TERMINAL BLOCKS

ELECTRONICS
FCI TERMINAL BLOCKS

FCI's PCB signal and power Terminal Blocks are available in both pluggable and fixed configurations. They both utilize proven high performance Cage – clamp technology that ensures a perfect connection time after time.

FCI supports its high reliability Terminal Blocks with excellent customer service, standard products delivered from stock, fast sample service and easy access to product information at www.fci.com/terminalblocks.

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LIABILITY
We believe that the information contained in this publication is the best currently available on the subject. It is offered as a possible helpful suggestion in any experimentation you may care to undertake and is subject to revision as additional knowledge and experience is gained. FCI makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patent. Information given on the drawings in this document is not suitable for tooling design and construction. To obtain the correct drawings for these purposes, contact your local FCI representative.

www.fci.com/terminalblocks
Technical Information

PLUGGABLE

FIXED

Application Overview

www.fci.com/terminalblocks
Pluggable Plug - key entry side - Signal
Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PbBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

PART NUMBERS

20020008 - Pitch Poles 1 B 01 LF

Pitch
C = 3.50 mm
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

REFERENCE DATA

MATING DATA

- Pluggable socket STR
  3.50 / 3.81 mm - mpn 20020 107

- Pluggable socket RA
  3.50 / 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS
Pluggable Plug - hook entry side - Signal
Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

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<th>PROPERTY TABLE</th>
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<tr>
<td>FTI SERIES NAME</td>
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<tr>
<td>PITCH (mm)</td>
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<tr>
<td>VOLTAGE RATING (VAC)</td>
</tr>
<tr>
<td>CURRENT RATING (A)</td>
</tr>
<tr>
<td>SOLID/STRANDED WIRE (AWG)</td>
</tr>
<tr>
<td>WIRE CROSS SECTION (mm²)</td>
</tr>
<tr>
<td>WIRE STRIP LENGTH (mm)</td>
</tr>
<tr>
<td>TORQUE (Nm)</td>
</tr>
<tr>
<td>SCREW</td>
</tr>
<tr>
<td>WITHSTANDING VOLTAGE (VAC)</td>
</tr>
<tr>
<td>OPERATING TEMP. (°C)</td>
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<tr>
<td>POLES AVAILABLE</td>
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<tr>
<td>SAFETY CERTIFICATE</td>
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MATING DATA
- Pluggable socket STR
  5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
  5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS

PART NUMBERS

<table>
<thead>
<tr>
<th>20020008 - Pitch</th>
<th>Poles</th>
<th>1</th>
<th>B</th>
<th>01</th>
<th>LF</th>
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<tbody>
<tr>
<td>Poles 02 = 2 poles 03 = 3 poles 04 = 4 poles ↓ 24 = 24 poles</td>
<td></td>
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</tbody>
</table>

PRODUCT
**Terminal Blocks, Pluggable**

**Pluggable Plug - contact up side - Signal**
Pitch 3.50mm (.138") / 3.81mm (.150")

### FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on up side
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- RoHS compatible

### PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHS compatible

### MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

### PACKAGING
- Standard: box

### TECHNICAL DATA

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<tr>
<td>VOLTAGE RATING (VAC)</td>
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<tr>
<td>CURRENT RATING (A)</td>
</tr>
<tr>
<td>SOLID/STRANDED WIRE (AWG)</td>
</tr>
<tr>
<td>WIRE CROSS SECTION (mm²/mm²)</td>
</tr>
<tr>
<td>WIRE STRIP LENGTH (mm)</td>
</tr>
<tr>
<td>TORQUE LIMIT (Nm)</td>
</tr>
<tr>
<td>SCREW</td>
</tr>
<tr>
<td>WITHSTANDING VOLTAGE (V)</td>
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<tr>
<td>OPERATING TEMP. (°C)</td>
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<tr>
<td>POLES AVAILABLE</td>
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**REFERENCE DATA**

### MATING DATA
- Pluggable socket STR
  3.50/3.81 mm - mpn 20020 107
- Pluggable socket RA
  3.50/3.81 mm - mpn 20020 110

### TYPICAL APPLICATIONS

### PART NUMBERS

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<th>Pitch</th>
<th>Poles</th>
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<th>8</th>
<th>01</th>
<th>LF</th>
</tr>
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<td>Pitch</td>
<td>Poles</td>
<td>1</td>
<td>8</td>
<td>01</td>
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</table>

