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PENNUNION™

Amphenol CONNECTING VISIONS FTG

KONNECT-IT® TERMINAL BLOCKS

Edison®

DINnectors®

Gladiator® from AutomationDirect

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A complete lineup of connection products in stock, priced right and ready to ship

- Economy line screw-type DIN rail mounted terminal blocks (Konnect-It®)
- Full-featured line screw-type DIN rail mounted terminal blocks (DINnectors®)
- Screwless DIN rail mounted terminal blocks (DINnectors®)
- Direct mount terminal blocks
- Power distribution blocks
- Open-style terminal blocks
- DIN rail (15mm and 35mm) clips and brackets
- Wire connectors and wiring tools

Konnect-It® DIN-Rail Terminal Blocks

Most control panels use some type of terminal strip or terminal block connector to connect the control wiring (PLCs, relays, contactors, etc.) to the field wiring.

The Konnect-It series offers cost-effective terminal blocks and related components that are modular in design and fit on a 35mm or 15mm DIN rail. These terminal blocks employ a terminal connection system that meets the demands of the industrial environment and are suitable for factory wiring as well as field-wiring connections.

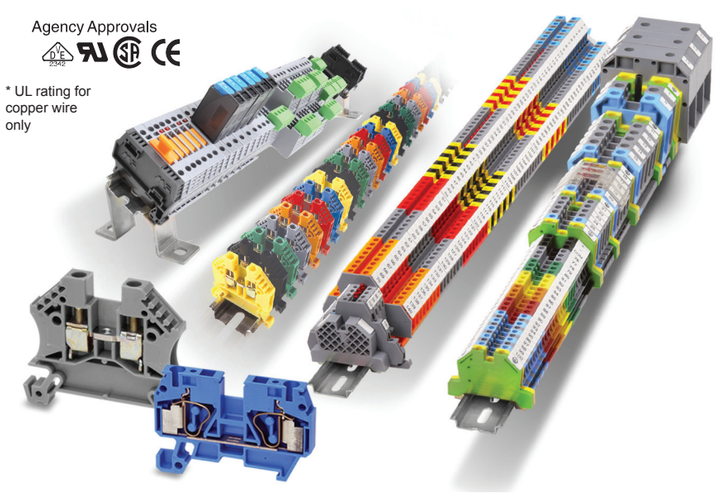
Konnect-It blocks can terminate solid or stranded wires ranging from 26 to 2/0 AWG, and offer fusing, grounding, or disconnecting capability within the electrical terminal block itself.

- 100kA Short Circuit Capacity Rating (SCCR)
- Multiple international colors available

DINnectors®

Agency Approvals

* UL rating for copper wire only



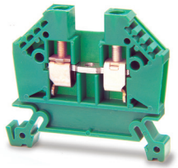
DINnectors Full-featured Terminal Blocks

DIN*nectors* provide a means of connecting and identifying two or more wires within the demands of an industrial environment.

DIN*nectors* can terminate solid or stranded wires ranging from 24 to 3/0 AWG (18 to 3/0 for CSA), and offer fusing, grounding, or disconnecting capability within the terminal block itself.

Most DIN*nectors* are modular in design, so you can mix as many combinations of types, wire-sizes, and quantities as can fit on the universal DIN rail.

Our range of DIN*nectors* terminal blocks is internationally approved by various national and international standards organizations such as UL, CSA, VDE, SEV, RINA, and IEC.

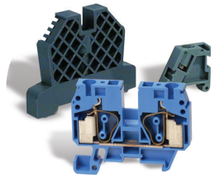


Standard Screw DIN Rail Terminal Blocks (DIN*nectors*)

The DINnectors screw-type terminal block series includes single, double, and triple-level terminal blocks, some in up to seven colors. Fuse and ground terminal blocks are also available.

Thermocouple, plug-in and supplementary protector terminal blocks support specialty applications.

