ELECTROUSTIC
DISTRIBUTION OF CONNECTIVITY SOLUTIONS

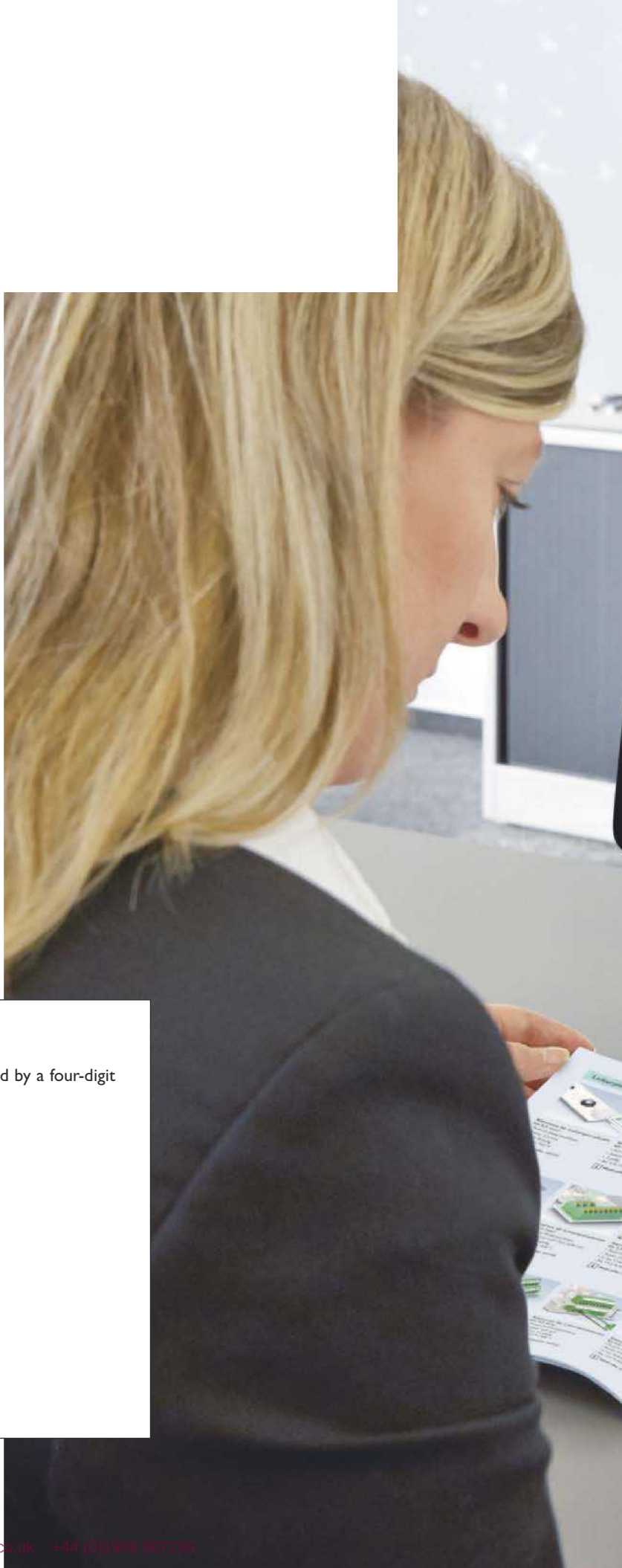
Product navigator 2017/2018

Connectors and electronics housings

PHOENIX CONTACT
INSPIRING INNOVATIONS

Your overview of our extensive product range

As the leading manufacturer of PCB terminal blocks, connectors and electronics housings, we offer you an extensive product range with more than 50,000 products. This product navigator provides you with a quick overview. Thanks to integrated web codes, you can quickly find additional information regarding the specified products in our web portal.



Find out more with the web code

You can find web codes in this brochure: a pound sign followed by a four-digit number combination.

Web code: #1234 (example)

This allows you to access information on our website quickly.

It could not be easier:

1. Go to the Phoenix Contact website
2. Enter # and the number combination in the search field
3. Get more information and product versions

#1234 **Search**

Or use the direct link:
phoenixcontact.net/webcode/#1234

Contents

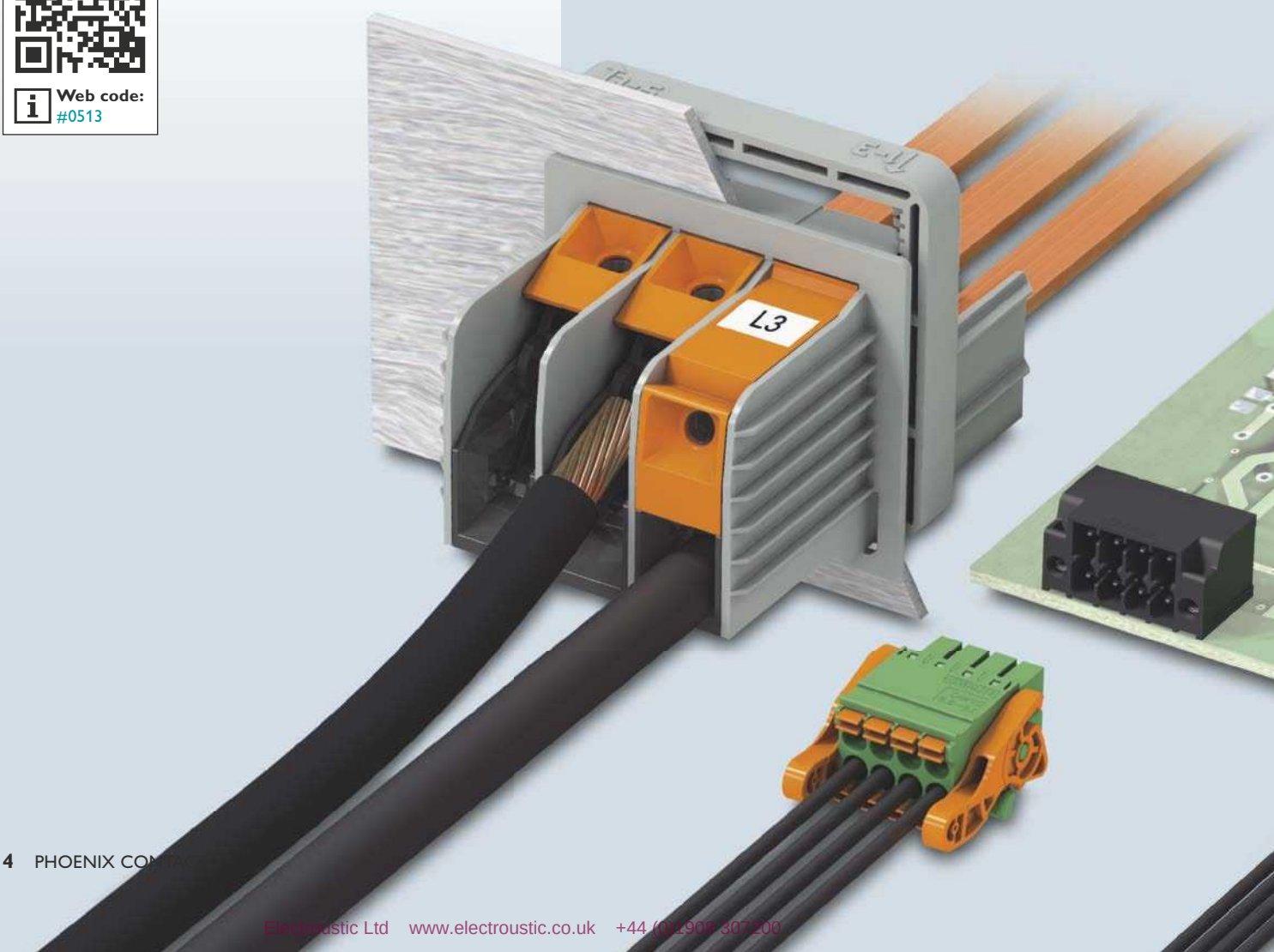
PCB terminal blocks, PCB connectors and high-current feed-through terminal blocks

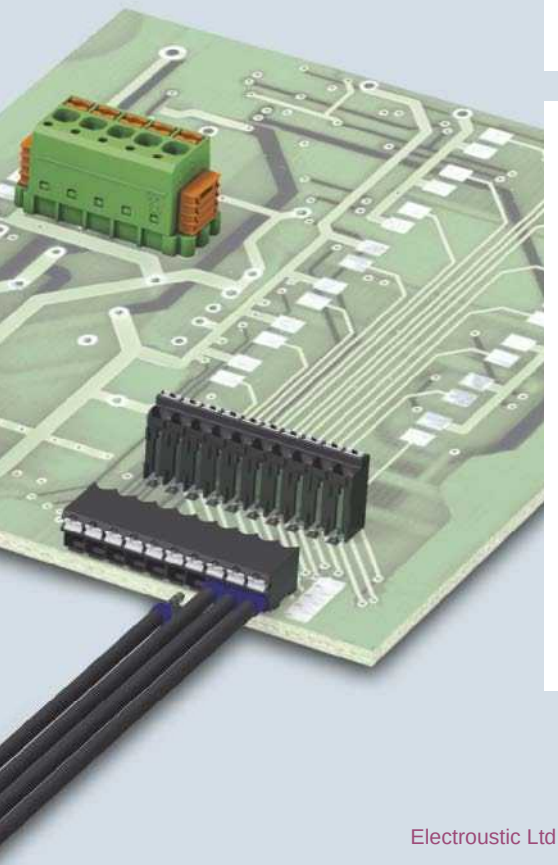
The COMBICON product range offers an unparalleled array of connection technology for the transmission of signals, data or power: screw, spring or IDC connections, PCB terminal blocks or easy-to-service connectors, for two to 24 positions.

