

Type 601

Description
Springclasp system provides constant contact resistance and gas tight connection. 5mm spacing and is available in seven different colors.

Electrical/Technical Data (according to UL/CSA)

Voltage: 250V - 5mm
Current: 13A
Wire range: 14-28 AWG
Pin Diameter: .8 mm x 1.0 mm
PCB hole diameter: 1.4 mm
Wire strip length: 6 mm
Housing: UL 94V-0

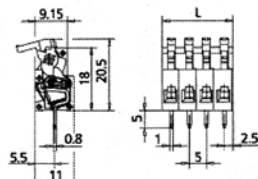
Spring clamp: stainless chrome molybdenum steel
Contact pin: copper alloy, tin pl.
Pole size: 2

Shipped wire ready for tool-less operation

SPRINGCON®

316011xx=Pole Size

(2-24)



Designed to VDE 0110

Type 602

Description
Springclasp system provides constant contact resistance and gas tight connection. 2.5mm spacing and is available in seven different colors.

Electrical/Technical Data (according to UL/CSA)

Voltage: 125V - 2.5mm
Current: 4A
Wire range: 20-28 AWG
Pin Diameter: .8 mm square
PCB hole diameter: 1.3 mm
Wire strip length: 6 mm
Housing: UL 94V-0

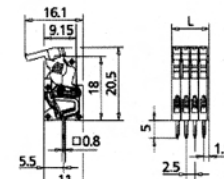
Spring clamp: stainless chrome molybdenum steel
Contact pin: copper alloy, tin plated
Pole size: 2 - 24

Shipped wire ready for tool-less operation

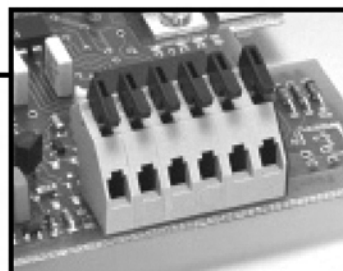
SPRINGCON®

316021xx=Pole Size

(2-24)



Designed to VDE 0110



Type 605

Description
Pluggable spring-clamp system provides constant contact resistance and gas tight connection. 5mm spacing and is available in seven different colors.

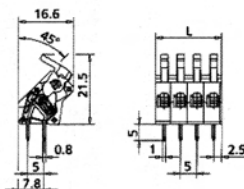
Electrical/Technical Data (according to UL/CSA)

Voltage: 250V - 5mm
Current: 13A
Wire range: 14-28 AWG
Square Pin: .8 mm x 1.0 mm
PCB Hole Diameter: 1.4 mm
Wire strip length: 6 mm
Housing: UL 94V-0

Spring clamp: stainless chrome molybdenum steel
Contact pin: copper alloy, tin plated
Pole size: 2 - 24

Shipped wire ready for tool-less operation

SPRINGCON®



Designed to VDE 0110

Type 607

Description
Pluggable spring-clamp system provides constant contact resistance and gas tight connection. 5mm spacing and is available in seven different colors.

Electrical/Technical Data (according to UL/CSA)

Voltage: 300V - 5mm
Current: 10A
Wire range: 18-28 AWG
Wire strip length: 4 mm
Housing: UL 94V-0

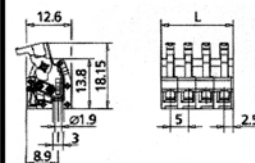
Spring clamp: stainless chrome molybdenum steel
Contact pin: copper alloy, tin plated
Pole size: 2 - 24

Shipped wire ready for tool-less operation

SPRINGCON®

316071xx=Pole Size

(2-24)