Terminal block accessories include end brackets, end covers, separators, top covers, jumpers, marking tags, mounting rail, and angled rail support brackets.



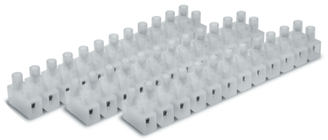
Screwless DIN Rail Terminal Blocks (DIN*nectors*)

The DINnectors screwless terminal block series includes single, double-level, common-point, disconnect, ground, and plug-in terminal blocks.

- Faster installation than standard screws with easy clamp system connection
- Vibration-proof connection
- Plug-in models
- Meets UL, CSA, and IEC standards

Direct mount terminal blocks

Direct-mount terminal blocks are a low-cost alternative to modular blocks and can easily be cut to length.



DIN Rails, Clips, and Brackets

Steel and aluminum DIN rail, raised DIN rail, support brackets, and mounting clips for DINnectors® terminal blocks and other devices are available for a range of applications.

DIN rail is offered in standard and variable/pre-cut lengths. Pre-cut and deburred lengths save time and eliminate the dangers of cutting and drilling product with sharp edges. 12 pre-cut DIN rail lengths ranging from 72 to 858mm are available.

Wire Strip and Crimp Tools

Our high-quality industrial wire stripping and crimping tools are designed for a wide variety of electrical, electronic, and data connectors. All crimper tools crimp a wide range of insulated and non-insulated crimping terminals, ferrules, and connectors. All crimpers have ergonomic handles featuring controlled-cycle ratcheting mechanisms to guarantee uniform crimps every time. Crimper tools are available as fixed, interchangeable, or rotatable dies, or tool/die sets with multiple dies.

- Self-adjusting cut and strip tool
- Precision stripping tool
- Modular and self-adjusting crimping tool system
- Rotatable die for front or side crimping
- Crimping tool and die sets
- Fixed-die ferrule and terminal crimping tools
- Ferrule and terminal assortment kits

Ferrules and Crimping Terminals

High-quality insulated ferrules and crimping terminals in a number of styles provide safe and reliable wiring connections.

For the latest prices, please check AutomationDirect.com.

KONNECT-IT® TERMINAL BLOCKS

Available in single-level, double-level, triple-level, sensor, mini, grounding, fuse holder and disconnect types. Konnect-it terminal blocks can terminate solid or stranded wires ranging from 26 to 2/0 AWG.

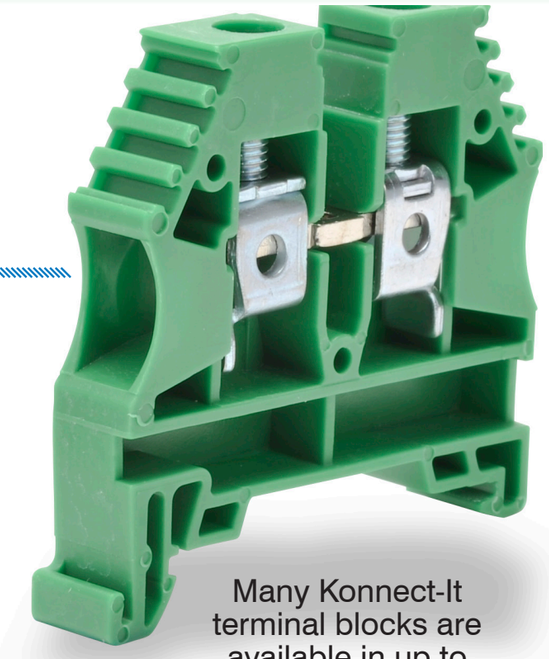
Screw-type at a glance

- 100kA Short Circuit Capacity Rating (SCCR)
  Multiple international colors available

Agency Approvals

KONNECT-IT® TERMINAL BLOCKS

A full lineup of economically-priced terminal blocks and accessories



Many Konnect-It terminal blocks are available in up to 8 colors!