Your advantages

- Maximum flexibility, thanks to versatile connection technologies such as screw or spring
- A wide range of possible applications, thanks to various pitches and numbers of positions
- Maximum reliability, thanks to high material quality
- Expert design-in support from experienced product specialists
- Customer-specific versions allow for individual solutions

Web code: #0513





PCB terminal blocks

PCB terminal blocks make it possible to transmit signals, data and power directly to the printed-circuit board easily and reliably. The space-saving connection method is ideal for numerous applications in process industry and industrial environments.

- For conductor cross sections from 0.14 mm² to 95 mm²
- For currents up to 232 A and voltages up to 1,000 V (IEC)
- With screw, spring or insulation displacement connection
- For pitches from 2.5 mm to 20 mm

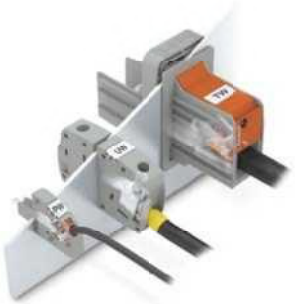
Web code: #0391 Page 6

PCB connectors

Our PCB connectors offer a universal, maintenance-friendly conductor connection for almost all device designs from various industries and markets.

- For conductor cross sections from 0.14 mm² to 35 mm²
- For currents up to 125 A and voltages up to 1,000 V (IEC)
- With screw, spring, insulation displacement or crimp connection
- Designs for THR/SMT soldering, wave soldering, press-in technology as well as with innovative SKEDD direct connection technology

Web code: #0425 Page 8



High-current feed-through terminal blocks

With high-current feed-through terminal blocks, high currents and voltages can be transmitted safely and reliably through the housing wall. Various connection technologies enable flexible solutions for transmission.

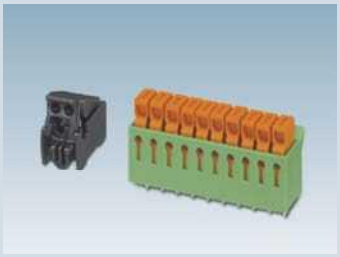
- For conductor cross sections from 4 mm² to 150 mm²
- For currents up to 309 A and voltages up to 1,000 V (IEC)
- With screw, spring, T-LOX or bolt connection
- For panel thickness of 1 to 6 mm

Web code: #0456 Page 12

PCB terminal blocks

Terminal blocks for conductor cross sections up to 0.5 mm²
- Push-in spring connection
- 2.5 mm pitch
- 2- to 8-pos.
- Up to 6 A/160 V (IEC), up to 5 A/150 V (UL)

Web code: #1176

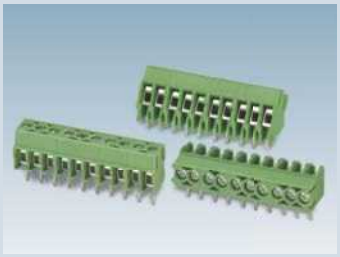


Terminal blocks for conductor cross sections up to 0.5 mm²
- IDC displacement connection
- 2.5/3.81 mm pitch
- 2- to 12-pos.
- Up to 5 A/160 V (IEC), up to 5 A/300 V (UL)

Web code: #0707

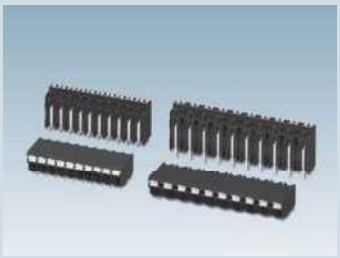
Terminal blocks for conductor cross sections up to 1.5 mm²
- Screw connection with tension sleeve
- 2.54/3.5/3.81/5.0/5.08/7.5/7.62 mm pitch
- 2- to 16-pos.
- Up to 17.5 A/630 V (IEC), up to 15 A/300 V (UL)

Web code: #1177



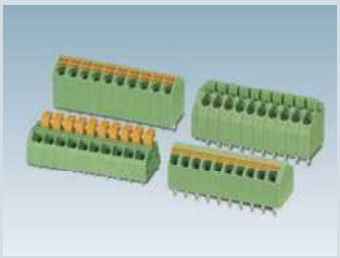
Terminal blocks for conductor cross sections up to 1.5 mm²
- Screw connection with wire guard
- 3.5 mm pitch
- 2- to 16-pos.
- Up to 17.5 A/200 V (IEC), up to 10 A/300 V (UL)

Web code: #0708



Terminal blocks for conductor cross sections up to 1.5 mm²
- Push-in spring connection
- 3.5/3.81/5.0/5.08 mm pitch
- 2- to 12-pos.
- Up to 13.5 A/320 V (IEC), up to 10 A/300 V (UL)

Web code: #1178

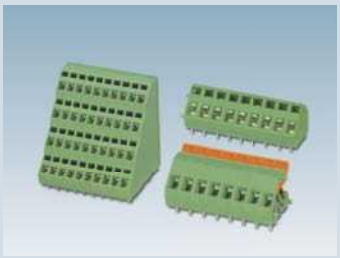


Angled terminal blocks for conductor cross sections up to 1.5 mm²
- Push-in spring connection
- 2.5/3.5/3.81/5.0/5.08 mm pitch
- 2- to 16-pos.
- Up to 16 A/320 V (IEC), up to 10 A/300 V (UL)

Web code: #1179

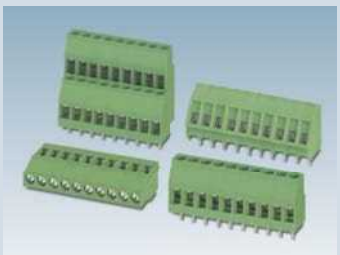
Horizontal and vertical terminal blocks for conductor cross sections up to 1.5 mm²
- Push-in spring connection
- 2.54/3.5/3.81/5.0/5.08/7.5/7.62 mm pitch
- 2- to 16-pos.
- Up to 17.5 A/630 V (IEC), up to 10 A/300 V (UL)

Web code: #1180



Terminal blocks for conductor cross sections up to 1.5 mm²
- Spring-cage connection
- 3.81/5.0/5.08 mm pitch
- 2- to 12-pos.
- Up to 16 A/400 V (IEC), up to 10 A/300 V (UL)

Web code: #0711



Terminal blocks for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve
- 5.0/5.08/7.5/7.62 mm pitch
- 2- to 16-pos.
- Up to 24 A/630 V (IEC), up to 20 A/300 V (UL)

Web code: #0713

Terminal blocks for conductor cross sections up to 2.5 mm²
- Front screw connection
- 5.0 mm pitch
- 2- to 12-pos.
- Up to 24 A/400 V (IEC), up to 20 A/300 V (UL)

Web code: #0714

Terminal blocks for conductor cross sections up to 2.5 mm²
- Push-in spring connection
- 5.0 mm pitch
- 2- to 12-pos.
- Up to 24 A/400 V (IEC), up to 20 A/300 V (UL)

Web code: #0715

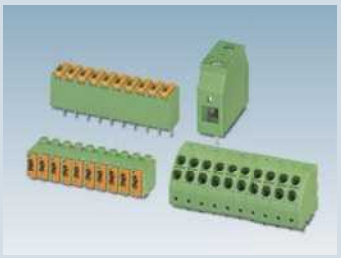
Terminal blocks for conductor cross sections up to 2.5 mm²
- Spring-cage connection
- 5.08 mm pitch
- 2- to 12-pos.
- Up to 24 A/400 V (IEC), up to 10 A/300 V (UL)

Web code: #0716

Additional information regarding UL specifications and use groups can be found in the description of each specific product at phoenixcontact.com

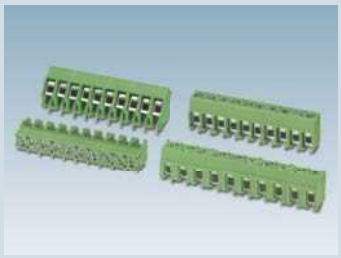
Terminal blocks for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve, front screw connection, spring-cage connection and push-in spring connection
- 5.0/5.08 mm pitch
- 2- to 12-pos.
- Up to 23 A/176 V (IEC)

Web code: #1183



Twin terminal blocks for conductor cross sections up to 4 mm²
- Screw connection with tension sleeve and push-in spring connection
- 3.5/5.0/7.5 mm pitch
- 2- to 12-pos.
- Up to 41 A/320 V (IEC), up to 30 A/300 V (UL)

Web code: #1184



Terminal blocks for conductor cross sections up to 4 mm²
- Screw connection with wire guard
- 5.0/7.5 mm pitch
- 2- to 16-pos.
- Up to 32 A/800 V (IEC), up to 20 A/300 V (UL)

Web code: #1185

Terminal blocks for conductor cross sections up to 6 mm²
- Screw connection with tension sleeve
- 6.35/7.62/9.5/9.52 mm pitch
- 2- to 12-pos.
- Up to 41 A/1,000 V, (IEC), up to 30 A/600 V (UL)

Web code: #1186

Terminal blocks for conductor cross sections up to 6 mm²
- Spring-cage and push-in spring connection
- 7.5/10 mm pitch
- 1- to 12-pos.
- Up to 41 A/1,000 V (IEC), up to 36 A/600 V (UL)

Web code: #1187

Terminal blocks for conductor cross sections up to 6 mm²
- Push-lock connection
- 7.5 mm pitch
- 1- to 12-pos.
- Up to 41 A/1,000 V (IEC), up to 27 A/600 V (UL)