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>C = 3.50 mm</td>
<td>02 = 2 poles</td>
</tr>
<tr>
<td>D = 3.81 mm</td>
<td>03 = 3 poles</td>
</tr>
<tr>
<td>(\downarrow)</td>
<td>04 = 4 poles</td>
</tr>
<tr>
<td>(\downarrow)</td>
<td>(\downarrow)</td>
</tr>
<tr>
<td>24 = 24 poles</td>
<td></td>
</tr>
</tbody>
</table>

**PRODUCT**

Dimensions in mm (inch)

- 2p to 6p with wedge, above 7p without wedge (including 7p)
- Number of poles
  \[N = \text{Number of poles} \quad \text{Dim A} = 3.50 \text{[0.138]} \quad \text{Dim B} = (N-1) \times 3.50 \text{[0.138]} \]

Poles
- 2p
- 3p
- 4p
- \(\downarrow\)
- 24p

**www.fci.com/terminalblocks**
**TECHNICAL DATA**

**PHYSICAL**
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

**MECHANICAL PERFORMANCE**
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

**PACKAGING**
- Standard: box

---

**FEATURES**
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system

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**REFERENCE DATA**

<table>
<thead>
<tr>
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<th>01-509</th>
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</thead>
<tbody>
<tr>
<td>PITCH (mm)</td>
<td>5.00</td>
<td>5.08</td>
</tr>
<tr>
<td>VOLTAGE RATING (VAC)</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>CURRENT RATING (A)</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>SOLID/STRANDED WIRE (AWG)</td>
<td>12-24</td>
<td>12-24</td>
</tr>
<tr>
<td>WIRE CROSS SECTION (mm²)</td>
<td>0.05 x 0.05</td>
<td>0.05 x 0.05</td>
</tr>
<tr>
<td>WIRE STRIP LENGTH (mm)</td>
<td>7-8</td>
<td>7-8</td>
</tr>
<tr>
<td>TORQUE (Ncm)</td>
<td>5.3 (03)</td>
<td>5.3 (03)</td>
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<td>WITHSTANDING VOLTAGE (VAC)</td>
<td>16</td>
<td>16</td>
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<tr>
<td>OPERATING TEMP. (°C)</td>
<td>-40°-115</td>
<td>-40°-115</td>
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<tr>
<td>POLES AVAILABLE</td>
<td>02-24</td>
<td>02-24</td>
</tr>
</tbody>
</table>

**SAFETY CERTIFICATE**
- cULus recognized

---

**PRODUCT**

![Product Diagram](image)

**MATING DATA**

- Pluggable socket STR
  - 5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
  - 5.00 / 5.08 mm - mpn 20020 110

---

**PART NUMBERS**

| 2002006 | Pitch | Poles | 1 | B | 01 | LF |

- **Pitch**
  - G = 5.00 mm
  - H = 5.08 mm

- **Poles**
  - 02 = 2 poles
  - 03 = 3 poles
  - 04 = 4 poles
  - 24 = 24 poles

---

**TYPICAL APPLICATIONS**

![Typical Application Diagram](image)
**Pluggable Plug - contact down side - Power**

Pitch 7.62mm (.300")

**FEATURES**
- Robust and solid design
- Modular system, 2 up to 16 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- RoHs compatible

**TECHNICAL DATA**

**PHYSICAL**
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

**MECHANICAL PERFORMANCE**
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

**PACKAGING**
- Standard: box

**REFERENCE DATA**

<table>
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<tr>
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<tr>
<td>T0 SERIES NAME</td>
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<tr>
<td>PITCH (mm)</td>
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<tr>
<td>VOLTAGE RATING (VAC)</td>
<td>300</td>
</tr>
<tr>
<td>CURRENT RATING (A)</td>
<td>32</td>
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<tr>
<td>SOLID/STRANDED WIRE GAUGE</td>
<td>24-24</td>
</tr>
<tr>
<td>WIRE CROSS SECTION (mm²)</td>
<td>0.092 2.2</td>
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<tr>
<td>WIRE STRIP LENGTH (mm)</td>
<td>10-11</td>
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<tr>
<td>TORSION (Nm)</td>
<td>0.040</td>
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<tr>
<td>SCREW (mm)</td>
<td>M3.5</td>
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<tr>
<td>WITHSTANDING VOLTAGE (VAC)</td>
<td>600</td>
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<tr>
<td>OPERATING TEMP. (°C)</td>
<td>-40-115</td>
</tr>
<tr>
<td>POLES AVAILABLE</td>
<td>2-16</td>
</tr>
</tbody>
</table>

