

1.4 PLUGGABLE SYSTEM



BASIC SPECIFICATION

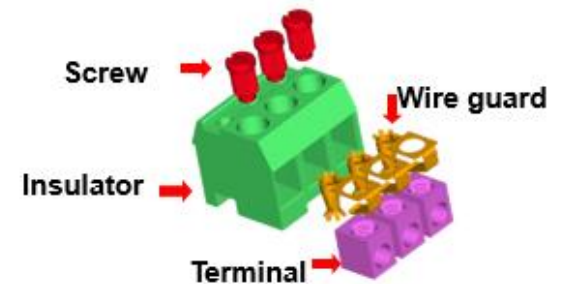
Pitch (mm): 3.5, 3.81, 5.0, 5.75, 8.0

Rated Voltage Range (cULus): 150V to 300V

Rated Current Range (cULus): 2A to 15A

MAIN FEATURES:

Low cost solution for pluggable application



PLUGGABLE PRODUCTS

Screw wiring plugs:



TH3.5/3.81/5.0



TX 5.0



NY

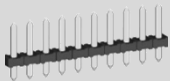


NU



NS

Low cost series



OP /OL series



KG series

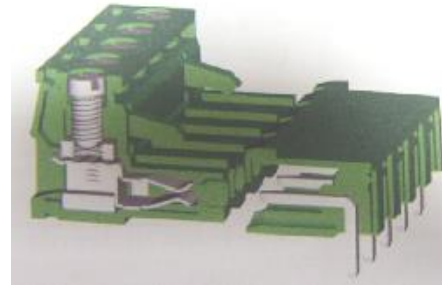
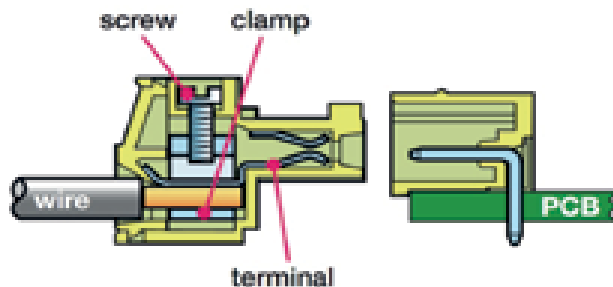


EX series



FW series, SMT type

1.5 SCREW PLUGGABLE SYSTEM



BASIC SPECIFICATION

Pitch (mm): 3.5, 3.81, 5.0, 5.08, 7.5, 7.62, 10.16, 15.0

Rated Voltage Range (cULus): 300V to 600V

Rated Current Range (cULus): 8A to 115A

MAIN FEATURES:

Convenient for field wiring.

Easily to maintain for customer

SCREW PLUGGABLE PRODUCTS

Plugs:



TJ-3.5/3.81/5.0/5.08/7.5/7.62



TS-3.5/3.81/5.0/5.08/7.5/7.62



EM-5.0/5.08/7.5/7.62



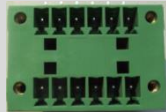
VM-3.5/3.81/5.0/5.08/7.5/7.62

PCB:



OQ SERIES

Pitch:2.5/3.5/3.81/5.0/5.08/7.5/7.62



VL SERIES----double layers

Pitch:2.5/3.5/3.81/5.0/5.08

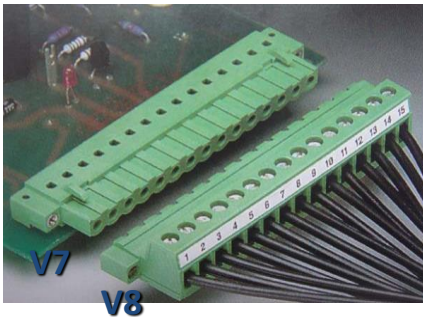
Usual THT type for wave soldering;

High temperature THR type for reflow soldering.

