

DIN TERMINAL BLOCKS

Modular, Rail-Mount Interconnect System

DIN-Rail System

DIN RAIL MOUNT INTERCONNECT SYSTEM

The Amphenol Pcd DIN rail-mount interconnect system consists of a broad range of feed-through, ground, double, switching, LED indicator, and fused terminal blocks, plus mounting rail. Modular DIN terminal blocks are available in a wide variety of sizes and specific configurations, and feature both screw-clamp and spring-clamp terminations. Blocks can be mixed and matched on standard DIN rail, and mounted with interface modules and other components to provide a complete connection system.

Related accessories include a full line of spacers, end clamps, end covers and bussing strips. A wide variety of marking options make the package convenient for customer use.

TERMINAL BLOCK FEATURES

Amphenol Pcd blocks provide the system designer with a rugged, compact, extremely flexible and well-designed interconnect family. Almost all blocks feature a multi-foot design, which permits mounting to any of the standard rails. This eliminates problems with mixed rails and blocks, simplifies system design, and reduces inventory.

Further user-oriented features include wide cable entry and funnel shaped guides which ensure that all wire strands enter the clamps, improved thread design to withstand over-torquing, bussing provisions and captive screws. Blocks are supplied ready to wire, with captive screws backed out.

BLOCK ASSEMBLIES

Modular blocks and accessories can be supplied separately, or as pre-assembled custom units, rail-mounted and marked to specification. Contact Amphenol Pcd to review your requirements

MATERIAL

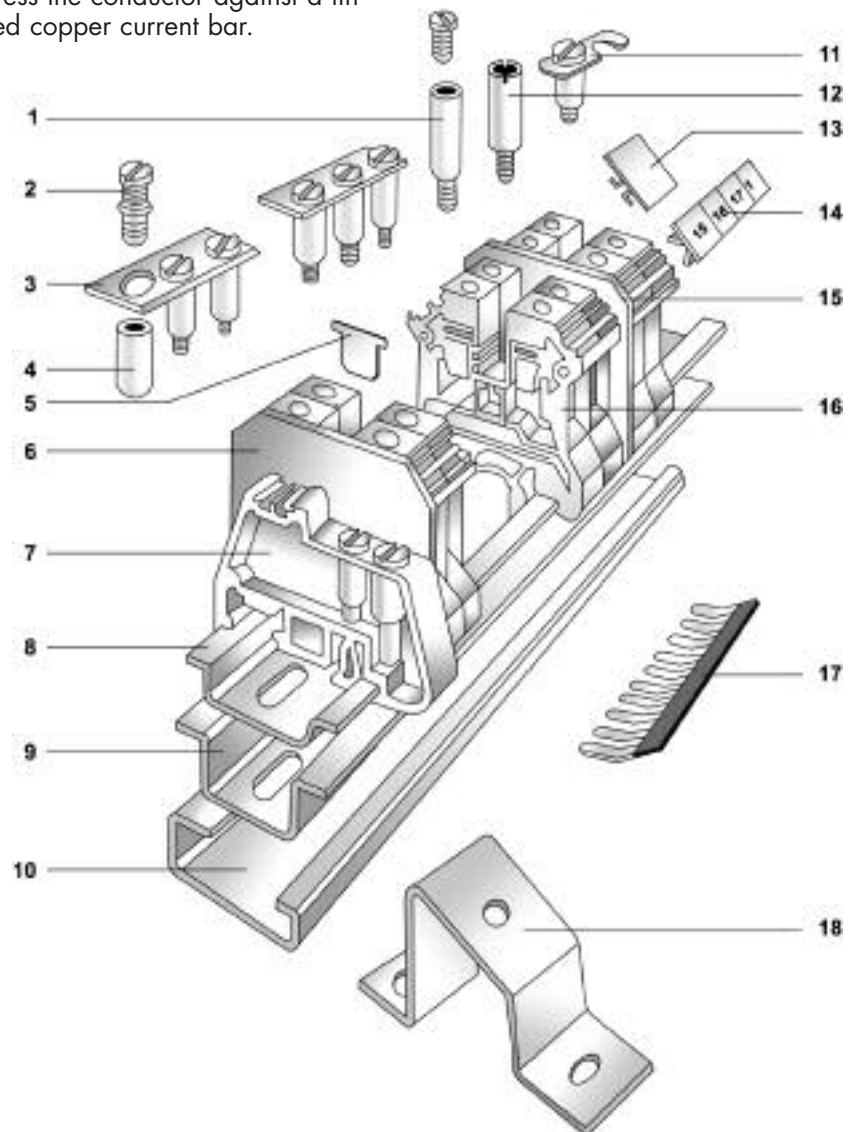
DIN terminal blocks are molded of high strength, flexible Polyamide 6.6 thermoplastic. This material features an operating range of -30° C to 100° C and has a long history of successful field application. High Current bus Bar type blocks (pages 130-131) are molded of high grade Melamine.