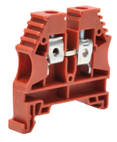
Single-level Feed-through Terminal Blocks

Can handle currents up to 175A. These blocks accept a wide range of wiring sizes from 26 AWG to 2/0 AWG and have a 100kA SCCR rating.

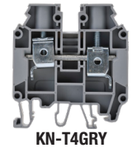
KN-T12SP4
(Gray only)

KN-T12BLU-xxx
(All colors)

KN-T10GRY-xxx
(All colors)


KN-T8RED-xxx
(All colors)

KN-T6ORG-xxx
(All colors)


KN-T4GRY
(Gray and blue only)

KN-T2GRY
(Gray and blue only)

KN-T1/0GRY
(Gray and blue only)

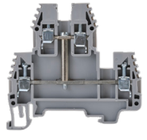
KN-T2/0GRY
(Gray and blue only)

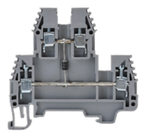
Double-level Feed-through Terminal Blocks

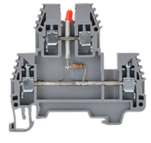
Come in 20A and 30A versions and a variety of colors. Optional features include LED indications, diode and direct cross level connections, and double-level terminal blocks with an added grounding leg.

KN-D12GRY

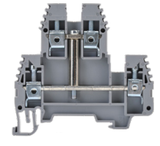
KN-DG12

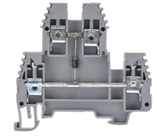

KN-D12X

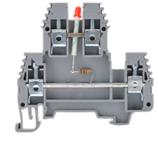

KN-D12DR1


KN-D12LED-24DC

KN-D10GRY

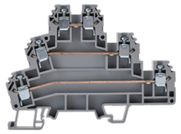

KN-D10X

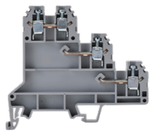

KN-D10DR1

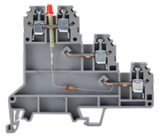

KN-D10LED-24DC

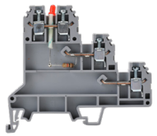
Triple-level Feed-through Terminal Blocks

Can handle up to 24A and can accept a wide range of wiring sizes from 24 AWG to 12 AWG. Optional features include NPN and PNP sensor blocks with LED indication, as well as triple-level terminal blocks with an added grounding leg.


KN-TL14


KN-TL14S

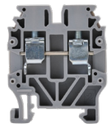

KN-TL14SLN


KN-TL14SLP

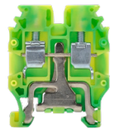
KN-TG12

Mini Terminal Blocks

Available in two conductor cross section sizes, 20A and 30A capacities, and mountable on 15mm DIN rails.


KN-M12GRY

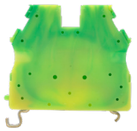
KN-M10GRY

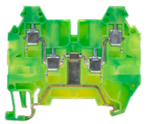

KN-MG12

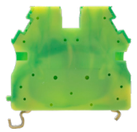
KN-MG10

Ground Terminal Blocks

Available with screw-down or snap-on clamping ground connection and offer low contact resistance and corrosion-free connection points.


KN-G12SP


KN-G12SP4


KN-G10SP

KN-G10

KN-G8

KN-G4

KN-G2

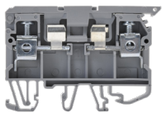
KN-G1/0

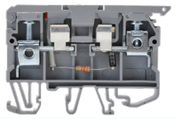
KN-MG12

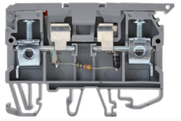
KN-MG10

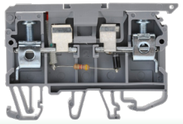
Circuit Protection Blocks

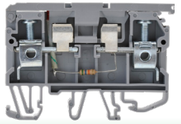
Fuse holder terminal blocks can be used with 5mm x 20mm glass fuses up to 6.3A. Fuses are easily installed and removed. Fuse holder terminal blocks are an ideal solution when there is a need to change fuses while the system is powered.