**SAFETY CERTIFICATE**
- UL

**MATING DATA**
- Pluggable socket STR TMT 7.62mm - mpn 20020 620
- Pluggable socket RA TMT 7.62mm - mpn 20020 618

**TYPICAL APPLICATIONS**

**PART NUMBERS**

| 20020516 | Pitch Poles 1 8 01 LF |

| Pitch = 7.62 mm |

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<tbody>
<tr>
<td>02 = 2 poles</td>
</tr>
<tr>
<td>03 = 3 poles</td>
</tr>
<tr>
<td>04 = 4 poles</td>
</tr>
<tr>
<td>16 = 16 poles</td>
</tr>
</tbody>
</table>

**PRODUCT**

| N = Number of poles |
| Dim L = 7.62±0.001 |
| Dim P = 3.81±0.001 |

<table>
<thead>
<tr>
<th>TOL.</th>
<th>Dim L</th>
<th>Dim P</th>
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<tbody>
<tr>
<td>2-4p</td>
<td>±0.100 (0.004)</td>
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<tr>
<td>5-8p</td>
<td>±0.150 (0.006)</td>
<td></td>
</tr>
<tr>
<td>9-12p</td>
<td>±0.200 (0.008)</td>
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</tr>
<tr>
<td>13-16p</td>
<td>±0.300 (0.012)</td>
<td></td>
</tr>
</tbody>
</table>
Pluggable Socket - straight - Signal
Pitch 3.50mm (.138") / 3.81mm (.150")

**FEATURES**
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- RoHS compatible

**TECHNICAL DATA**

**PHYSICAL**
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

**MECHANICAL PERFORMANCE**
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

**PACKAGING**
- Standard: box

**REFERENCE DATA**

<table>
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<td>FCI SERIES NAME</td>
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<td>PITCH (mm)</td>
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<td>VOLTAGE RATING (VAC)</td>
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<tr>
<td>CURRENT RATING (A)</td>
</tr>
<tr>
<td>WITHSTANDING VOLTAGE (VAC)</td>
</tr>
<tr>
<td>OPERATING TEMP. (°C)</td>
</tr>
<tr>
<td>SOLDERING TEMP. (°C)</td>
</tr>
<tr>
<td>POLES AVAILABLE</td>
</tr>
</tbody>
</table>

**MATING DATA**
- Pluggable plug- key on entry side
- 3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
- 3.50 / 3.81 mm - mpn 20020 004

**TYPICAL APPLICATIONS**

**PART NUMBERS**

20020107 - Pitch Poles 1 A 01 LF

- Pitch
  - C = 3.50 mm
  - D = 3.81 mm

- Poles
  - 02 = 2 poles
  - 03 = 3 poles
  - 04 = 4 poles
  - 24 = 24 poles

**PRODUCT**

Dimensions in mm (inch)

- N = Number of poles
- A = Dim A
- B = Dim B
- C = Dim C

**www.fci.com/terminalblocks**
Terminal Blocks, Pluggable

Pluggable Socket - straight - Signal
Pitch 5.00mm (.197") / 5.08mm (.200"")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

PROPERTY TABLE

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<tr>
<th>PROPERTY</th>
<th>SERIES NAME</th>
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<td>PITCH (mm)</td>
<td>5.00</td>
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<tr>
<td>CURRENT RATING (A)</td>
<td>12</td>
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<td>WITHSTANDING VOLTAGE (VDC)</td>
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<td>OPERATING TEMP (C)</td>
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<td>SOLDERING TEMP (C)</td>
<td>250</td>
<td>250</td>
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<tr>
<td>(5 sec.)</td>
<td>(5 sec.)</td>
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<tr>
<td>POLES AVAILABLE</td>
<td>02-24</td>
<td>02-24</td>
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</table>

SAFETY CERTIFICATE: cULus

MATING DATA
- Pluggable plug- hook on entry side
  5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
  5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS

PART NUMBERS

20020107 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
24 = 24 poles

PRODUCT

dimensions in mm (inch)

www.fci.com/terminalblocks
Terminal Blocks, Pluggable

Pluggable Socket - straight - Power
Pitch 7.62mm (.300")

FEATURES
- Robust and solid design
- Modular system, 2 up to 16 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- RoHs compatible
- cULus recognized

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

<table>
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<tr>
<td>PITCH (mm)</td>
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<tr>
<td>VOLTAGE RATING (VAC)</td>
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<td>CURRENT RATING (A)</td>
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<tr>
<td>WITHSTANDING VOLTAGE (VAC)</td>
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<td>OPERATING TEMP. (°C)</td>
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<tr>
<td>SOLDERING TIME (sec)</td>
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<td>POLES AVAILABLE</td>
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</table>