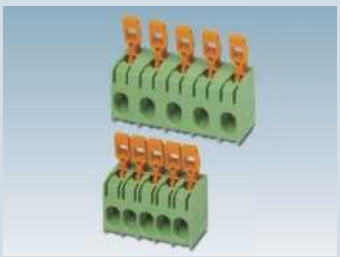
Web code: #0723

Terminal blocks for conductor cross sections up to 16 mm²
- Screw connection with tension sleeve
- 10.16/12.7 mm pitch
- 1- to 12-pos.
- Up to 76 A/1,000 V (IEC), up to 60 A/600 V (UL)

Web code: #1188

Terminal blocks for conductor cross sections up to 16 mm²
- Spring-cage and push-in spring connection
- 10/15 mm pitch
- 1- to 9-pos.
- Up to 76 A/1,000 V (IEC), up to 66 A/600 V (UL)

Web code: #1189



Terminal blocks for conductor cross sections up to 16 mm²
- Push-lock connection
- 10/15 mm pitch
- 1- to 8-pos.
- Up to 76 A/1,000 V (IEC), up to 66 A/600 V (UL)

Web code: #0729

Terminal blocks for conductor cross sections up to 35 mm²
- Screw connection with tension sleeve
- 15 mm pitch
- 1- to 9-pos.
- Up to 125 A/1,000 V (IEC), up to 115 A/600 V (UL)

Web code: #0730

Terminal blocks for conductor cross sections up to 35 mm²
- Push-in spring connection
- 15 mm pitch
- 1- to 5-pos.
- Up to 125 A/1,000 V (IEC), up to 101 A/600 V (UL)

Web code: #0731

Terminal blocks for conductor cross sections up to 95 mm²
- Screw connection with tension sleeve
- 17.5/20 mm pitch
- 1- to 5-pos.
- Up to 232 A/1,000 V (IEC), up to 200 A/600 V (UL)

Web code: #1190

PCB connectors

Direct connectors for flexible LED printed-circuit boards
- PCB connectors and supply elements with crimped cable
- Versions for 8 and 10 mm wide, flexible PCBs
- Up to 10 A/24 V (IEC), up to 5 A/60 V (UL)

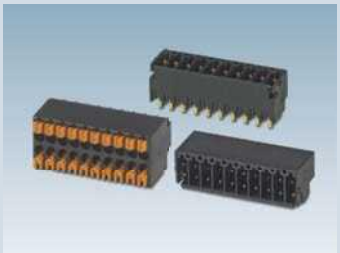
Web code: #0745

Connectors for conductor cross sections up to 0.5 mm²
- Push-in spring connection
- 2.5 mm pitch
- 2- to 8-pos.
- Up to 6 A/160 V (IEC), up to 5 A/150 V (UL)

Web code: #1191

Connectors for conductor cross sections up to 0.5 mm²
- Push-in spring connection
- 2.5/2.54 mm pitch
- 2- to 16-pos.
- Up to 6 A/160 V (IEC), up to 6 A/150 V (UL)

Web code: #1192

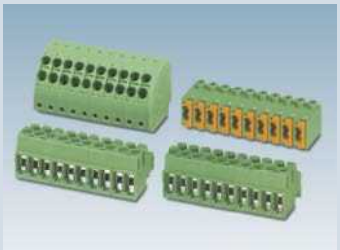


Double-row connectors, conductor cross sections up to 0.5 mm²
- Push-in spring connection
- 2.54 mm pitch
- 2- to 16-pos.
- Up to 6 A/160 V (IEC) up to 6 A/150 V (UL)

Web code: #1193

Direct connectors for conductor cross sections up to 1.5 mm²
- Spring-cage connection
- 3.5/5.0/7.5 mm pitch
- 2- to 12-pos.
- Up to 10 A/630 V (IEC), up to 10 A/300 V (UL)

Web code: #0771

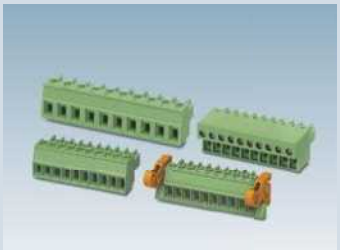


Pin strip connectors for conductor cross sections up to 1.5 mm²
- Push-in spring connection
- 3.5 mm pitch
- 2- to 16-pos.
- Up to 8 A/250 V (IEC), up to 10 A/300 V (UL)

Web code: #1254

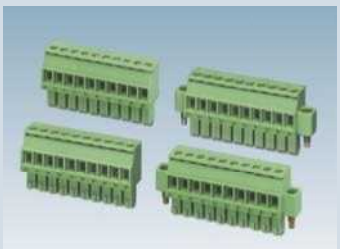
Pin strips for wave and THR soldering
- 3.5 mm pitch
- 2- to 16-pos.
- Up to 8 A/250 V (IEC), up to 10 A/300 V (UL)

Web code: #0747



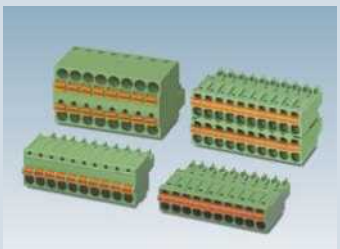
Connectors for conductor cross sections up to 1.5 mm²
- Screw connection with tension sleeve
- 3.5/3.81/5.08 mm pitch
- 2- to 20-pos.
- Up to 8 A/320 V (IEC), up to 8 A/300 V (UL)

Web code: #1194



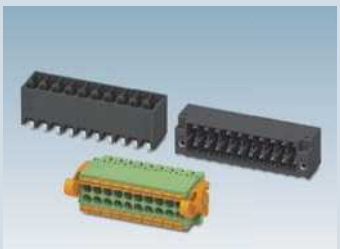
Vertical connectors for conductor cross sections up to 1.5 mm²
- Screw connection with tension sleeve
- 3.5/3.81 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC) up to 8 A/300 V (UL)

Web code: #1195



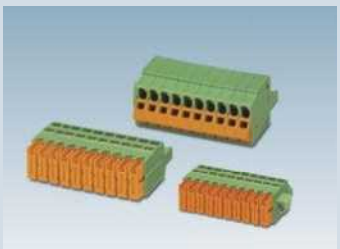
Connectors for conductor cross sections up to 1.5 mm²
- Push-in spring connection
- 3.5/3.81 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC), up to 8 A/300 V (UL)

Web code: #0756



Double-row connectors, conductor cross sections up to 1.5 mm²
- Push-in spring connection with push button
- 3.5 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC) up to 8 A/150 V (UL)

Web code: #1196



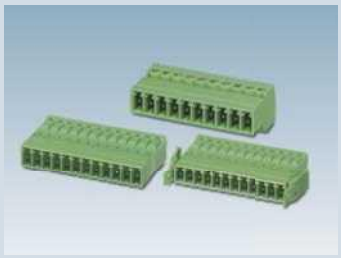
Connectors for conductor cross sections up to 1.5 mm²
- IDC displacement connection
- 3.81/5.0/5.08 mm pitch
- 2- to 16-pos.
- Up to 12 A/630 V (IEC) up to 10 A/300 V (UL)

Web code: #1197

Additional information regarding UL specifications and use groups can be found in the description of each specific product at phoenixcontact.com

Connectors for conductor cross sections up to 1.0 mm²
- Crimp connection
- 3.81 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC), up to 8 A/300 V (UL)

Web code: #1198

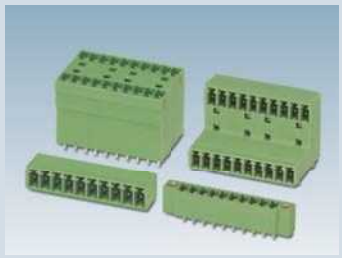


Inverted connectors for conductor cross sections up to 1.5 mm²
- For wire-to-wire connections and touch-protected outputs
- Screw and push-in spring connection
- 3.5/3.81 mm pitch
- Up to 8 A/160 V (IEC) up to 8 A/300 V (UL)

Web code: #1199

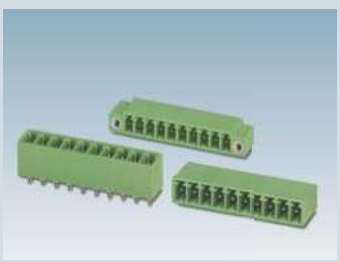
Headers for THR soldering
- 3.5/3.81 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC) up to 8 A/300 V (UL)

Web code: #1200



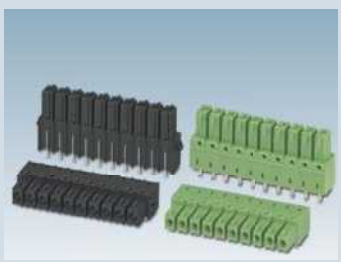
Headers for wave soldering
- 3.5/3.81/5.08 mm pitch
- 2- to 20-pos.
- Up to 8 A/320 V (IEC) up to 8 A/300 V (UL)

Web code: #1201



Headers for press-in technology
- 3.5/3.81 mm pitch
- 2- to 20-pos.
- Up to 8 A/160 V (IEC) up to 8 A/300 V (UL)

Web code: #1202

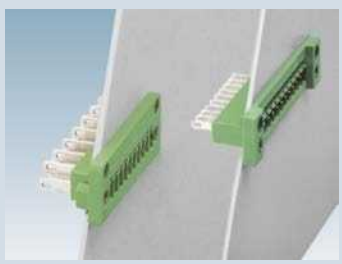


Inverted headers
- For board-to-board connections and touch-protected outputs
- 3.5/3.81 mm pitch
- 2- to 16-pos.
- Up to 8 A/160 V (IEC), up to 8 A/300 V (UL)

Web code: #1203

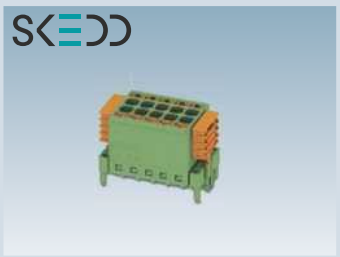
Headers for rail or direct mounting
- 3.81/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC), up to 12 A/300 V (UL)