Screw clamp terminal bodies and screws are fabricated of hardened steel. The current bar is tin plated copper or high quality brass. Spring clamp terminal blocks incorporate a corrosion-resistant steel tension clamp to press the conductor against a tin plated copper current bar.

ELECTRICAL APPROVALS

All Amphenol Pcd DIN terminal blocks have been designed to conform to the international technical specification IEC947-7-1. UL recognition is under File No. 1059 and CSA approval File 22-2, No. 158.

In addition, the blocks also conform to other European and international standards such as DEMKO, NEMKO and KEMA. Contact Amphenol Pcd for details.



AmphenolPcd

FEED-THROUGH TERMINAL BLOCKS

Feed-through terminal blocks are available in nine sizes covering the wire range AWG24 - 4/0.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. A protective well in the center of the block provides access to a tapped hole in the current bar, facilitating bus bar or test socket connections.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

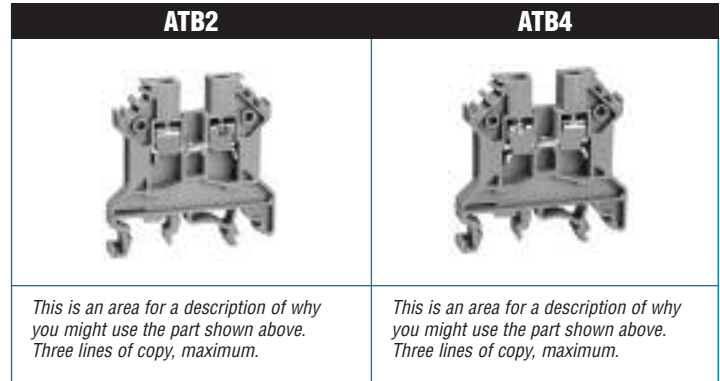
Insulation Material:
Polyamide

















**Accessory and Marking
Details:** Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |




























| Specifications | | | | | | | |
|---|---|---|---|---|---|---|----------|
| Pitch | 5 mm | | 6 mm | | | | |
| Height x Width | 45 x 43 mm | | 45 x 43 mm | | | | |
| Wire Range UL | 24-14 AWG | | 22-10 AWG | | | | |
| Strip Length | 9 mm | | 9 mm | | | | |
| Ratings | | | | | | | |
| |  |  |  |  |  |  | |
| Rated Cross Section | 22-12 AWG | 0.5-2.5 sq.mm | 24-14 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | |
| Current Rating | 25 A | 24 A | 20 A | 35 A * | 32 A | 40 A * | |
| Torque | 7 lb-in | 0.4 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in | |
| Accessories | | | | | | | |
| INSULATION | | | | | | | |
| End Plate |  | | | ATB2EP | | | |
| Partition Plate |  | | | ATB2PP | | | |
| Separator Plate |  | | | ATB2SP | | | |
| MOUNTING | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | ATBDR3251 ATBDR3551 ATBDR351551 | | | |
| End Stop |  | | | ATB2EC1 | | | |
| INTERCONNECTION | | | | | | | |
| Pre Assembled Shorting Links | 2 pole | | | ATB2SL12 | | ATB4SL12 | |
| | 3 pole |  | | | ATB2SL13 | | ATB4SL13 |
| | 10 pole | | | ATB2SL110 | | ATB4SL110 | |
| Insulated Pre Assembled Shorting Links | 2 pole | | | ATB2SL22 | | ATB4SL22 | |
| | 3 pole |  | | | ATB2SL23 | | ATB4SL23 |
| | 10 pole | | | ATB2SL210 | | ATB4SL210 | |
| Insulated Comb Type Shorting Link | 2 pole | | | ATB2CL12 | | ATB4CL12 | |
| | 3 pole |  | | | ATB2CL13 | | ATB4CL13 |
| | 10 pole | | | ATB2CL110 | | ATB4CL110 | |
| Test Socket |  | | | ATB2TS | | | |
| Marking | | | | | | | |
| Marking Tags | K Type |  | ATB2MT1 | | ATB4MT1 | | |

* 40 A with 2 Nos of 12 AWG wire; 35 A with 1 No of 10 AWG wire.