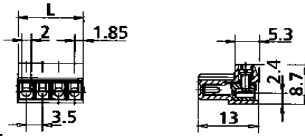
Designed to VDE 0110

3.5mm High Density Pluggable Terminal Block

UL/CSA Recognized Designed to VDE 0110



Type 169
with wire protection



Description

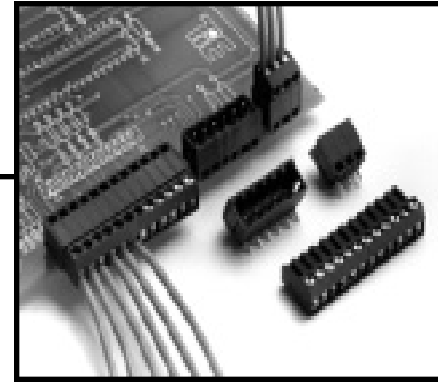
High density, low profile connector provides reliable electrical and mechanical connection. Integral coding feature prevents loss of a circuit. Screws are captive in the molding.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range
-40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, nickel plated
Contact: CuNi18 Zn20, gold plating of the contact area available
Screw: M2, steel, nickel over copper plating
optional: brass, nickel plated - consult factory

Technical Data

(according to UL/CSA)
Voltage:
Pin spacing 3.5mm: 250V
Pin spacing 7mm: 300V
Maximum current: 10A
Wire range: 28-18AWG
Recommended tightening torque: 3 lb-in
Wire strip length: 5mm



Part Numbers Standard Style

Pin Spacing 3.5mm

Circuits	Type 169	Circuits	Type 169	Circuits	Type 169
2	31 169 102	10	31 169 110	18	31 169 118
3	31 169 103	11	31 169 111	19	31 169 119
4	31 169 104	12	31 169 112	20	31 169 120
5	31 169 105	13	31 169 113	21	31 169 121
6	31 169 106	14	31 169 114	22	31 169 122
7	31 169 107	15	31 169 115	23	31 169 123
8	31 169 108	16	31 169 116	24	31 169 124
9	31 169 109	17	31 169 117		

3.5mm High Density Headers

(Mates with above Terminal Block)

UL/CSA Recognized Designed to VDE 0110



Type 180
horizontal mounting
round contact pins $\varnothing 1\text{mm}$



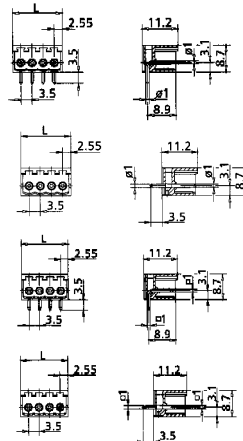
Type 181
vertical mounting
round contact pins $\varnothing 1\text{mm}$



Type 182
horizontal mounting
square contact pins $\square 1\text{mm}$



Type 183
vertical mounting
square contact pins $\square 1\text{mm}$



Description

High density centerline header. Headers available in vertical or horizontal mounting for type 169.

The round contact pins of type 180 and type 181 are pressed in a plastic housing.

The square contact pins of type 182 and type 183 are pressed in a plastic housing.
Pin spacing of soldering pins 3.5mm and 7mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range
-40 oF (-40 oC) to + 257 oF (125 oC)
short time up to 365 oF (185 oC)
Contact pin: Brass, 5um silver plating over 2um nickel plating; tin plating and other gold plating options are available

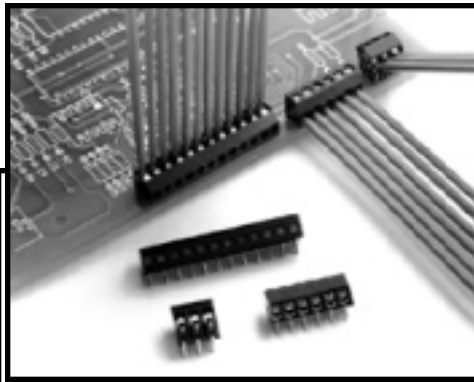
Technical Data

(according to UL/CSA)
Voltage:
Pin spacing 3.5mm: 300V
Pin spacing 7mm: 300V
Maximum current: 10A
Pin diameter: $\varnothing 1.0\text{mm}$ (round pins)
 $\square 1.0\text{mm}$ (square pins)
 $\varnothing 1.0\text{mm}$ (round pins)
 $\square 1.0\text{mm}$ (square pins)
Recommended pc hole diameter: 1.3 mm (round pins)
1.5 mm (square pins)
Pc pin length: 3.5mm