SCREW PLUGGABLE PRODUCTS – WIRE TO BOARD



TJ/TS/VM +OQ



Reverse contact design:

Female V7 soldered onto PCB

Male V8 connecting wire

V7 Pitch 3.5/3.81/5.0/5.08/7.5/7.62

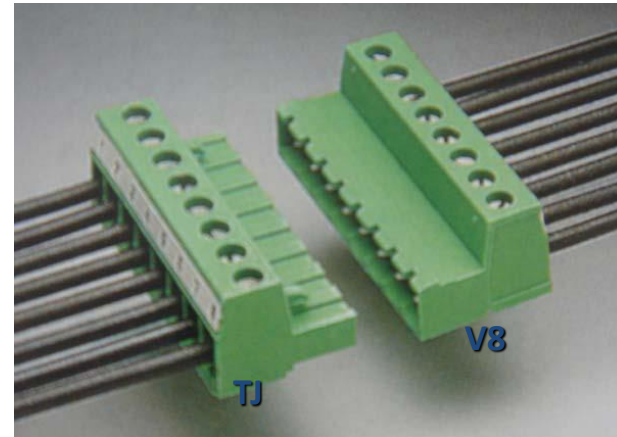
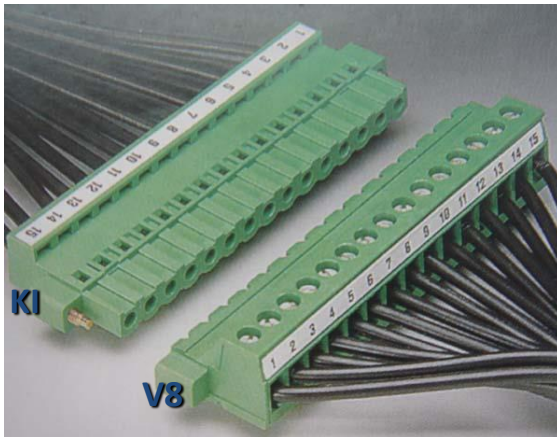
V8 Pitch 3.81/5.08/7.62

After V8+V7 are plugged, they can form a PCB output terminal that prevents fingers touching, which also has the advantage of anti-vibration.

SCREW PLUGGABLE PRODUCTS – WIRE TO WIRE

KI Pitch 3.81/5.08

V8 Pitch 3.81/5.08/7.62



After V8+KI and V8+TJ are plugged, they can construct a connection with anti-vibration performance which can prevent fingers touching.

SCREW PLUGGABLE PRODUCTS – BOARD TO BOARD

Reverse contact design:

Female V7 :soldered onto PCB

Male OQ :also soldered onto PCB



OQ

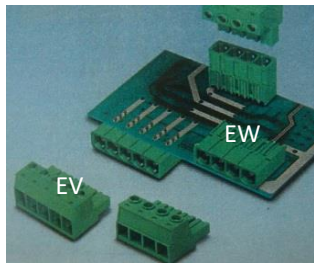
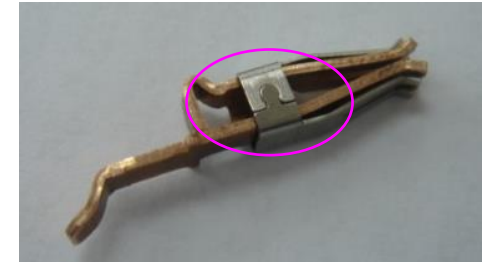
V7

SCREW PLUGGABLE PRODUCTS – POWER TYPE

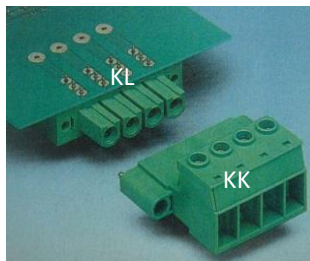
Features:

1. High conductivity alloy support big current loading
2. Adding stainless steel ring to prevent contact deformation due to big insertion force.