Feed-Through Terminal Blocks

| ATB6 | | | ATB10 | | | ATB16 | | | ATB25 | | |
|---|---|---|---|---|---|--|--|---|---|---|---|
|  | | |  | | |  | | |  | | |
| 8 mm | | | 10 mm | | | 12 mm | | | 12 mm | | |
| 47 x 43 mm | | | 47 x 43 mm | | | 47 x 43 mm | | | 56 x 49 mm | | |
| 22-8 AWG | | | 20-6 AWG | | | 20-4 AWG | | | 14-2 AWG | | |
| 12 mm | | | 12 mm | | | 16 mm | | | 18 mm | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 22-8 AWG | 1.5-6 sq.mm | 22-8 AWG | 22-6 AWG | 1.5-10 sq.mm | 20-6 AWG | 22-6 AWG | 2.5-16 sq.mm | 20-4 AWG | 12-2 AWG | 6-25 sq.mm | 14-2 AWG |
| 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| 50 A | 41 A | 50 A | 65 A | 57 A | 65 A | 70 A | 76 A | 85 A | 115 A | 101 A | 115 A |
| 9 lb-in | 0.8 Nm | 14 lb-in | 14 lb-in | 1.2 Nm | 14 lb-in | 14 lb-in | 2.0 Nm | 14 lb-in | 14 lb-in | 2.0 Nm | 14 lb-in |
| ATB6EP | | | | | | | | | ATB25EP | | |
| ATB6PP | | | | | | | | | ATB25PP | | |
| ATB6SP | | | | | | ATB16SP | | | | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | | | | | | | |
| ATB2EC1 | | | | | | | | | | | |
| ATB6SL12 | | | ATB10SL12 | | | ATB16SL12 | | | ATB25SL12 | | |
| ATB6SL13 | | | ATB10SL13 | | | ATB16SL13 | | | ATB25SL13 | | |
| ATB6SL110 | | | ATB10SL110 | | | ATB16SL110 | | | ATB25SL110 | | |
| ATB6SL22 | | | ATB10SL22 | | | ATB16SL22 | | | ATB25SL22 | | |
| ATB6SL23 | | | ATB10SL23 | | | ATB16SL23 | | | ATB25SL23 | | |
| ATB6SL210 | | | ATB10SL210 | | | ATB16SL210 | | | ATB25SL210 | | |
| ATB6CL12 | | | ATB10CL12 | | | | | | | | |
| ATB6CL13 | | | ATB10CL13 | | | | | | | | |
| ATB6CL110 | | | ATB10CL110 | | | | | | | | |
| | | | ATB6TS | | | | | | ATB25TS | | |
| ATB6MT1 | | | ATB10MT1 | | | ATB16MT1 | | | ATB25MT1 | | |