Part Numbers Standard Style

Pin Spacing 3.5mm

Circuits	Type 180	Circuits	Type 180	Circuits	Type 180
2	31 180 102	10	31 180 110	18	31 180 118
3	31 180 103	11	31 180 111	19	31 180 119
4	31 180 104	12	31 180 112	20	31 180 120
5	31 180 105	13	31 180 113	21	31 180 121
6	31 180 106	14	31 180 114	22	31 180 122
7	31 180 107	15	31 180 115	23	31 180 123
8	31 180 108	16	31 180 116	24	31 180 124
9	31 180 109	17	31 180 117		
Circuits	Type 181	Circuits	Type 181	Circuits	Type 181
2	31 181 102	10	31 181 110	18	31 181 118
3	31 181 103	11	31 181 111	19	31 181 119
4	31 181 104	12	31 181 112	20	31 181 120
5	31 181 105	13	31 181 113	21	31 181 121
6	31 181 106	14	31 181 114	22	31 181 122
7	31 181 107	15	31 181 115	23	31 181 123
8	31 181 108	16	31 181 116	24	31 181 124
9	31 181 109	17	31 181 117		
Circuits	Type 182	Circuits	Type 182	Circuits	Type 182
2	31 182 102	10	31 182 110	18	31 182 118
3	31 182 103	11	31 182 111	19	31 182 119
4	31 182 104	12	31 182 112	20	31 182 120
5	31 182 105	13	31 182 113	21	31 182 121
6	31 182 106	14	31 182 114	22	31 182 122
7	31 182 107	15	31 182 115	23	31 182 123
8	31 182 108	16	31 182 116	24	31 182 124
9	31 182 109	17	31 182 117		
Circuits	Type 183	Circuits	Type 183	Circuits	Type 183
2	31 183 102	10	31 183 110	18	31 183 118
3	31 183 103	11	31 183 111	19	31 183 119
4	31 183 104	12	31 183 112	20	31 183 120
5	31 183 105	13	31 183 113	21	31 183 121
6	31 183 106	14	31 183 114	22	31 183 122
7	31 183 107	15	31 183 115	23	31 183 123
8	31 183 108	16	31 183 116	24	31 183 124
9	31 183 109	17	31 183 117		

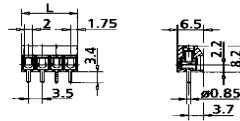


3.5mm High Density Pluggable Terminal Block

Type 59

with wire protection

UL/CSA Recognized
Designed to VDE 0110



Description

The miniature terminal block is the smallest terminal block available on the market.
Screws have anti-vibration feature.
Pin spacing of the solder pins is 3.5mm and 7mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range: -40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, tin over nickel plating
Screw: M2, steel, nickel over copper plating
optional: brass, nickel plated - consult factory
Wire protector: Phosphor bronze, tin plated

Part Numbers Standard Style

Pin Spacing 3.5mm

Circuits	Type 59	Circuits	Type 59		
2	31 059 102	10	31 059 110		
3	31 059 103	11	31 059 111		
4	31 059 104	12	31 059 112		
5	31 059 105	13	31 059 113		
6	31 059 106	14	31 059 114		
7	31 059 107	15	31 059 115		
8	31 059 108	16	31 059 116		
9	31 059 109				

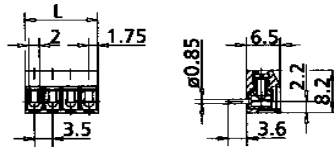
Technical Data

(according to UL/CSA)

Voltage: 125V
Pin spacing 3.5mm: 300V
Pin spacing 7mm: 10A
Maximum current: 28-18AWG
Wire range: Recommended
Tightening torque: 3 lb-in
Pin diameter: .85 mm
Recommended pc hole diam: 1.2mm
Wire strip length: 5mm

Wire Entry Vertical to PC board

- High Density
- Side Stackable



Type 61

with wire protection

UL/CSA Recognized
Designed to VDE 0110

Description

The miniature terminal block is the smallest terminal block available on the market.
Screws have anti-vibration feature.
Pin spacing of the solder pins is 3.5mm and 7mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range: -40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, tin over nickel plating
Screw: M2, steel, nickel over copper plating
optional: brass, nickel plated - consult factory
Wire protector: Phosphor bronze, tin plated