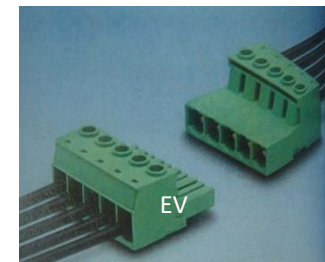
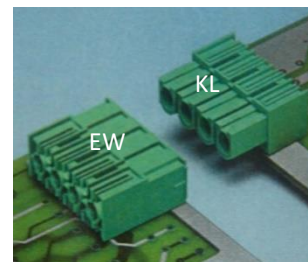
VB/VC/ET/EV/EW/KK/KL/KJ Series



Wire to board connecting



Board to board connecting



Wire to wire connecting

SCREW PLUGGABLE PRODUCTS – SPECIALS

Feed-through type: VZ 3.81/5.08&VC 7.62 (2p-24p/300v rated/up to 10A)



VZ 3.81/5.08



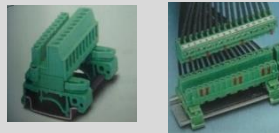
VC 7.62

For this feed-through design, the PIN can not only be used in soldering but also achieve the rapid connection of 2.8mm flat terminal and improve efficiency

DIN RAIL holder type



V5 series

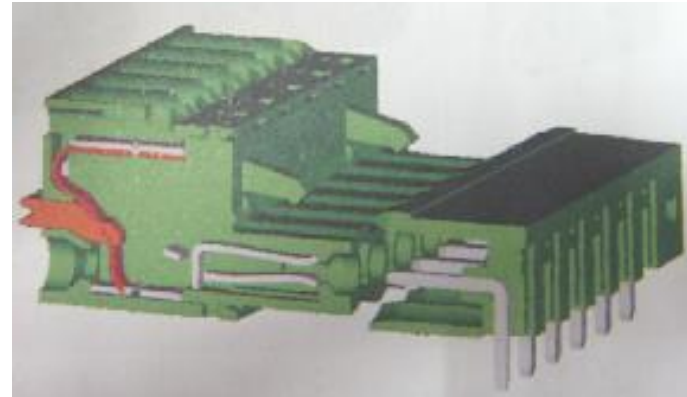
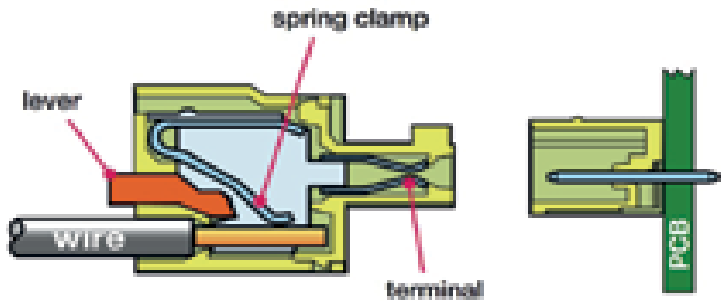


V9 series

Install on Din rail 35/15 mm width



1.6 SPRING CLAMP SYSTEM



Pitch (mm): 2.5, 3.5, 3.81, 5.0, 5.08, 7.5, 7.62
 Rated Voltage Range (cULus): 150V to 300V
 Rated Current Range (cULus): 4A to 15A

SPRING CLAMP PRODUCTS

Standard products



HW, push-in type
Pitch:2.5/3.5/3.81/5/5.08/7.5/7.62



H4, push-in type
Pitch:5.0/5.08

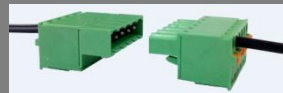


HI, spring clamp type
Pitch:5.0/7.5/7.62

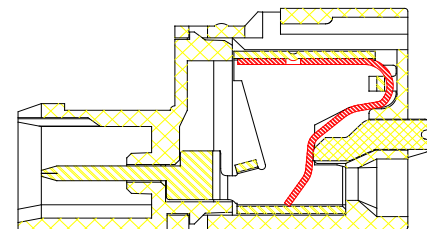
Reverse contact structure



V7 & V5
prevent finger touch for PCB side

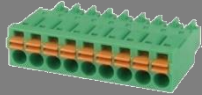


H5 & HW
Wire to wire connecting:

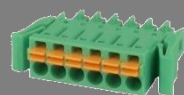


SPRING CLAMP COMPACT PRODUCTS

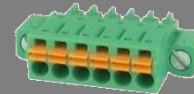
KD 3.5 Mini Terminal Blocks



Without flange type



With latch type



With flange type



7.8mm



Match KE double layers header



Match K3 triple layers header

FEATURES

1. Fast connecting wire, rigid wire or flexible wire with ferrule can be inserted directly;
2. Ultrathin design can save 33% room (Width: KD is 7.8mm, HW 3.5 is 11.8mm)