SAFETY CERTIFICATE
- cULus

MATING DATA
- Pluggable plug- contact down side
  7.62 mm - mpn 20020 516

TYPICAL APPLICATIONS

PART NUMBERS

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>Pitch</th>
<th>Poles</th>
<th>1</th>
<th>A</th>
<th>01</th>
<th>LF</th>
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<tbody>
<tr>
<td>20020620</td>
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<td></td>
<td>1</td>
<td>A</td>
<td>01</td>
<td>LF</td>
</tr>
</tbody>
</table>

Poles
- 02 = 2 poles
- 03 = 3 poles
- 04 = 4 poles
- 16 = 16 poles

PRODUCT

dimensions in mm (inch)

www.fci.com/terminalblocks
Pluggable Socket - right angle - Signal
Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- RoHS compatible

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHS compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

PROPERTY TABLE

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>FOOTPRINT</th>
<th>VALUE 1</th>
<th>VALUE 2</th>
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<tbody>
<tr>
<td>SERIES</td>
<td>D-50</td>
<td>D-38</td>
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<td>PITCH (mm)</td>
<td>3.50</td>
<td>3.81</td>
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<tr>
<td>WITHSTANDING VOLTAGE (V)</td>
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<td>OPERATING TEMP (℃)</td>
<td>-40-155</td>
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<tr>
<td>SOLDERING TEMP (℃)</td>
<td>256±50</td>
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<td>POLES AVAILABLE</td>
<td>02-24</td>
<td>07-24</td>
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</table>

SAFETY CERTIFICATE: CE, UL

MATING DATA

- Pluggable plug - key on entry side
  3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug - contact up side
  3.50 / 3.81 mm - mpn 20020 004

TYPICAL APPLICATIONS

PART NUMBERS

20020110 - Pitch Poles 1 A 01 LF

**Pitch**
- C = 3.50 mm
- D = 3.81 mm

**Poles**
- 02 = 2 poles
- 03 = 3 poles
- 04 = 4 poles
- 24 = 24 poles

PRODUCT

dimensions in mm (inch)

N = Number of poles
Dim A = Dim B + 4.0 (.157)
Dim B = (N-1) x 3.5 (.138)

RECOMMENDED PCB LAYOUT

www.fci.com/terminalblocks
**Pluggable Socket - right angle - Signal**

**Pitch 5.00mm (.197") / 5.08mm (.200")**

### FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- RoHS compatible

### PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

### MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

### PACKAGING
- Standard: box

### TECHNICAL DATA

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<tr>
<th>PROPERTY</th>
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<td>FC SERIES NAME</td>
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<td>5.00 5.08</td>
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<td>VOLTAGE RATING (VAC)</td>
<td>300 300</td>
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<td>CURRENT RATING (A)</td>
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<td>WITSTANDING VOLTAGE (VAC)</td>
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<td>OPERATING TEMP. (°C)</td>
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<td>SOLDERING TEMP. (°C)</td>
<td>260 ±10 260 ±10</td>
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<td>POLES AVAILABLE</td>
<td>2-24 3-24</td>
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### MATING DATA
- Pluggable plug- hook on entry side
  - 5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
  - 5.00 / 5.08 mm - mpn 20020 004

### TYPICAL APPLICATIONS
- Dimensions in mm (inch)

### PART NUMBERS

- 20020110 - Pitch Poles 1 A 01 LF

### PRODUCT

- Dimensions in mm (inch)

www.fci.com/terminalblocks
**Terminal Blocks, Pluggable**

**Pluggable Socket - right angle - Power**

**Pitch 7.62mm (.300")**

**FEATURES**
- Robust and solid design
- Modular system, 2 up to 16 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- RoHs compatible

**TECHNICAL DATA**

**PHYSICAL**
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

**MECHANICAL PERFORMANCE**
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

**PACKAGING**
- Standard: box

**REFERENCE DATA**

**MATING DATA**
- Pluggable plug - contact down side
  7.62 mm - mpn 20020 516

**TYPICAL APPLICATIONS**

**PART NUMBERS**

| 20020618 | Pitch Poles 1 A 01 LF |
|---|---|---|---|---|
| Pitch M = 7.62 mm |

**POLES**
- 02 = 2 poles
- 03 = 3 poles
- 04 = 4 poles
- 16 = 16 poles

**PRODUCT**

Dimensions in mm (inch)