Part Numbers Standard Style

Pin Spacing 3.5mm

Circuits	Type 61	Circuits	Type 61		
2	31 061 102	10	31 061 110		
3	31 061 103	11	31 061 111		
4	31 061 104	12	31 061 112		
5	31 061 105	13	31 061 113		
6	31 061 106	14	31 061 114		
7	31 061 107	15	31 061 115		
8	31 061 108	16	31 061 116		
9	31 061 109				

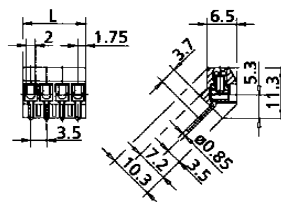
Technical Data

(according to UL/CSA)

Voltage: 125V
Pin spacing 3.5mm: 300V
Pin spacing 7mm: 10A
Maximum current: 28-18AWG
Wire range: Recommended
Tightening torque: 3 lb-in
Pin diameter: .85 mm
Recommended pc hole diam: 1.2mm
Wire strip length: 5mm

Wire Entry 45° to PC board

- High Density
- Side Stackable



Type 105

with wire protection

UL/CSA Recognized
Designed to VDE 0110

Description

The 45o miniature terminal block is the smallest terminal block available on the market.
Screws have anti-vibration feature.
Pin spacing of the solder pins is 3.5mm and 7mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range: -40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, tin over nickel plating
Screw: M2, steel, nickel over copper plating
optional: brass, nickel plated - consult factory
Wire protector: Phosphor bronze, tin plated

Part Numbers Standard Style

Pin Spacing 3.5mm

Circuits	Type 105	Circuits	Type 105		
2	31 105 102	10	31 105 110		
3	31 105 103	11	31 105 111		
4	31 105 104	12	31 105 112		
5	31 105 105	13	31 105 113		
6	31 105 106	14	31 105 114		
7	31 105 107	15	31 105 115		
8	31 105 108	16	31 105 116		
9	31 105 109				

Technical Data

(according to UL/CSA)

Voltage: 125V
Pin spacing 3.5mm: 300V
Pin spacing 7mm: 10A
Maximum current: 22-18AWG
Wire range: Recommended
Tightening torque: 3 lb-in
Pin diameter: .85mm
Recommended pc hole diam: 1.2mm
Wire strip length: 5mm

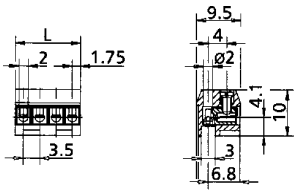
3.5mm High Density Pluggable Terminal Block



Type 166
with wire protection

Description
High density terminal block. Low cost. Low contact resistance.
Captive screws.
Accessories:
Header type 224 and 226 for vertical mounting.
Header type 225 with right angle pin
Mounting flanges no. 72015801 and no. 72015802
Coding pin no. 72015901 and no. 72015902

Materials
Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range -40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, 4 um nickel plated
Contact: New silver (CuNi 18 Zn20)
Screw: M2, steel, nickel over copper plating
optional: brass, nickel plated - consult factory
Wire protector: New silver (CuNi 18 Zn20)



$L = (\text{number of circuits} - 1) \times \text{pin spacing} + 3.5 \text{ mm}$

Technical Data
(according to UL/CSA)
Voltage: 250V
Pin spacing 3.5 mm: 125V
Pin spacing 7 mm: 250V
Maximum current: 8A
Wire range: 26-18AWG
Recommended 3 lb-in
tightening torque: 3 lb-in
Contact resistance: $R < 10 \text{ m}\Omega$
 $I = 500 \text{ mA}$ after 100 cycles
Wire strip length: 5mm

UL/CSA Recognized Designed to VDE 0110

• Pluggable

Part Numbers Standard Style
Pin Spacing 3.5mm

Circuits	Type 166	Circuits	Type 166	Circuits	Type 166
2	31 166 102	10	31 166 110	18	31 166 118
3	31 166 103	11	31 166 111	19	31 166 119
4	31 166 104	12	31 166 112	20	31 166 120
5	31 166 105	13	31 166 113	21	31 166 121
6	31 166 106	14	31 166 114	22	31 166 122
7	31 166 107	15	31 166 115	23	31 166 123
8	31 166 108	16	31 166 116	24	31 166 124
9	31 166 109	17	31 166 117		