Web code: #1204



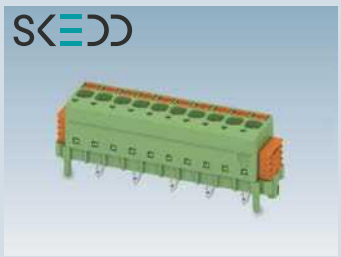
Feed-through headers
- 3.81/5.0/5.08 mm pitch
- 2- to 26-pos.
- Up to 12 A/320 V (IEC) up to 12 A/300 V (UL)

Web code: #1205



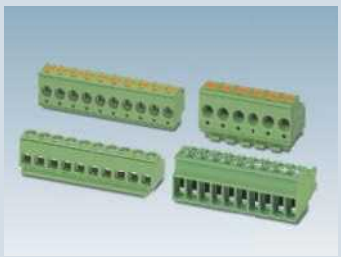
Double-row connectors, conductor cross sections up to 1.5 mm²
- SKEDD direct connection technology
- Push-in spring connection with push button
- 3.5 mm pitch
- Up to 8 A/160 V (IEC)

Web code: #1206



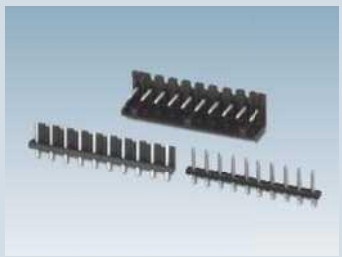
Connectors for conductor cross sections up to 2.5 mm²
- SKEDD direct connection technology
- Push-in spring connection with push button
- 5.0 mm pitch
- Up to 12 A/320 V (IEC), up to 12 A/300 V (UL)

Web code: #0786



Pin strip connectors for conductor cross sections up to 4.0 mm²
- Screw connection and push-in spring connection
- 5.0 mm pitch
- 2- to 16-pos.
- Up to 13.5 A/400 V (IEC), up to 15 A/300 V (UL)

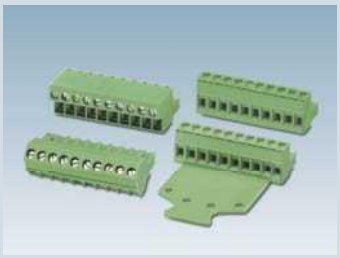
Web code: #1207



Pin strips for wave and THR soldering
- 5.0 mm pitch
- 2- to 16-pos.
- Up to 13.5 A/400 V (IEC), up to 15 A/300 V (UL)

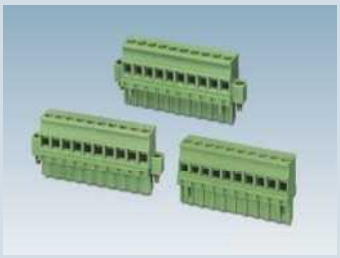
Web code: #0775

PCB connectors



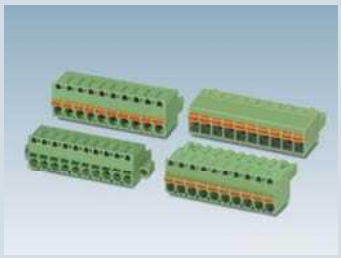
Connectors for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC), up to 15 A/300 V (UL)

Web code: #1208



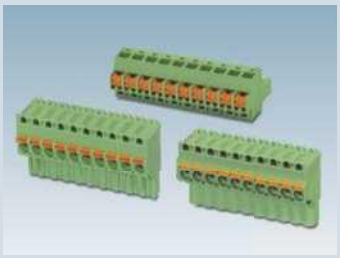
Vertical connectors for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC) up to 10 A/300 V (UL)

Web code: #1209



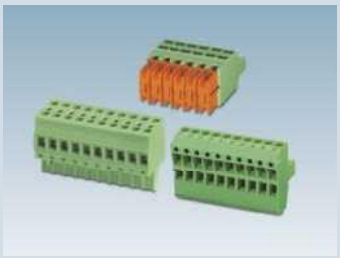
Connectors for conductor cross sections up to 2.5 mm²
- Push-in spring connection
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC), up to 10 A/300 V (UL)

Web code: #1210



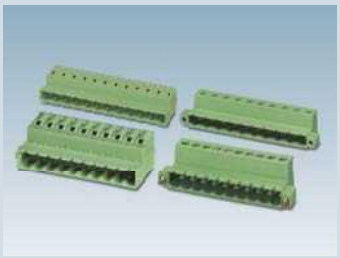
Vertical connectors for conductor cross sections up to 2.5 mm²
- Push-in spring connection
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC) up to 10 A/300 V (UL)

Web code: #1211



TWIN connectors for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve, push-in spring connection and IDC connection
- 5.0/5.08 mm pitch
- Up to 12 A/320 V (IEC), up to 10 A/300 V (UL)

Web code: #1213



Inverted connectors for conductor cross sections up to 2.5 mm²
- For wire-to-wire connections and touch-protected outputs
- Screw and push-in spring connection
- 5.0/5.08 mm pitch
- Up to 12 A/320 V (IEC) up to 10 A/300 V (UL)

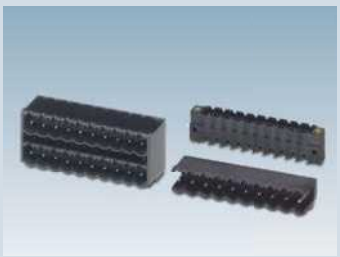
Web code: #1214

Connectors for conductor cross sections up to 2.5 mm²
- Screw connection with tension sleeve and push-in spring connection
- 5.08/7.62 mm pitch
- 2- to 12-pos.
- Up to 12 A/176 V (IEC / ATEX)

Web code: #1215

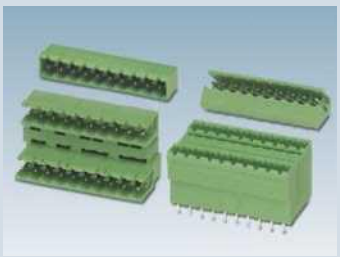
Connectors for conductor cross sections up to 2.5 mm²
- Crimp connection
- 5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC), up to 10 A/300 V (UL)

Web code: #1216



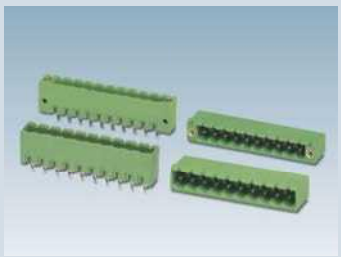
Headers for THR soldering
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC) up to 10 A/300 V (UL)

Web code: #0789



Headers for wave soldering
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC) up to 15 A/300 V (UL)

Web code: #0790



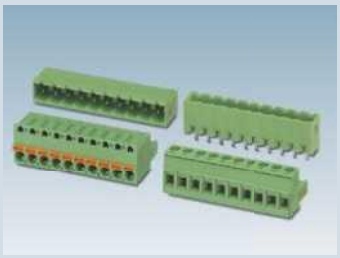
Headers for press-in technology
- 5.0/5.08 mm pitch
- 2- to 24-pos.
- Up to 12 A/320 V (IEC) up to 15 A/300 V (UL)

Web code: #0792

Inverted headers
- For board-to-board connections and touch-protected applications
- 5.08 mm pitch
- 2- to 24-pos.
- Up to 16 A/320 V (IEC), up to 16 A/300 V (UL)

Web code: #1218

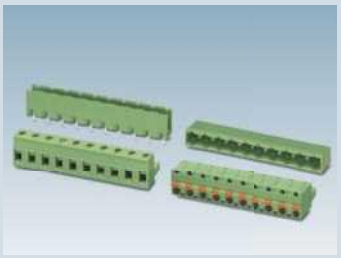
Additional information regarding UL specifications and use groups can be found in the description of each specific product at phoenixcontact.com



Connectors for conductor cross sections up to 2.5 mm²

- Screw and push-in spring connection
- 5.0/5.08 mm pitch
- 2- to 12-pos.
- Up to 16 A/320 V (IEC), up to 16 A/300 V (UL)

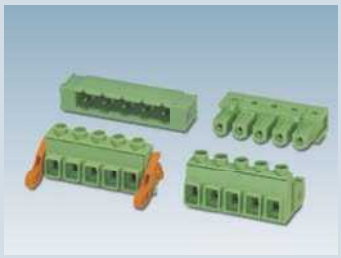
Web code: #1217



Connectors for conductor cross sections up to 2.5 mm²

- Screw and push-in connection
- 7.5/7.62 mm pitch
- Up to 12 A/630 V (IEC), up to 15 A/300 V (UL)

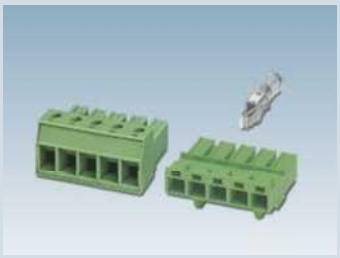
Web code: #1219



Connectors for conductor cross sections up to 2.5 mm²

- Screw connection with tension sleeve
- 7.62 mm pitch
- 2- to 12-pos.
- Up to 16 A/1,000 V (IEC), up to 18.5 A/600 V (UL)

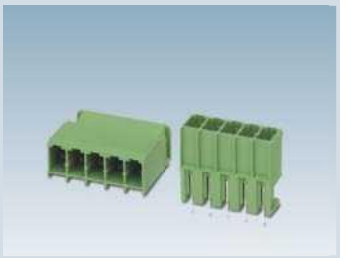
Web code: #1220



Connectors for conductor cross sections up to 4 mm²

- Screw and crimp connection
- 7.62 mm pitch
- 2- to 12-pos.
- Up to 20 A/1,000 V (IEC), up to 20 A/300 V (UL)