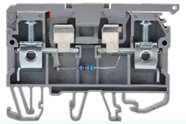

KN-F10

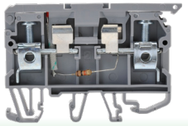

KN-F10L110AC


KN-F10L220AC


KN-F10L24AC

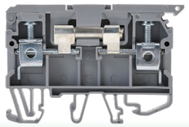

KN-F10L110DC

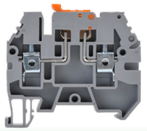

KN-F10L220DC


KN-F10L24DC

Disconnect Terminal Blocks

Disconnect terminal blocks are an easy solution to enable circuits to be opened or to perform tests while the system is powered.


KN-F10-DCH


KN-KBD10

Accessories

- Separators
- Top Covers
- Label Holders
- End Brackets
- Jumpers
- Marking Tags

. . . and more

For the latest prices, please check AutomationDirect.com.

DINnectors®

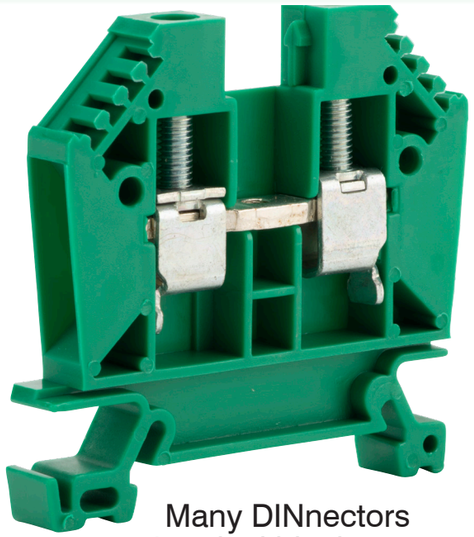
Screw-type at a glance

Available in single-level, double-level, triple-level, sensor, mini, grounding, plug-in, fuse holder, and disconnect types. DINnectors terminal blocks can terminate solid or stranded wires ranging from 30 to 3/0 AWG.

- Up to 100kA SCCR
- Multiple international colors available

Agency Approvals

DINnectors®



Many DINnectors terminal blocks are available in up to 9 colors!

Single-level Feed-through Terminal Blocks

Can handle currents up to 185A. These blocks accept a wide range of wiring sizes from 24 AWG to 3/0 AWG and have a 100kA SCCR rating.

DN-T12-A
(All colors)

DN-T10-A
(All colors)

DN-T8
(All colors except brown)

DN-T6
(Gray and blue only)

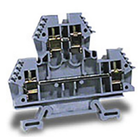
DN-T4
(Gray and blue only)

DN-T1/0
(Gray and blue only)

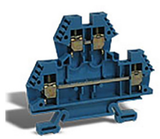
DN-T3/0
(Gray and blue only)

Double-level Feed-through Terminal Blocks

30A terminal blocks with 100kA SCCR are available in a variety of colors. Optional features include LED indications and diode and direct cross level connections.

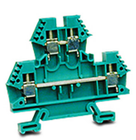


DN-D10-A



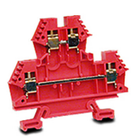
DN-D10B-A

DN-D10BLK-A



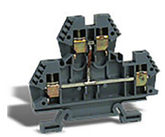
DN-D10GRN-A

DN-D100RG-A

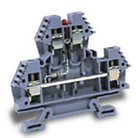


DN-D10RED-A

DN-D10YEL-A



DN-D10X-A



DN-D10LED1-A

DN-D10DR-A

Triple-level Feed-through Terminal Blocks

Handles up to 10A, can accept a range of wiring sizes from 26 AWG to 14 AWG, and offers a 10kA SCCR. Optional features include NPN and PNP sensor blocks with LED indication.