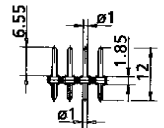
3.5mm High Density Headers (Mates with above Terminal Block)



Type 224
for vertical mounting

$L = (\text{number of circuits} - 1) \times \text{pin spacing} + 3.5 \text{ mm}$

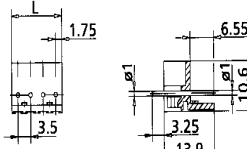
• Vertical Pin Strip (Type 224)



UL/CSA Recognized Designed to VDE 0110

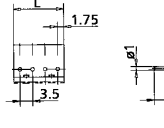
Part Numbers Standard Style
Pin Spacing 3.5mm

Circuits	Part No.
2	31224102
3	31224103
4	31224104
•	•
•	•
•	•
23	31224123
24	31224124



Type 226

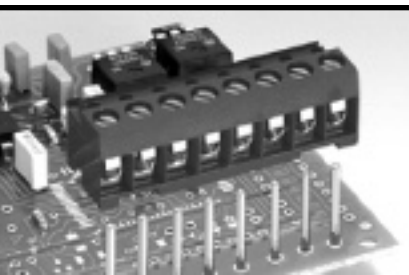
• Raised Base Header



UL/CSA Recognized Designed to VDE 0110

Part Numbers Standard Style
Pin Spacing 3.5mm

Circuits	Part No.
2	31226102
3	31226103
4	31226104
•	•
•	•
•	•
23	31226123
24	31226124

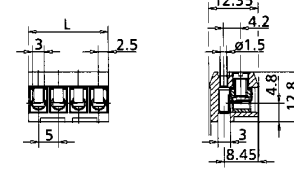


5 mm Pluggable Terminal Block with pins factory installed

Type 108

Description
Low cost terminal block with mating square pins pre-assembled in terminal block.

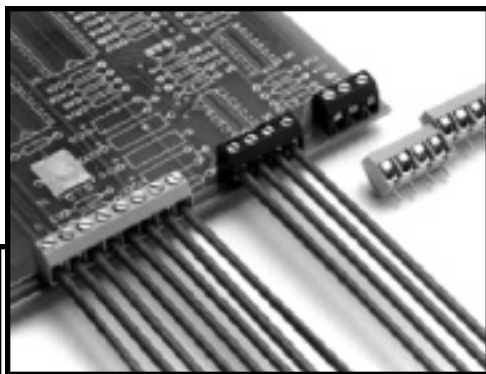
Materials
Wire Range: 12-28 AWG
Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range -40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, 4 um nickel plated
Contact: Tin bronze, tin plated
Standard M3, steel, chromate over zinc
terminal screw: plating optional: stainless steel
Wire protector: Tin bronze, tin plated



UL/CSA Recognized Designed to VDE 0110

Part Numbers Standard Style

Circuits	Type 108	Circuits	Type 108	Circuits	Type 108
2	31 108 102	10	31 108 110	18	31 108 118
3	31 108 103	11	31 108 111	19	31 108 119
4	31 108 104	12	31 108 112	20	31 108 120
5	31 108 105	13	31 108 113	21	31 108 121
6	31 108 106	14	31 108 114	22	31 108 122
7	31 108 107	15	31 108 115	23	31 108 123
8	31 108 108	16	31 108 116	24	31 108 124
9	31 108 109	17	31 108 117		



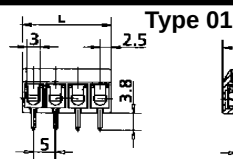
One Piece Terminal Blocks

Part Numbers Standard Style

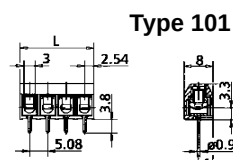
Pin Spacing 5mm

Circuits	Type 01	Circuits	Type 01	Circuits	Type 01
2	31 001 102	10	31 001 110	18	31 001 118
3	31 001 103	11	31 001 111	19	31 001 119
4	31 001 104	12	31 001 112	20	31 001 120
5	31 001 105	13	31 001 113	21	31 001 121
6	31 001 106	14	31 001 114	22	31 001 122
7	31 001 107	15	31 001 115	23	31 001 123
8	31 001 108	16	31 001 116	24	31 001 124
9	31 001 109	17	31 001 117		