Web code: #1221



Headers for wave soldering

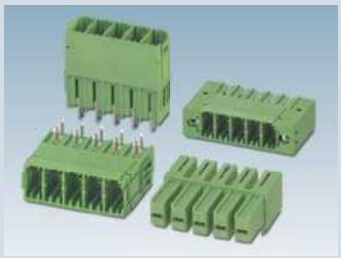
- 7.62 mm pitch
- 2- to 12-pos.
- Up to 20 A/630 V (IEC) up to 20 A/300 V (UL)

Web code: #1222

Connectors for conductor cross sections up to 6 mm²

- Screw and push-in spring connection
- 7.62 mm pitch
- 2- to 12-pos.
- Up to 41 A/1,000 V (IEC), up to 41 A/600 V (UL)

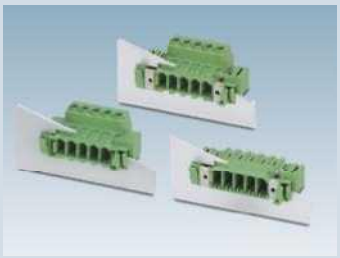
Web code: #1223



Headers for wave soldering

- 7.62 mm pitch
- 2- to 12-pos.
- Up to 41 A/630 V (IEC), up to 41A/300 V (UL)

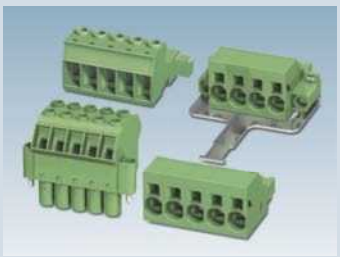
Web code: #1224



Feed-through connectors for conductor cross sections up to 6 mm²

- Screw connection with tension sleeve
- 7.62 mm pitch
- 2- to 12-pos.
- Up to 41 A/1,000 V (IEC), up to 41 A/600 V (UL)

Web code: #1225



Connectors for conductor cross sections up to 16 mm²

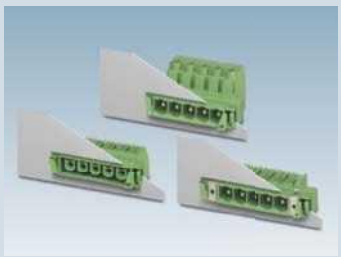
- Screw and push-in spring connection
- 10.16 mm pitch
- 2- to 9-pos.
- Up to 76 A/1,000 V (IEC), up to 66 A/600 V (UL)

Web code: #1226

Headers for wave soldering

- 10.16 mm pitch
- 2- to 9-pos.
- Up to 76 A/1,000 V (IEC), up to 66 A/300 V (UL)

Web code: #1227



Feed-through connectors, conductor cross sections up to 16 mm²

- Screw connection with tension sleeve
- 10.16 mm pitch
- 2- to 9-pos.
- Up to 76 A/1,000 V (IEC), up to 66 A/600 V (UL)

Web code: #1228

Connectors for conductor cross sections up to 35 mm²

- Screw connection with tension sleeve
- 15 mm pitch
- 2- to 6-pos.
- Up to 125 A/1,000 V (IEC), up to 115 A/600 V (UL)

Web code: #1229

High-current feed-through terminal blocks

Terminal blocks for conductor cross sections up to 4 mm²
- Exterior screw connection
- Interior screw, spade connector and solder connection
- 1-pos. can be aligned
- Up to 32 A/630 V (IEC), up to 30 A/300 V (UL)

Web code: #0829

Terminal blocks for conductor cross sections up to 4 mm²
- Exterior push-in connection
- Interior spade connector and solder connection
- 1-pos. can be aligned
- Up to 32 A/1,000 V (IEC), up to 30 A/300 V (UL)

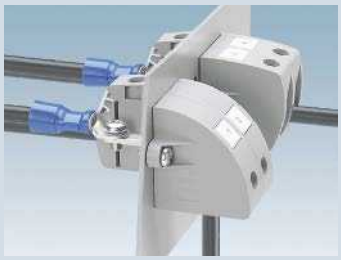
Web code: #0830

Terminal blocks for conductor cross sections up to 10 mm²
- Exterior screw connection
- Interior screw and solder connection
- 1-pos. can be aligned
- Up to 57 A/630 V (IEC), up to 65 A/300 V (UL)

Web code: #1230

Terminal blocks for conductor cross sections up to 10 mm²
- Exterior TWIN screw connection
- Interior screw connection
- 1-pos. can be aligned
- Up to 57 A/1,000 V (IEC), up to 65 A/150 V (UL)

Web code: #0832



Terminal blocks for conductor cross sections up to 16 mm²
- Exterior screw connection
- Interior screw and bolt connection
- 1-pos. can be aligned
- Up to 76 A/1,000 V (IEC), up to 85 A/600 V (UL)

Web code: #0833

Terminal blocks for conductor cross sections up to 16 mm²
- Exterior push-in connection
- Interior screw and bolt connection
- 1-pos. can be aligned
- Up to 76 A/1,000 V (IEC), up to 76 A/600 V (UL)

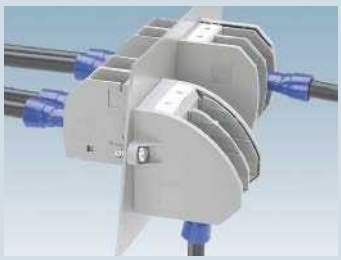
Web code: #0834

Terminal blocks for conductor cross sections up to 16 mm²
- Exterior push-lock connection
- Interior push-in connection
- 3- to 5-pos.
- Up to 41 A/1,000 V (IEC), up to 40 A/600 V (UL)

Web code: #0835

Terminal blocks for conductor cross sections up to 16 mm²
- Exterior and interior bolt connection
- With captive cover nut
- 1-pos. can be aligned
- Up to 76 A/1,000 V (IEC), up to 65 A/600 V (UL)

Web code: #1247

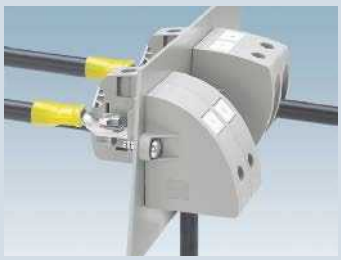


Terminal blocks for conductor cross sections up to 16 mm²
- Interior/exterior bolt connection
- Without cover
- 1-pos. can be aligned
- Up to 76 A/1,000 V (IEC), up to 65 A/600 V (UL)

Web code: #1248

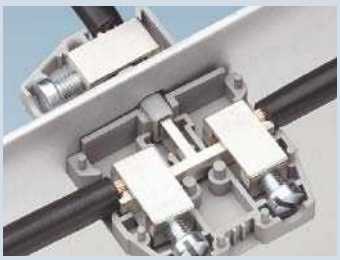
Terminal blocks for conductor cross sections up to 16 mm²
- Interior/exterior bolt connection
- With transparent cover
- 1-pos. can be aligned
- Up to 76 A/1,000 V (IEC), up to 65 A/600 V (UL)

Web code: #1249



Terminal blocks for conductor cross sections up to 35 mm²
- Exterior screw connection
- Interior screw and bolt connection
- 1-pos. can be aligned
- Up to 101 A/1,000 V (IEC), up to 112.5 A/600 V (UL)

Web code: #0837



Terminal blocks for conductor cross sections up to 35 mm²
- Exterior TWIN screw connection
- Interior screw connection
- 1-pos. can be aligned
- Up to 101 A/1,000 V (IEC), up to 115 A/600 V (UL)

Web code: #0838

Additional information regarding UL specifications and use groups can be found in the description of each specific product at phoenixcontact.com

Terminal blocks for conductor cross sections up to 35 mm²

- Exterior and interior bolt connection
- 1-pos. can be aligned
- Up to 125 A/1,000 V (IEC), up to 115 A/600 V (UL)
- With captive cover nut

Web code: #1250

Terminal blocks for conductor cross sections up to 35 mm²

- Exterior and interior bolt connection
- 1-pos. can be aligned
- Up to 125 A/1,000 V (IEC), up to 115 A/600 V (UL)
- Without cover

Web code: #1251

Terminal blocks for conductor cross sections up to 35 mm²

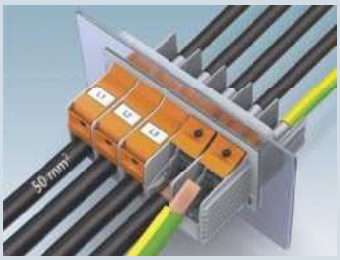
- Exterior and interior bolt connection
- 1-pos. can be aligned
- Up to 125 A/1,000 V (IEC), up to 115 A/600 V (UL)
- With transparent cover

Web code: #1252

Terminal blocks for conductor cross sections up to 50 mm²

- Exterior screw connection
- Interior screw and bolt connection
- 1-pos. can be aligned
- Up to 150 A/1,000 V (IEC), up to 170 A/600 V (UL)

Web code: #0840



Terminal blocks for conductor cross sections up to 50 mm²

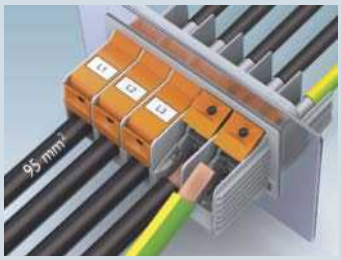
- Exterior T-LOX connection
- Interior bolt connection
- 1- to 6-pos.
- Up to 150 A/1,000 V (IEC), up to 150 A/600 V (UL)*