DN-TL14-A

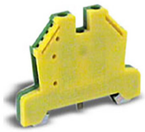
DN-TL14S-A

DN-TL14SLN-A

DN-TL14SLP-A

Ground Terminal Blocks

Ground terminal blocks feature screw-down ground connections, low contact resistance, and corrosion-free connection points.



DN-G10

DN-G8

DN-G6

DN-G4

DN-G1/0

Terminal Block Sockets

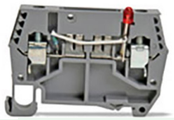
DN-FE series terminal block sockets accept separately available circuit disconnects or supplementary protectors. They offer a 10kA SCCR and ratings up to 25A when used as a disconnect or up to 10A when used as a supplementary protector.

DN-FE2

DN-FE2L12

DN-FE2L24

DN-FE4



DN-FE4L12

DN-FE4L24

Mini Terminal Blocks

Handles up to 30A, accepts a range of wire sizes from 24 to 10 AWG, offers a 10kA SCCR, and is mountable on 15mm DIN rails.

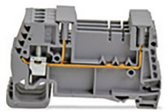
DN-M10-A

DN-M10B-A

DN-MG10

Plug-in Terminal Blocks

Handles up to 12A, accepts a range of wire sizes from 24 to 12 AWG, and offers a 10kA SCCR.



DN-EMXM1

DN-EMXDV

Fuse Terminal Blocks

DN-F6 series fuse terminal blocks are available for 1 1/4" x 1/4" fuses in ratings up to 30A. They accept a range of wire sizes from 20 to 6 AWG and offer a 10kA SCCR.

DN-F6

DN-F6L110

DN-F6L220

DN-F6L24

Accessories

- Separators
- Top Covers
- Label Holders
- End Brackets
- Jumpers
- Marking Tags

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Agency Approvals

Fuse Terminal Blocks (cont.)

DN-F10 series fuse terminal blocks are available for 5x20mm-5x25mm fuses in ratings up to 15A. They accept a range of wire sizes from 24 to 10 AWG and offer a 10kA SCCR.

DN-F10

DN-F10L110

DN-F10L220

DN-F10L24

Disconnect Terminal Blocks

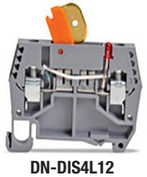
Disconnect terminal blocks are an easy solution to enable circuits to be opened or to perform tests while the system is powered.

DN-DIS2

DN-DIS2L12

DN-DIS2L24

DN-DIS4


DN-DIS4L12

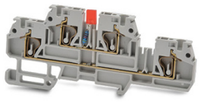
DN-DIS4L24

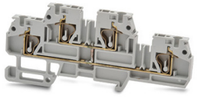
Double-level Screwless Feedthrough Terminal Blocks

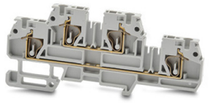
Handles up to 20A, can accept a range of wiring sizes from 24 AWG to 12 AWG, and offers a 10kA SCCR. Optional features include LED indications and diode and direct cross level connections.

DN-QD12-A

DN-QD12DR-A

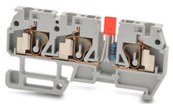

DN-QD12L2-A

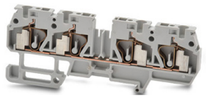

DN-QD12X-A


DN-Q12-1-2-A

DN-Q12-1-2DR-A

DN-Q12-1-2L1-A


DN-Q12-1-2L2-A


DN-Q12-2-2-A

DN-Q12-2-2D2-A

DN-Q12-2-2L2-A

Ground Screwless Terminal Blocks

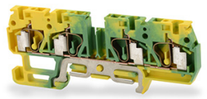
Ground terminal blocks feature screw-down ground connections, low contact resistance, and a 10kA SCCR.