Circuits	Type 101	Circuits	Type 101	Circuits	Type 101
2	31 101 102	10	31 101 110	18	31 101 118
3	31 101 103	11	31 101 111	19	31 101 119
4	31 101 104	12	31 101 112	20	31 101 120
5	31 101 105	13	31 101 113	21	31 101 121
6	31 101 106	14	31 101 114	22	31 101 122
7	31 101 107	15	31 101 115	23	31 101 123
8	31 101 108	16	31 101 116	24	31 101 124
9	31 101 109	17	31 101 117		



L = (number of circuits - 1)
x pin spacing + 5 mm



L = (number of circuits - 1)
x pin spacing + 5.08 mm

Technical Data

(according to UL/CSA)
Voltage:

Pin spacing 5mm/5.08mm: 300V
Pin spacing 10mm/10.16mm: 600V
Maximum current: 15A
Wire range: 28-14AWG
Recommended
tightening torque: 7 lb-in
Pin diameter: .9mm
Recommended pc hole dia.1.3mm
Wire strip length: 6mm

UL/CSA Recognized Designed to VDE 0110



Type 01
with wire protection
5 mm



Type 101
with wire protection
5.08 mm

Description

Screws have anti-vibration feature.

Pin spacing of the solder pins of Type 01 is 5 mm and 10 mm.
Terminal strips with up to 5 pins may also be used for pin spacing 5.08 mm, since the terminals are mounted "floating". Pin spacing of the solder pins of Type 101 is 5.08 mm and 10.16 mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range
-40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, tin over nickel plating
Screw: M3, steel, chromate over zinc plating
Wire protector: Phosphor bronze, tin plated

Modular Terminal Blocks with Dovetail Design (Build any size you desire)

- Low Cost
- Reduce Inventory

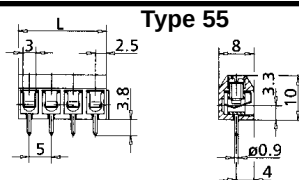
Part Numbers Standard Style

Pin Spacing 5mm

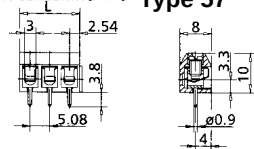
Circuits	Type 055				
2	31 055 102				
3	31 055 103				
4	31 055 104				

Pin Spacing 5.08 mm

Circuits	Type 057				
2	31 057 102				
3	31 057 103				



L = (circuits - 1) x centerline + 5



L = (circuits - 1) x centerline + 5.08

Technical Data
(according to UL/CSA)
Voltage:

Pin spacing 5mm/5.08mm: 300V
Pin spacing 10mm/10.16mm: 600V
Maximum current: 15A
Wire range: 28-14AWG
Recommended
tightening torque: 7 lb-in
Pin diameter: .9mm
Recommended pc hole dia.1.3mm
Wire strip length: 6mm

UL/CSA Recognized Designed to VDE 0110



Type 55
with wire protection
5 mm



Type 57
with wire protection
5.08 mm

Description

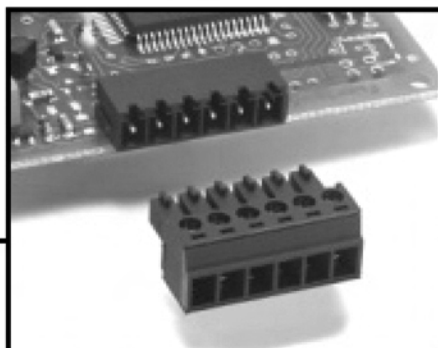
Dovetail construction for neat, secure assembly.

Screws have anti-vibration feature.