Web code: #0841

Terminal blocks for conductor cross sections up to 95 mm²

- Exterior screw connection
- Interior screw and bolt connection
- 1-pos. can be aligned
- Up to 232 A/1,000 V (IEC), up to 230 A/600 V (UL)

Web code: #0842



Terminal blocks for conductor cross sections up to 95 mm²

- Exterior T-LOX connection
- Interior bolt connection
- 1- to 6-pos.
- Up to 232 A/1,000 V (IEC), up to 230 A/600 V (UL)*

Web code: #0843

Terminal blocks for conductor cross sections up to 150 mm²

- Exterior and interior bolt connection
- 1-pos. can be aligned
- Up to 309 A/1,000 V (IEC), up to 309 A/600 V (UL)

Web code: #0844

* The specified UL value is expected upon approval

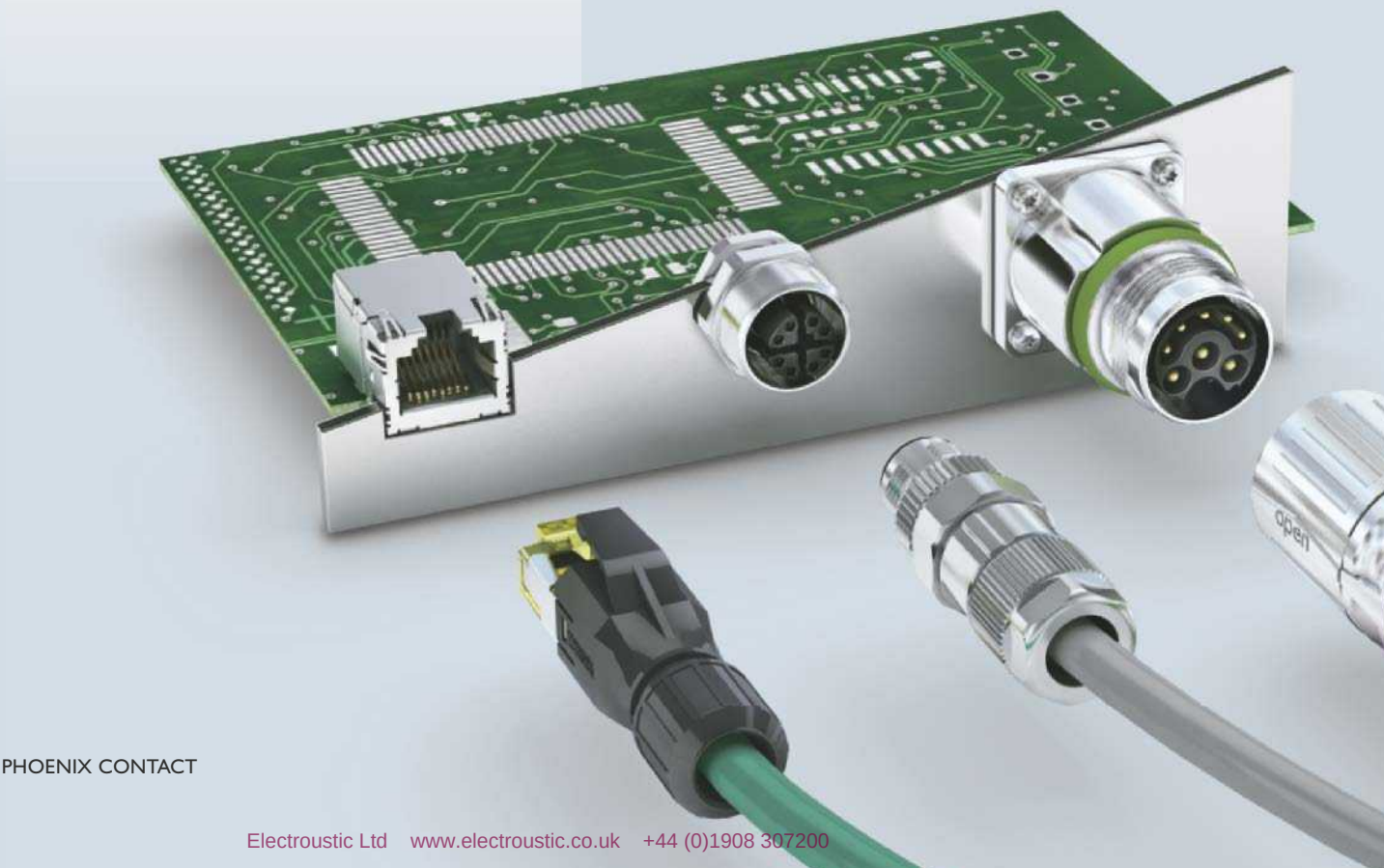
Connectors for field devices

From space-saving circular connectors to data connectors and modular rectangular connectors: Phoenix Contact offers all connection technologies for your devices as part of its extensive connector product range for copper conductors as well as fiber optic cables.

Your advantages

- Versatile, thanks to the comprehensive product range
- Maximum reliability, thanks to the outstanding level of quality and expertise
- Innovative and time-saving connection solutions for devices with all the usual degrees of protection associated with industrial use
- High degree of flexibility, thanks to customer-specific adaptations
- Expert design-in support from product specialists

Web code: #0515



Circular connectors

The circular connectors from the PLUSCON circular product range are available in a variety of sizes for use in industrial automation.

- M5, M8 and M12 for field cabling
- M17 and M23 for transmitting analog and digital signals
- M17, M23, M40 and M58 for drive technology

Web code: #0368 Page 16

Modular rectangular connectors

The PLUSCON device modular connector system offers compact connections for use in devices, terminal blocks and control cabinets.

- Sleeve housing in accordance with the IP65/67/68/69K degree of protection
- Contact insert sets for four to forty positions
- Attachment and coupling housing
- Accessories

Web code: #0363 Page 17

Photovoltaic connectors

AC or DC, circular or rectangular: our connectors from the PLUSCON solar product family cover a wide range of requirements.

- Field connectors
- Device connections
- Connection systems for BIPV and micro inverters

Web code: #0353 Page 18

Data connectors

With PLUSCON data, you can easily make comprehensive data transmission solutions a reality, thanks to highly diverse designs, codings and pin connector patterns.

- Copper-based data cabling with up to 10 Gbps
- Fiber optic-based data cabling with up to 40 Gbps
- Solutions for IP20/65/67/69K

Web code: #0296 Page 19

Circular connectors

M5, device connectors
- For signals
- A-coded
- 3- and 4-pos.
- Up to 1 A/60 V

Web code: #0220

M5, pre-assembled cable
- For signals
- A-coded
- 3- and 4-pos.
- Up to 1 A/125 V

Web code: #0369

M8, device connectors, one-piece
- For signals and data
- A-/B-coded
- 3- to 8-pos.
- Up to 4 A/60 V

Web code: #0219

M8, device connectors, two-piece
- For signals and data
- A-/B-coded
- 3- to 8-pos.
- Up to 4 A/60 V

Web code: #0370

M8, connectors for assembly
- For signals
- A-coded
- 3- and 4-pos.
- Up to 4 A/60 V

Web code: #0371

M8, pre-assembled cables
- For signals and data
- A-/B-coded
- 3- to 8-pos.
- Up to 3 A/60 V

Web code: #0372

M12, device connectors, one-piece
- For signals, data, power and hybrid
- A-/B-/D-/K-/L-/M-/S-/T-/X-/Y-coded
- 3- to 17-pos.
- Up to 16 A/630 V

Web code: #0373

M12, device connectors, two-piece
- For signals, data, power and hybrid
- A-/B-/D-/K-/L-/M-/S-/T-/X-/Y-coded
- 4- to 17-pos.
- Up to 16 A/630 V

Web code: #0374

M12, connectors for assembly
- For signals, data, power and hybrid
- A-/B-/D-/S-/T-/X-/Y-coded
- 3- to 17-pos.
- Up to 16 A/630 V

Web code: #0375

M12, pre-assembled cables
- For signals, data, power and hybrid
- A-/B-/D-/S-/T-/X-/Y-coded
- 3- to 17-pos.
- Up to 16 A/630 V

Web code: #0376

M17, device connectors
- For signals, power
- Signal: 8- and 17-pos.
- Power: 3+PE to 5+3+PE-pos.
- Up to 20 A/630 V

Web code: #0377

M17, connectors for assembly
- For signals, power
- Signal: 8- and 17-pos.
- Power: 3+PE to 5+3+PE-pos.
- Up to 20 A/630 V

Web code: #0378

M17, pre-assembled cables
- For signals, power
- Signal: 17-pos.
- Power: 3+PE- to 7+PE-pos.
- Up to 26 A/630 V

Web code: #0379

M23, device connectors
- For signals, power and hybrid
- 6- to 19-pos.
- Hybrid with CAT5 interface
- Up to 30 A/630 V AC/850 V DC

Web code: #0380

M23, connectors for assembly
- For signals, power and hybrid
- 6- to 19-pos.
- Hybrid with CAT5 interface
- Up to 30 A/630 V AC/850 V DC

Web code: #0381

M23, pre-assembled cables
- For signals, power and hybrid
- 4- to 17-pos.
- Hybrid with CAT5 interface
- Up to 26 A/630 V AC/850 V DC

Web code: #0382

M40, device connectors
- For power and hybrid
- 6-, 8- and 13-pos.
- Hybrid with CAT5 interface
- Up to 70 A/630 V AC/850 V DC

Web code: #0383

M40, connectors for assembly
- For power and hybrid
- 6-, 8- and 13-pos.
- Hybrid with CAT5 interface
- Up to 70 A/630 V AC/850 V DC