DN-QG12

DN-QG10

DN-QG8

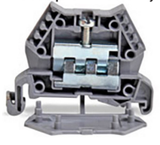
DN-QG12-1-2


DN-QG12-2-2

Thermocouple Blocks

Can accept a range of wire sizes from 30 to 16 AWG, and are intended for use with thermocouple wires only.

DN-THERM1

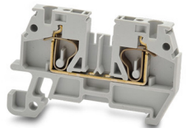

DN-THERM2

DN-DIS10

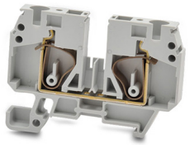
DN-KBD12

Single-level Screwless Feedthrough Terminal Blocks

Handles up to 45A, can accept a range of wiring sizes from 24 AWG to 8 AWG, and offers a 10kA SCCR.

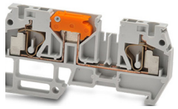

DN-Q12-A

DN-Q10-A


DN-Q8-A

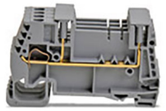
Disconnect Screwless Terminal Block

Disconnect terminal blocks are an easy solution to enable circuits to be opened or to perform tests while the system is powered.

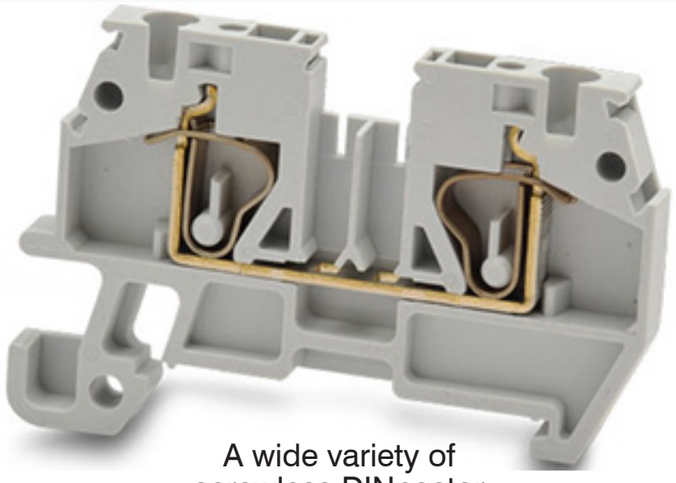

DN-QKBD12-A

Plug-in Screwless Terminal Blocks

Handles up to 12A, can accept a range of wire sizes from 24 to 12 AWG, and offers a 10kA SCCR.


DN-QEMXM1

DN-QEMXDV



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Distribution blocks for easy power wiring management

Edison Enclosed Style Power Distribution Blocks

Edison EPDB series UL-listed, enclosed style power distribution blocks manage power wiring, provide tap-off points, and prevent accidental contact with live wiring. These finger-safe, modular DIN-rail mounted blocks are suitable for UL508A panels, offer a range of amperage ratings, and provide high short-circuit current ratings.

- Ampere ratings up to 760 Amps
- 600 VAC or VDC
- 200kA SCCR with proper fusing
- Modular design for easy multi-pole assembly
- UL 1953 listed
- IP20 finger-safe protection rating (under specific conditions)

Edison Open Style Power Distribution Blocks

Edison HPB series UL-listed, open style power distribution blocks are suitable for UL508A panels and feature a wide range of pole configurations and amperage ratings. These panel-mounted blocks manage power wiring and branching, provide tap-off points, and offer high short-circuit current ratings.

- Ampere ratings up to 310 Amps
- 600 VAC or VDC
- 200kA SCCR with proper fusing
- UL 1953 listed
- Optional covers sold separately

PENNUNION Open Style Power Distribution Blocks

Penn Union APDB series open style power distribution blocks feature a modular design that allows easy assembly into multi-pole blocks. These power distribution blocks offer a rugged aluminum construction, dual ratings for aluminum and copper conductors, and are suitable for DIN rail or panel mounting.