Pin spacing of the solder pins of Type 55 is 5 mm and 10 mm.
Pin spacing of the solder pins of Type 57 is 5.08 mm and 10.16 mm.

Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range
-40 oF (-40 oC) to + 257 oF (125 oC)
Terminal: Brass, tin over nickel plating
Screw: M3, steel, chromate over zinc plating
optional: brass nickel plated - consult factory
Wire protector: Phosphor bronze, tin plated



5 mm Pluggable Terminal Blocks with Lift System

Type 369 with lift system

Low Profile• Pluggable• Lift System

Description

Lift system for improved wire termination. Low profile pluggable terminal fits a variety of headers. Low contact resistance. Captive screws.

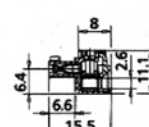
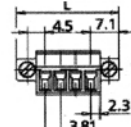
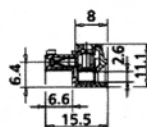
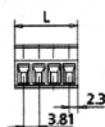
Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range

-40 oF (-40 oC) to + 257 oF (125 oC)

Terminal: Brass, nickel plated

Screw: M2 steel, nickel over copper plating



Designed to VDE 0110

Technical Data

(according to UL/CSA)

Voltage: 150V

Maximum current: 8A

Wire range: 16-28G

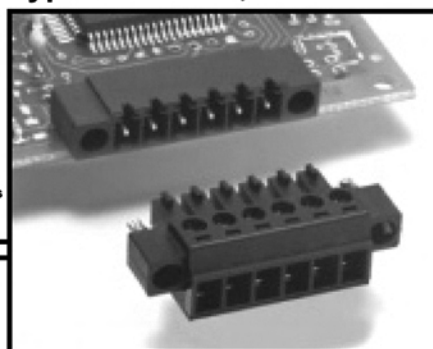
Recommended

Tightening torque: 3 lb-in

Contact resistance: $R < 5m\Omega = 500mA$ after 100 cycles

Wire strip length: 7mm

Type 379 with lift system

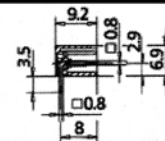
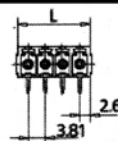


3.81 mm High Density Headers (Mates with above Terminal Blocks)



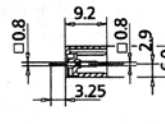
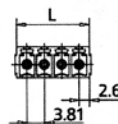
Type 382

for horizontal mounting



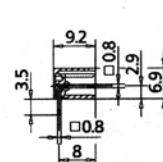
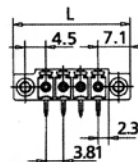
Type 383

for vertical mounting



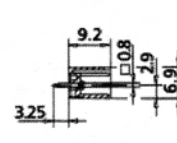
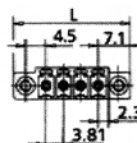
Type 392

for horizontal mounting



Type 393

for vertical mounting



Materials

Body: Polyamide 66, flame resistant and self-extinguishing according to UL 94V-0
Temperature range

-40 oF (-40 oC) to + 257 oF (125 oC)

Contact pin: copper alloy

Technical Data

(according to UL/CSA)

Voltage: 150V

Maximum current: 8A

Pin diameter: .8 mm

(mating position)

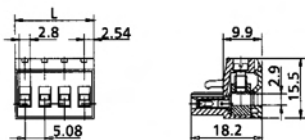
Pc pin diameter: .8 mm

Recommended pc hole diameter 1.5 mm



Designed to VDE 0110

TYPE 249 Pluggable 5.08mm



Technical Data

Voltage: 300V
 5.08mm spacing: 600V
 10.16mm spacing: 12A
 Max. Current: 12-28 AWG
 Wire Range: 4.5 lb-in
 Screw Torque: 4.5 lb-in

Material

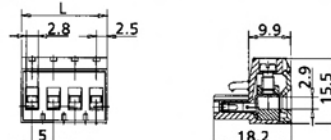
Body: Polyamide 66
 UL 94V-0
 Terminal: Brass, 4um nickel plated
 Screw: M3, steel, zinc plated



Designed to VDE 0110

Circuits	Part No.
2	31249102
3	31249103
4	31249104
.	.
.	.
.	.
23	31249123
24	31249124