Web code: #0384

M40, pre-assembled cables
- For power
- 6- and 8-pos.
- Up to 61 A/630 V

Web code: #0385

M58, connectors
- Connectors for assembly and device connectors
- For power
- 6- and 8-pos.
- Up to 150 A/630 V

Web code: #0273

Rectangular connectors

Sleeve housing
- Made of a zinc/aluminum die-cast and polyamide
- In VC1, VC2, VC3 and VC4 designs

Web code: #0364

Contact inserts and contacts
- As a pin or socket version

Web code: #0365

Attachment and coupling housing
- Made of zinc die-cast or polyamide
- In VC1, VC2, VC3 and VC4 designs
- GOST, UL and cULus approvals

Web code: #0366

Accessories
- Screw connections
- Adapter plates
- Protective cover
- Corrugated pipes and screw connections

Web code: #0367

Photovoltaic connectors

DC field connectors
- For currents up to 65 A and voltages up to 1,500 V
- For conductor cross sections from 2.5 mm² to 16 mm²
- IP66/68 degree of protection

Web code: #0358

DC fuse adapters for PV panels/ devices
- For currents from 6 to 30 A and system voltages up to 1,500 V (EN) or 1,000 V (UL)
- IP68 degree of protection

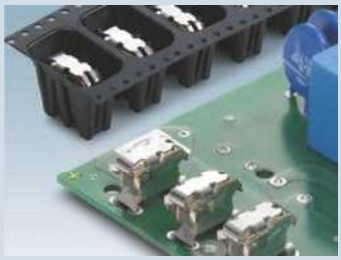
Web code: #0202

DC device connections
- For currents up to 40 A and voltages up to 1,500 V
- For conductor cross sections from 2.5 mm² to 6 mm²
- IP65/66/68 degree of protection

Web code: #0359

DC cables and accessories
- Protective elements (fuses, diodes)
- Distribution boxes and PV cables
- Protective caps
- Tools

Web code: #0362



Cost-effective connection technology for PV panels
- PCB terminal blocks without insulating body
- For currents up to 41 A
- Suitable for THR soldering processes

Web code: #0361

DC connection system for building integration
- UV-resistant
- Up to 27.5 A/1,000 V
- Comprehensive accessories
- IP67 degree of protection

Web code: #0357

AC field connectors
- Connectors for assembly
- 3- and 5-pos.
- Screw connection
- Up to 35 A/630 V
- IP68 degree of protection

Web code: #0355

AC device connections
- Device connectors and crimp contacts
- 3- and 5-pos.
- Crimp connection
- Up to 35 A/630 V
- IP68 degree of protection

Web code: #0356

Panel feed-through and PCB terminal blocks
- For conductor cross sections from 0.2 mm² to 150 mm²
- For currents up to 309 A and voltages up to 600 V UL/1,000 V

Web code: #0360

AC connection system for micro inverters
- Pre-assembled as a Y-distributor
- Trunk line 20 A/branch line 5 A, 600 V
- Comprehensive accessories

Web code: #0354

Data connectors

Copper-based connectors
- Future-proof high-speed cabling up to 10 Gbps
- Innovative hybrid cabling
- Solutions for IP20/65/67/69K
- IDC, pierce/spring connection

Web code: #0342

Patch cables and lines (copper)
- Pre-assembled cables for data rates up to 10 Gbps
- M12, RJ45 or open cable end

Web code: #0343

Device connections (copper)
- Panel feed-throughs for use in devices or control cabinets in IP20/65/67/69K

Web code: #0344

Patch panel (copper)
- IP20 patch panel for DIN rail mounting or 19" racks

Web code: #0345

Terminal outlets and couplings (copper)
- RJ45 terminal outlets and couplings in IP20 and IP67

Web code: #0346

Fiber optic-based connectors
- Transmission rates up to 40 Gbps
- Solutions for IP20/65/67
- POF, PCF, GOF fiber types (multi and single mode)

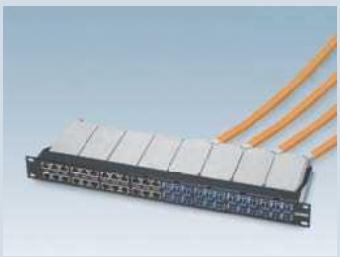
Web code: #0347

Patch cables and lines (fiber optic)
- POF for short transmission paths
- PCF for medium distances
- GOF for long transmission paths

Web code: #0348

Device connections (FO)
- Panel feed-throughs for use in devices or control cabinets in IP20/65/67/69K

Web code: #0349



Patch panel (FO)
- Patch panel for DIN rails or 19" racks

Web code: #0350

Terminal outlets and couplings (fiber optic)
- Terminal outlets and couplings in IP20/67

Web code: #0351

Tools for field assembly (fiber optic)
- Tools for all fiber types
- No bonding or polishing
- Tool sets with practical accessories

Web code: #0352

Electronics housings

A wide range of options for shape, color, and function – this is the central idea behind electronics housing types from Phoenix Contact. Whether on a wall or on a DIN rail, from light gray to sky blue, narrow or wide – you will always find the right housing for your electronics here.

Your advantages

- Optimum design of your device, thanks to a comprehensive range of housing and connection technology
- Quick and easy installation, thanks to the optional bus system
- Creative and flexible housing insert in various colors
- Numerous variations, thanks to customized printing and processing options for the entire product range
- Customized developments for your device ideas – using our expertise as an experienced device manufacturer
- Easy configuration via the HOUSING select online configurator

Web code: #0514

Basic housings

Large components or PCBs require housings that are particularly stable and spacious. That is exactly what our EH and CM basic housings are designed for.

Web code: #0386 Page 22

Modular housings

The modular housings from the ME and ME-MAX series are flexible with variable connection technology, bus connectors, a large interior and compact exterior dimensions.

Web code: #0304 Page 22

Multifunctional housings

The ME-PLC and ME-IO electronics housings provide you with multi-functional housing systems for intelligent device designs.

Web code: #0307 Page 22

Building installation housings

The BC housing system features highly diverse connection technology and high-position DIN rail connectors.

Web code: #0310 Page 22

Press-drawn section housings

Quick device installation, flexible PCB lengths and positions: these are the key features of the UM-BASIC, UM-PRO and UM-ALU housings.

Web code: #0312 Page 23

Field housings

Housings from the UCS, HCS, DCS, ECS and HC-ALU series protect your electronic systems during continuous outdoor use as mobile handheld devices or input devices.

Web code: #0317 Page 23

Development kits

Using our development kits allows you to mount virtually any THT PCB component on the DIN rail quickly and easily.

Web code: #0686 Page 23

Basic housings

EH series
- For PCB surfaces from 5,600 mm² to 7,200 mm²
- Widths from 22.5 to 90 mm
- Mounting on DIN rails, walls or direct mounting
- The choice of connection method is up to the user

Web code: #0387

CM series
- For PCB surfaces from 4,250 mm² to 31,100 mm²
- Widths from 50 to 200 mm
- Mounting on DIN rails or walls

Web code: #0388

Modular housings

ME series
- For PCB surfaces from 2,000 mm² to 6,600 mm²
- Widths from 12.5 mm to 90 mm, modular extension with pitch of 17.5 mm or 22.5 mm is possible
- Mounting on DIN rails, walls, direct mounting
- Optional with DIN rail or integrated bus connector for parallel and serial data and signal transmission
- Max. connection position number: 80

Web code: #0305

ME-MAX series
- For PCB surfaces from 3,400 mm² to 8,500 mm²
- Widths from 6.2 mm to 90 mm, modular extension with pitch of 17.5 mm or 22.5 mm is possible
- Mounting on DIN rails, walls or direct mounting
- Max. connection position number: 120

Web code: #0306

Multifunctional housings

ME-IO series
- For PCB surfaces from 2,000 mm² to 7,000 mm²
- Module widths: 18.8 mm, 37.6 mm and 75.2 mm
- Mounting on DIN rails, walls or direct mounting
- Max. connection position number: 54

Web code: #0308

ME-PLC series
- For PCB surfaces of 15,000 mm²
- Module width: 40 mm
- Mounting on DIN rails, optional with a DIN rail connector that can be equipped to suit the user's needs

Web code: #0309

Building installation housings

BC series
- For PCB surfaces from 2,200 mm² to 13,000 mm²
- Widths from 17.8 mm (1TE) to 161.6 mm (9TE)
- Customizable selection of PCB connection technology
- Mounting on DIN rails, walls, direct mounting or in the installation cabinet in accordance with DIN 43880
- Optional with 16-pos. DIN rail connector

Web code: #0311

RPI-BC series
- For holding a model A+, B+, B2 and B3 Raspberry Pi computer
- 107.6 mm overall width
- An additional PCB with hole pattern offers plenty of space for the customer to wire an individual application to suit his or her needs

Web code: #0664

Field housings

HC-ALU series
- For PCB surfaces from 5,000 mm² to 158,000 mm²/cm
- Widths: 53.5 mm to 161 mm
- As a handheld product or for mounting on DIN rails, on the wall, direct mounting
- Material: anodized aluminum
- IP65 degree of protection (IP67 optional)

Web code: #0925

UCS series
- Four headers in two different heights
- Flexible PCB mounting
- Temperature range: -40°C to +85°C
- IP40 degree of protection
- Can be used as desktop, wall, and DIN rail housing
- Material: PC (UL94-V0)

Web code: #0854

HCS/DCS series
- Housing for mobile and stationary applications
- Membrane keypads and displays that can be integrated
- Temperature range: -20°C to +50°C
- Degree of protection up to IP54
- Material: ABS (UL94-V0)