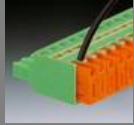
NR+NL, the narrowest structure



NR,THR, NL type

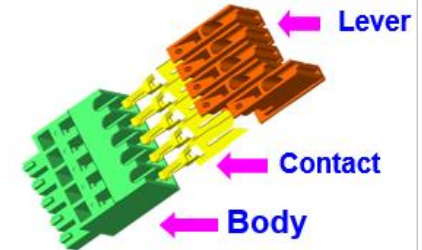
SPRING CLAMP PRODUCTS SPECIAL PRODUCTS

IDC Type



HP3.81/5.08 Series

This design can improve 60% of efficiency. the contact will strip wire automatically and finish connecting after inserting wire and pressing lever down.



Golden finger series



ND SERIES



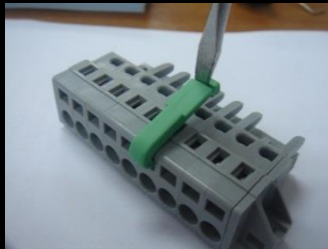
KF SERIES

1.7 ACCESSORIES

AK Handle



replace screwdriver to
open clamp for HI/NB
products



AH Coding key



installed in OQ Body, for
mistake-proofing function.



AE KEY



Pitch 5.0/5.08/7.5/7.62 Series

Female T/B Key

AF KEY



Pitch 5.0/5.08/7.5/7.62 Series

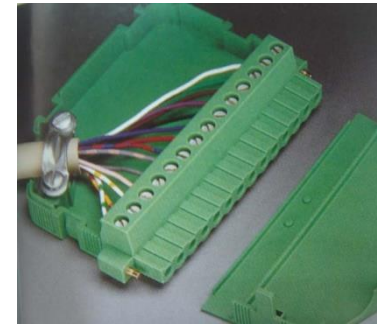
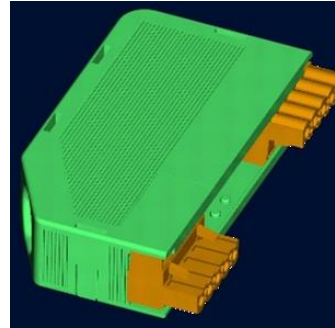
Male header Key

2. OTHER SPECIALS

AD 5.08 Series Terminal box

FEATURES

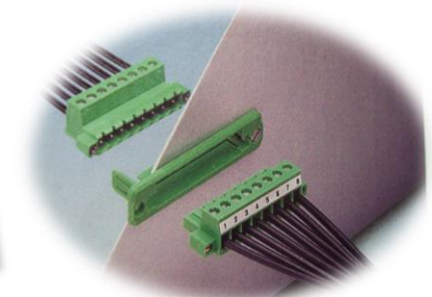
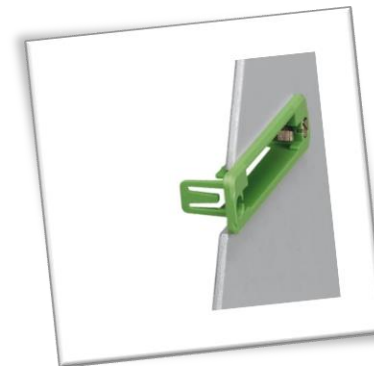
1. Be good for grasp with hands.
2. Provide good tensile protection for wire inserted into plugs.
3. Use binding strip and wire snap ring to relieve the tensile force.



Poles: 16p, 18p

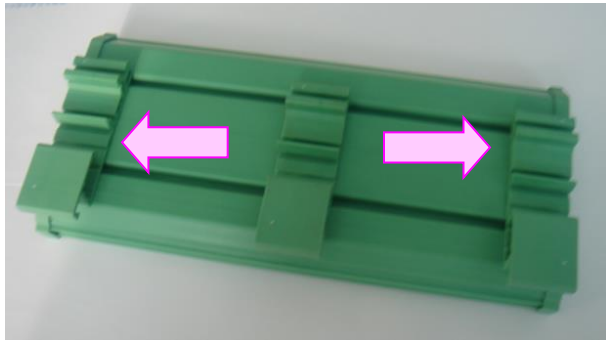
AS SERIES through board holder

Match V8 or H5 can fix V8&H5 onto board, then match TJ or HW realize wire to wire connecting.