TYPE 349 Pluggable 5.00mm



Technical Data

Voltage: 300V
 5.00mm spacing: 600V
 10.00mm spacing: 12A
 Max. Current: 12-28 AWG
 Wire Range: 4.5 lb-in
 Screw Torque: 4.5 lb-in

Material

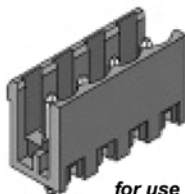
Body: Polyamide 66
 UL 94V-0
 Terminal: Brass, nickel plated
 Screw: M3, steel, zinc plated



Designed to VDE 0110

Circuits	Part No.
2	31349102
3	31349103
4	31349104
.	.
.	.
.	.
23	31349123
24	31349124

TYPE 219(5.08mm) Type319(5.00mm) Open End Headers



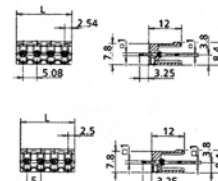
for use with
above plugs

UL/CSA Recognized

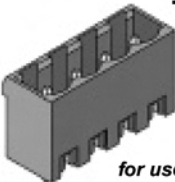
Designed to VDE 0110

Technical Data
 Voltage: 300V
 5.08/5.00mm spacing: 600V
 10.16/10.00mm spacing: 1.0mm-mating
 Square pin: 1.0mm-solder
 Solder pin length: 3.25mm
 PCB hole dia: 1.5mm

Circuits	Part No.	Part No.
2	31219102	31319102
3	31219103	31319103
4	31219104	31319104
.	.	.
.	.	.
.	.	.
23	31219123	31319123
24	31219124	31319124



TYPE 220(5.08mm) Type320(5.00mm) Closed End Headers



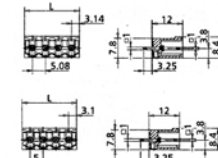
for use with
above plugs

UL/CSA Recognized

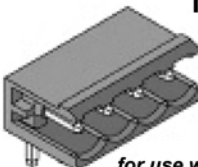
Designed to VDE 0110

Technical Data
 Voltage: 300V
 5.08/5.00mm spacing: 600V
 10.16/10.00mm spacing: 1.0mm-mating
 Square pin: 1.0mm-solder
 Solder pin length: 3.25mm
 PCB hole dia: 1.5mm

Circuits	Part No.	Part No.
2	31220102	31320102
3	31220103	31320103
4	31220104	31320104
.	.	.
.	.	.
.	.	.
23	31220123	31320123
24	31220124	31320124



TYPE 229(5.08mm) Type329(5.00mm) Open End Headers



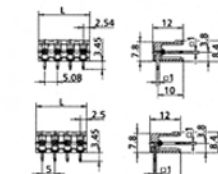
for use with
above plugs

UL/CSA Recognized

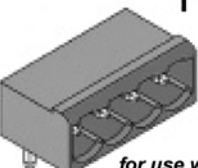
Designed to VDE 0110

Technical Data
 Voltage: 300V
 5.08/5.00mm spacing: 600V
 10.16/10.00mm spacing: 1.0mm-mating
 Square pin: 1.0mm-solder
 Solder pin length: 3.25mm
 PCB hole dia: 1.5mm

Circuits	Part No.	Part No.
2	31229102	31329102
3	31229103	31329103
4	31229104	31329104
.	.	.
.	.	.
.	.	.
23	31229123	31329123
24	31229124	31329124



TYPE 230(5.08mm) Type330(5.00mm) Closed End Headers



for use with
above plugs

UL/CSA Recognized

Designed to VDE 0110

Technical Data
 Voltage: 300V
 5.08/5.00mm spacing: 600V
 10.16/10.00mm spacing: 1.0mm-mating
 Square pin: 1.0mm-solder
 Solder pin length: 3.25mm
 PCB hole dia: 1.5mm

Circuits	Part No.	Part No.
2	31230102	31330102
3	31230103	31330103
4	31230104	31330104
.	.	.
.	.	.
.	.	.
23	31230123	31330123
24	31230124	31330124