Web code: #0856/#0860

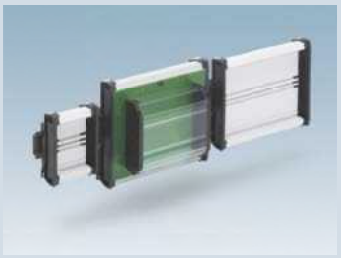
ECS series
- Housing for outdoor applications
- Wall or mast mounting
- Temperature range: -40°C to +85°C
- IP67 degree of protection
- Material: PC (UL94-V0)

Web code: #0858

Press-drawn section housings

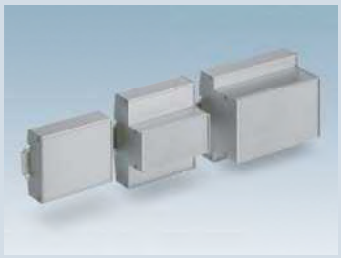
UM-BASIC series
- For PCB surfaces of 700 mm²/cm
- Profile widths for PCB widths of 72, 108, 122 mm
- Mounting on DIN rails, walls or direct mounting
- Temperature range: -15°C to +50°C
- Material: PVC (UL94-V0)

Web code: #0313



UM-PRO series
- For PCB surfaces of 700 mm²/cm
- Profile widths for PCB widths of 72, 108, 122 mm
- Mounting on DIN rails, walls or direct mounting
- Temperature range: -20°C to +100°C
- Material: PA (UL94-V0)

Web code: #0314



UM-ALU series
- For PCB surfaces from 3,000 mm² to 97,000 mm²/cm
- 72 and 100.5 mm widths
- Mounting on DIN rails
- Material: anodized aluminum

Web code: #0315

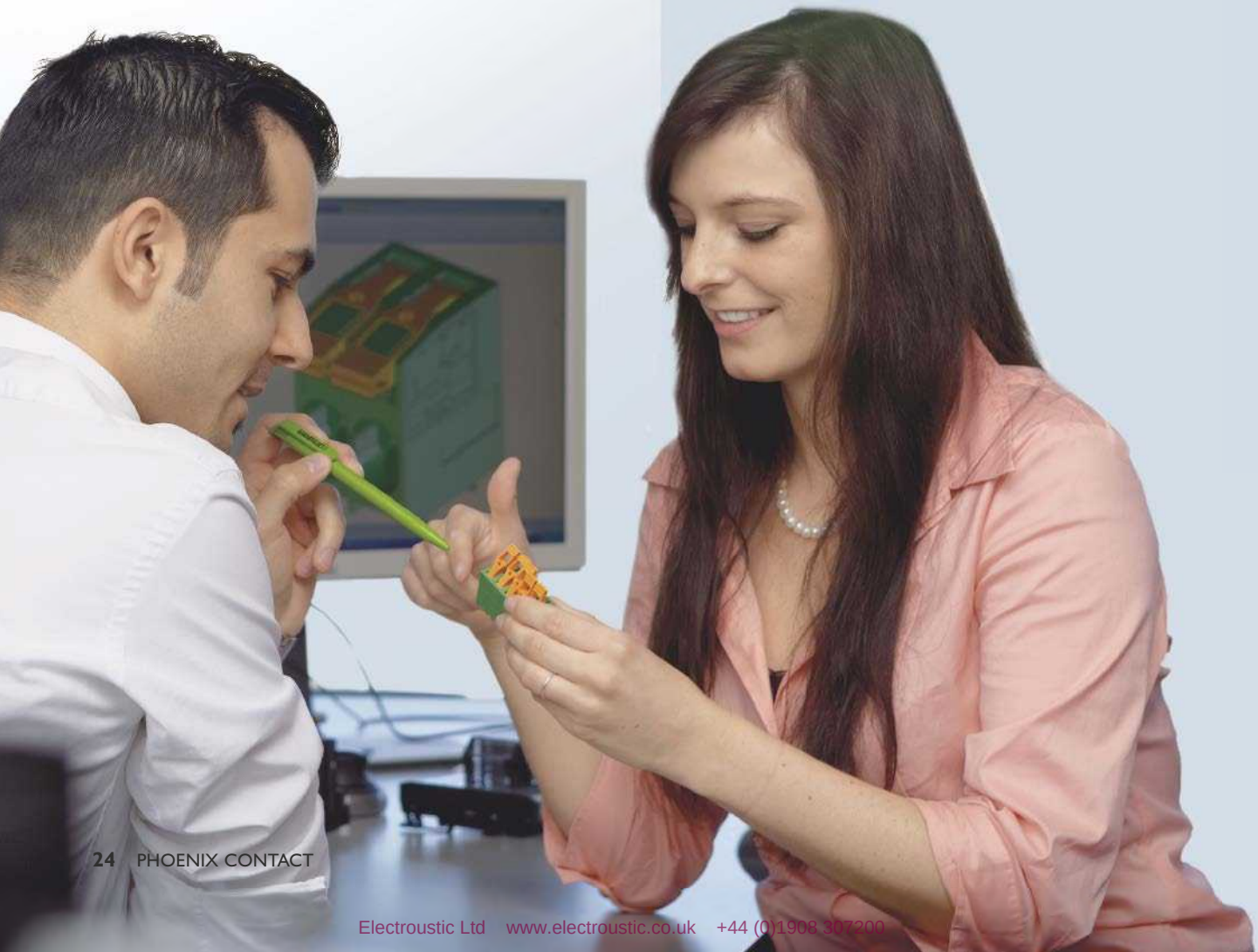
DEV-KITs

DEV-KITs series
- Housing and connection technology in a set
- Suitable perfboards available
- Optional bus connection for easy communication

Web code: #0679

Customer-specific solutions

Variability takes many forms: Different geometries, printings and colors or individual packaging make numerous solutions possible. In addition to customer-specific adaptations, Phoenix Contact also makes custom-tailored innovations according to your needs. We provide you with support from the initial idea to development and production to quality assurance.



Color variety
PCB terminal blocks and PCB connectors are available in various colors

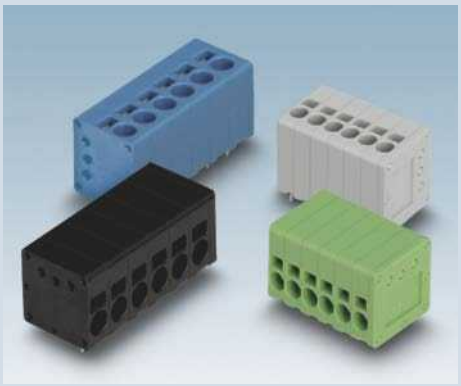
Coding
Individually-coded connectors and headers prevent a false connection

Web code: #1169

Customer-specific development
An individual solution according to your specifications

Marking
Labeling connection components individually

Individual solutions thanks to variants

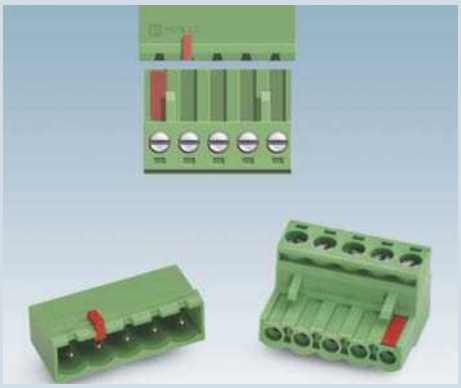


Color options

Phoenix Contact offers PCB terminal blocks and PCB connectors in the color variants green, black and light gray in standard conditions. In addition, gray versions are available for connectors and blue versions for PCB terminal blocks. Other colors on request.

Marking

Phoenix Contact offers different printing techniques and processes for labeling individual connection components. Black product housings are printed in white and all other colors in black. Complex printings on request.



Coding

In order to avoid false connections, Phoenix Contact offers coded connectors and headers. They are coded either by using a coding profile, code rider, or a coding pin, or by removing the so-called coding tap.

Electronics housings

Marking
Different marking processes fulfill each requirement

Web code: #0685

Color options
Electronics housings are produced in individual colors

Mechanical processing
Producing customer-specific cutouts on each side of the housing

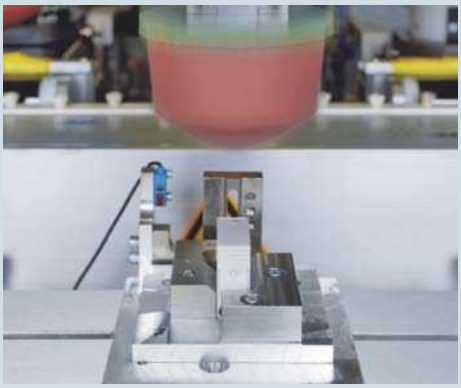
Individualize your housings

Color options

We also produce electronics housings in colors other than the standard color, either completely or as a combination of different colored housing parts. Our ability to reproduce your own company color maximizes brand recognition value.

Mechanical processing

We make customer-specific cutouts on each side of the housing with our state-of-the-art milling machines. This means that you do not have to carry out additional manufacturing work or deal with the associated logistical issues.



Marking

We mark your housing or housing components according to your guidelines. By offering pad and screen printing as well as laser marking, we have the appropriate marking technique for every need.

Marking
Individually printed cable assemblies according to your guidelines

Most variety
Molded connectors and connectors for assembly with cables or litz wires for direct circuit board assembly

Web code: #1170

Assembly
Individual cabling solutions based on circular and rectangular connectors

Your individual cabling solution

Assembly

Thanks to a multitude of designs, codings and pin assignments, we can bring you thorough solutions for transmitting signals, data and power. You can also receive assemblies with add-on components.

Marking

We print your cables according to your specific guidelines. We have the right technique for every need, whether printing directly on the cable or using wrap-around labels.

Labeling and packaging

You receive your separate cable assemblies in similarly separate packaging. On request, we will label these with your logo or with a barcode.

In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 14,500 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.

You will find our complete product range at:

phoenixcontact.com

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