- Ampere ratings up to 760 Amps
- 600 VAC or VDC
- UL assigned 100kA SCCR with proper fusing
- UL 1953 listed
- Polycarbonate flip-up finger-safe covers and line/load guards are included
- IP20 finger-safe protection rating (requires covers)

Power distribution blocks (cont.)

PENNUNION Splicer/Reducer Blocks

Penn Union ASRB series modular splicer/reducer blocks feature wide wire size ranges, allowing them to be used for in-line splices or to reduce the conductor size. These DIN rail or panel-mounted blocks are dual-rated for aluminum and copper conductors.

- Ampere ratings up to 760 Amps
- 600 VAC or VDC
- UL assigned 100kA SCCR with proper fusing
- UL 1953 listed
- Polycarbonate flip-up finger-safe covers and line/load guards are included
- IP20 finger-safe protection rating (requires covers)

Edison Open Style Terminal Blocks

Edison PB series UL-recognized, open style terminal blocks feature high short-circuit current ratings, a wide range of amperage ratings, and a variety of pole configurations. These panel-mounted blocks are suitable for UL508A panels to manage power wiring and branching and to provide tap-off points.

- Ampere ratings up to 760 Amps
- 600 VAC or VDC
- 200kA SCCR with proper fusing
- UL 1059 recognized
- Optional covers sold separately

Gladiator GPB2 Series Enclosed Style Terminal Blocks

Gladiator GPB2 series UL-recognized, enclosed style terminal blocks provide a safe and reliable way to connect multiple electrical circuits to a single power source. These versatile components offer a compact, space-saving modular design and feature an innovative interlocking system for easy multi-pole assembly.

- Ampere ratings up to 510 Amps
- 1000 VAC / 1500 VDC ratings suitable for solar applications
- 100kA SCCR with proper fusing
- Blocks can be reversed for grouping multiple inputs into a single output
- Covers can be opened in two directions
- Accepts aluminum and copper conductors
- DIN rail or panel mount
- Each block includes pre-printed markers for easy and fast identification
- Flat conductor / busbar input options
- UL 1059 recognized
- IP10 or IP20 protection rating (depending on model)

Gladiator GPB1 Series Enclosed Style Terminal Blocks

Gladiator GPB1 series UL-recognized, enclosed style terminal blocks are ultra-compact, offering time-saving multiple wire connection options for a variety of control panel applications. Their inline, push-in spring connections save up to 50% of the installation time by locking the screwdriver into place for easy, virtually hands-free wiring.

- Ampere ratings up to 130 Amps
- Single-pole with 7, 15, or 16 connections
- 1000 VAC / 1500 VDC ratings suitable for solar applications
- 100kA SCCR with proper fusing
- UL 1059 recognized
- Built-in voltage test point
- Horizontal and vertical DIN rail mounting
- Panel mount with screws
- Each block includes pre-printed identification markers
- IP20 finger-safe protection rating

Power distribution blocks (cont.)

Amphenol FTG Enclosed Style Power Distribution Blocks

FTG UL-listed, enclosed style power distribution blocks offer many innovative refinements, including selectable phase identification, color marking plates, simple and secure DIN mounting clips, incoming cable safety slide, and connection clips for multi-pole applications.

- Ampere ratings up to 380 Amps
- 1000 VAC / 1500 VDC ratings
- 100kA SCCR with proper fusing
- Modular design for easy multi-pole assembly
- UL 1953 listed
- IP20 finger-safe protection rating

Amphenol FTG Enclosed Style Terminal Blocks

FTG UL-recognized, enclosed style terminal blocks feature a finger-safe construction and are suitable for use with aluminum or copper wires for maximum safety and flexibility. DIN rail or surface mounting makes installation fast and easy.

- Ampere ratings up to 840 Amps
- 600 VAC
- 10kA SCCR
- UL 1059 recognized
- IP20 finger-safe protection rating