N = Number of poles
\[ D_{in} = \frac{N - 1}{2} \times 7.62 \times \left( \frac{0.203}{2} \right) \]
Terminal Blocks, Fixed

Fixed - horizontal wire inlet - Signal
Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- RoHS compatible

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHS compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

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</table>

PACKAGING

PART NUMBERS

20020327 - Pitch Poles 1 B 01 LF

PRODUCT

dimensions in mm (inch)

www.fci.com/terminalblocks
Terminal Blocks, Fixed

Fixed - horizontal wire inlet - Signal
Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES
- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- RoHs compatible

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCES DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
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<td>PITCH (mm)</td>
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<td>VOLTAGE RATING (VAC)</td>
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<tr>
<td>CURRENT RATING (A)</td>
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<tr>
<td>SOLID/STRANDED WIRE (AWG)</td>
<td>12-28</td>
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<td>WIRE CROSS SECTION (mm²)</td>
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<td>WIRE STRIP LENGTH (mm)</td>
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<td>TONGUE (diam)</td>
<td>13.48</td>
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<td>TOLERANCE</td>
<td>±0.03</td>
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<td>MEDIAN VOLTAGE (V): 500</td>
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<td>OPERATING TEMP (°C)</td>
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<tr>
<td>SOLDERING TEMP (°C)</td>
<td>250 ±10</td>
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<tr>
<td>POLES</td>
<td>2-24</td>
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<tr>
<td>SAFETY CERTIFICATE</td>
<td>Pending</td>
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</table>

PART NUMBERS

20020316 - Pitch Poles 1 B 01 LF

Pitch
- G = 5.00 mm
- H = 5.08 mm

Poles
- 02 = 2 poles
- 03 = 3 poles
- 04 = 4 poles
- 24 = 24 poles

PRODUCT

N = Number of poles
Dm: A = N x 5.0 (.197"")
Dm: B = (N - 1) x 5.0 (.197"")
Terminal Blocks, Fixed

Fixed - horizontal wire inlet - Power
Pitch 7.62mm (.300”)

FEATURES
- Robust and solid design
- Modular system, 2 and 3 poles.
- Horizontal wire inlet
- Power
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- cULus recognized

TECHNICAL DATA

PHYSICAL
- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE
- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING
- Standard: box

REFERENCE DATA

TYPICAL APPLICATIONS

PART NUMBERS

PRODUCT

dimensions in mm (inch)
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<th>Product description</th>
<th>No. of Pos.</th>
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<td><strong>PLUGGABLE TERMINAL BLOCKS</strong></td>
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<tr>
<td>20020008-CYY1B01LF</td>
<td>3,50</td>
<td>Pluggable plug / key on entry side / signal</td>
<td>02~24p</td>
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<tr>
<td>20020008-DYY1B01LF</td>
<td>3,81</td>
<td>Pluggable plug / key on entry side / signal</td>
<td>02~24p</td>
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<td>20020008-GYY1B01LF</td>
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<td>Pluggable plug / hook on entry side / signal</td>
<td>02~24p</td>
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<td>20020008-HYY1B01LF</td>
<td>5,08</td>
<td>Pluggable plug / hook on entry side / signal</td>
<td>02~24p</td>
<td>5</td>
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<tr>
<td>20020004-CYY1B01LF</td>
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<td>Pluggable plug / contact up side / signal</td>
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<td>Pluggable plug / contact up side / signal</td>
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<td>20020516-MYY1B01LF</td>
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<td>Pluggable plug / contact down side / power</td>
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<td>20020107-CYY1A01LF</td>
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<td>Pluggable socket / straight / signal</td>
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<td>20020107-DYY1A01LF</td>
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<td>Pluggable socket / straight / signal</td>
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<td>20020107-GYY1A01LF</td>
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<td>20020620-MYY1A01LF</td>
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<td>Pluggable socket / straight / power</td>
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<tr>
<td>20020110-CYY1A01LF</td>
<td>3,50</td>
<td>Pluggable socket / right angle / signal</td>
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<td>12</td>
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<td>20020110-DYY1A01LF</td>
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<td>Pluggable socket / right angle / signal</td>
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<td>20020618-MYY1A01LF</td>
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<td>Pluggable socket / right angle / power</td>
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<td><strong>FIXED TERMINAL BLOCKS</strong></td>
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<td>20020327-CYY1B01LF</td>
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<td>Fixed 180° / horizontal / signal</td>
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<td>20020327-DYY1B01LF</td>
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<td>7,62</td>
<td>Fixed 180° / horizontal / power</td>
<td>02~03p</td>
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</table>
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