OTHER SPECIALS

AL series PCB holder



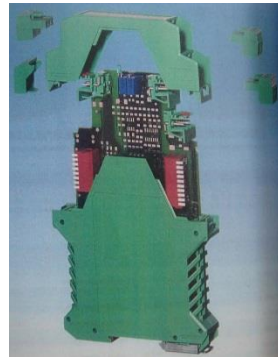
1. Single or double level design that has stronger load-bearing force.
2. The sliding bracket is to increase the load-bearing force of track with long spec



Application: PLC I/O interface

OTHER SPECIALS

AN Series PCB housing



Male plugs
Female header
Current product line

: EU 4P(Right/Left)
: TJ 5.0 4P (Contact on up side)
: 2P(width 12.5mm)
: 3P(width 17.5mm)
: 4P(width 22.5mm)

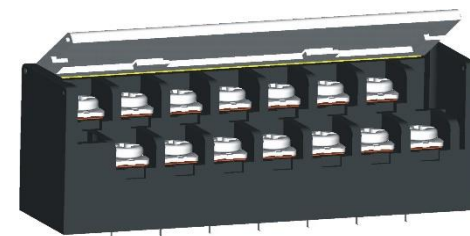
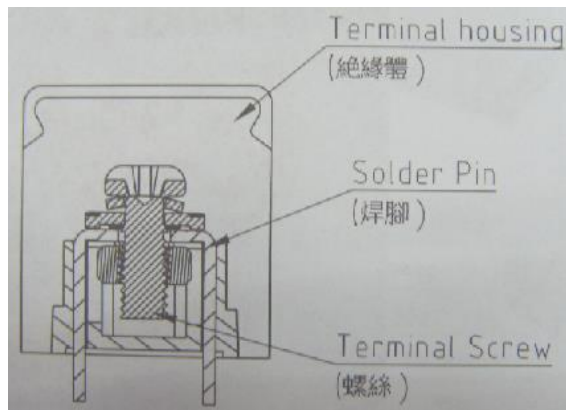
AM Series PCB housing



Male header
Female T/B

: EU 3P/4P(Right/Left)
: TJ 5.0 3P/4P
(Contact on up side)

BARRIER TERMINAL BLOCK

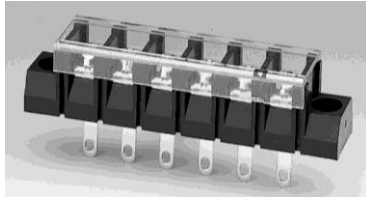


Pitch (mm): 6.35, 7.62, 8.25, 9.5, 9.52, 10.0, 11.0, 12.7, 15.0, 16.0
Rated Voltage Range (cULus): 250V to 600V
Rated Current Range (cULus): 10A to 140A

BARRIER TERMINAL BLOCK

With cover type

YK-30,YK-40,YK-50,YK-60,YK-70 Series



Two wiring way:

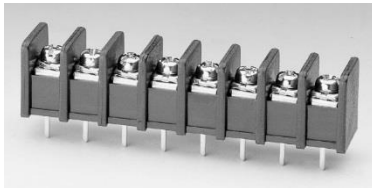
1-Weld wire directly when fixed onto board through flange

2-Solder onto PCB

Cover is dustproof, which can prevent electric shock and extend product lifetime;

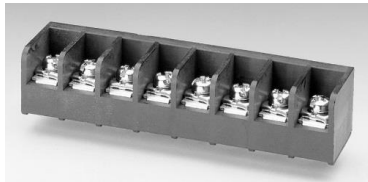
PCB type terminal block

YK-21,YK-31,YK-41,YK-51,YK-61,YK-71 Series



Back closed type:

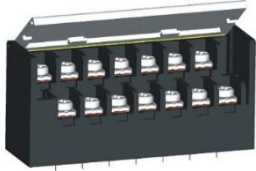
YK-22,YK-33,YK-44,YK-55,YK-88 Series



BARRIER TERMINAL BLOCK

Pluggable type

YK66, 2*2P~2*21P



Pitch: 7.62mm

300V/15A

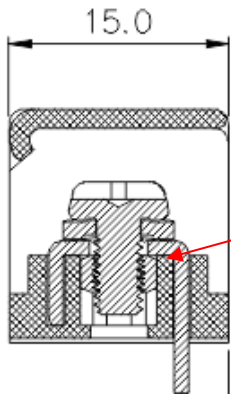
YK77, 2*2P~2*15P



Pitch: 9.52mm

300V/10A

New design products



With nut designing to avoid contact moving when screwing

YK50B



YK44B,
With hole on cover, Backside closed



RAW MATERIAL HOUSING

Insulator raw material:

The main insulating material of Anytek terminal blocks is imported PA66 which is provided with stable physical property, self-extinguishing property (Conform to UL94V-0), and outstanding anti-leakage breakdown. In addition, the materials Anytek used are all in accordance with the relevant requirements of RoHS.



UL Yellow Card

Note:

High temperature raw material:
PA4T,PA46,PA6T,PA9T,LCP

Component - Plastics

E86034

FRISSETTA POLYMER GMBH & CO KG
NIEDERMATT 11, UTZENFELD 79694 DE

A 63 R V0 (a)(b)

Polyamide 66 (PA66), unfilled, "FRIANYL", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.38	V-0	4	1	130	105	115
	0.75	V-0	4	0	130	105	120
	1.5	V-0	4	0	130	105	120
	3.0	V-0	3	0	130	105	120

Comparative Tracking Index (CTI): 0

Dimensional Stability (%): 0.0

High-Voltage Arc Tracking Rate (HVTR): 0

High Volt, Low Current Arc Resis (D495): 5

Dielectric Strength (kV/mm): 25

Volume Resistivity (10⁸ ohm-cm): 13

(a) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics.

(b) - Virgin and regrind up to 100% by weight inclusive, have the same basic characteristics with respect to flammability.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2002-12-13

Last Revised: 2009-12-10

Underwriters Laboratories Inc®



RAW MATERIAL CONTACTS

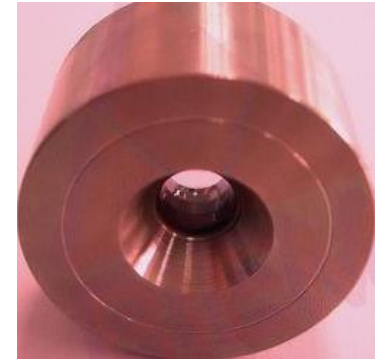
Conductor raw material:

Use electrolytic copper for conductor mostly, which has good electric conduction and chemical stability, but doesn't have the risk of broken under pressure. The electric conductivity of C5210 is 14%IACS~16%IACS.

High conductivity copper (47%IACS) is also used in some products. Besides, in order to tap the conductor directly, some conductors are brass type to strengthen the thread's ability to undertake torque.

Surface treatment:

we adopt the tin alloy coating which can form airtight connection on contact surface to make the contact resistance stable in a long term. Moreover, the surface treatment can protect the soldering ability of PIN in wiring terminals and connectors.



All metal parts used are in accordance with RoHS.



HOW TO SELECT A PRODUCT

- Connecting type: wire to board, board to board, wire to wire
- Normal temp type or high temp type
- Fixed type or pluggable type
- Fixed type: one/two/three levels single or double row terminal
- Pluggable type: normal pluggable (plugs is female and header is male)
or reverse pluggable (Plugs is male and header is female)
- Screw type or spring connecting wire type
- Pitch: 2.5/3.5/3.81/5.0/5.08/7.5/7.62/10.16/15.0/20.0
- Wire size: AWGxx-xx (such as AWG12-24)
- Wire inserting way:90D/180D/45D compared with PCB
- Rated voltage & current
- Color of body
- Special requirement:
 - Gold plating for terminal,
 - Heighten body or terminal
 - Jumping design for terminal



You can contact our sales for any need!