| ATB35 | ATB50 | ATB95 |
|---|--|---|
|  |  |  |
| | Protected Body | |

| Specifications | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|--|--|
| Pitch | 15 mm | | | 20.5 mm | | | 25 mm | | | | |
| Height x Width | 58 x 52.5 mm | | | 75.5 x 71 mm | | | 90 x 83 mm | | | | |
| Wire Range UL | 8-2 AWG | | | 6-2/0 AWG | | | 2-4/0 AWG | | | | |
| Strip Length | 18 mm | | | 22 mm | | | 24 mm | | | | |
| Ratings | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  | | |
| Rated Cross Section | 8-2 AWG | 10-35 sq.mm | 8-2 AWG | 6-2/0 AWG | 16-50 sq.mm | 6-2/0 AWG | 2-4/0 AWG | 16-95 sq.mm | 2-4/0 AWG | | |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 1000 V | 600 V | 600 V | 1000 V | 600 V | | |
| Current Rating | 145 A | 125 A | 145 A | 150 A | 150 A | 150 A | 230 A | 232 A | 230 A | | |
| Torque | 25 lb-in | 2.5 Nm | 25 lb-in | 60 lb-in | 6.8 Nm | 60 lb-in | 160 lb-in | 18.2 Nm | 160 lb-in | | |
| Accessories | | | | | | | | | | | |
| INSULATION | | | | | | | | | | | |
| End Plate |  | ATB35EP | | | | | | | | | |
| Partition Plate |  | ATB35PP | | | | | | | | | |
| Separator Plate |  | | | | | | | | | | |
| MOUNTING | | | | | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | | ATBDR3251 ATBDR3551 ATBDR351551 | | | | | | |
| End Stop |  | | | | ATB2EC1 | | | | | | |
| INTERCONNECTION | | | | | | | | | | | |
| Pre Assembled Shorting Links | 2 pole |  | ATB35SL12 | | | | | | | | |
| | 3 pole |  | ATB35SL13 | | | | | | | | |
| | 10 pole |  | ATB35SL110 | | | | | | | | |
| Insulated Pre Assembled Shorting Links | 2 pole |  | ATB35SL22 | | | | | | | | |
| | 3 pole |  | ATB35SL23 | | | | | | | | |
| | 10 pole |  | ATB35SL210 | | | | | | | | |
| Insulated Comb Type Shorting Link | 2 pole |  | | | | | | | | | |
| | 3 pole |  | | | | | | | | | |
| | 10 pole |  | | | | | | | | | |
| Test Socket |  | ATB25TS | | | | | | | | | |
| Marking | | | | | | | | | | | |
| Marking Tags | K Type |  | ATB35MT1 | | | | | | | | |

Multiple Connection Terminal Blocks

MULTIPLE CONNECTION TERMINAL BLOCKS

Multiple connection blocks enhance system density and flexibility by providing three or four bussed terminations in a feed-through configuration, plus block-to-block bridging capabilities.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. A protective well in the center of the block provides access to a tapped hole in the current bar, facilitating bus bar or test socket connections.

Note: Comb links can only be used with upper level terminations.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.


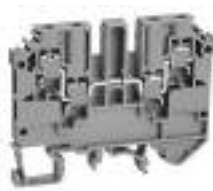
Insulation Material:
Polyamide
















Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |

| ATM41 | ATM42 |
|--|---|
|  |  |
| Three bussed screw clamps | Four bussed screw clamps |

| Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Pitch | 6 mm | | 6 mm | | | |
| Height x Width | 47 x 46.5 mm | | 51.5 x 65 mm | | | |
| Wire Range UL | 22-10 AWG | | 22-10 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| |  |  |  |  |  |  |
| Rated Cross Section | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG |
| Voltage Rating | 600 V | 630 V | 600 V | 600 V | 630 V | 600 V |
| Current Rating | 35 A | 32 A | 35 A | 35 A | 32 A | 35 A |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate |  | ATM41EP | | ATM42EP | | |
| Separator Plate |  | | | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | ATBDR3251 ATBDR3551 ATBDR351551 | | |
| End Stop |  | ATB2EC1 | | | | |
| INTERCONNECTION | | | | | | |
| Pre Assembled Shorting Links | 2 pole 3 pole 10 pole |  | ATB4SL12 ATB4SL13 ATB4SL110 | | | |
| Insulated Pre Assembled Shorting Links | 2 pole 3 pole 10 pole |  | ATB4SL22 ATB4SL23 ATB4SL210 | | | |
| Insulated Comb Type Shorting Link | 2 pole 3 pole 10 pole |  | ATB4CL12 ATB4CL13 ATB4CL110 | | | |
| Test Socket |  | ATB2TS | | | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ATB4MT1 | | | |

DOUBLE LEVEL FEED-THROUGH BLOCKS

Double level blocks double system density, and are available with two individual circuits, or with internally bussed circuits. When used in conjunction with shorting links at the lower level, these blocks are ideal for distribution applications.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. Tapped holes in the current bar, facilitating bus bar or test socket connections.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.



Insulation Material:
Polyamide






















Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |

| ATD4 | ATDS4 |
|--|---|
|  |  |
| <i>Separate circuits</i> | <i>Circuits bussed internally</i> |

| Specifications | | | | | | | |
|---|---|---|---|---|---|---|---------|
| Pitch | 6 mm | | 6 mm | | | | |
| Height x Width | 54 x 55.5 mm | | 54 x 55.5 mm | | | | |
| Wire Range UL | 20-10 AWG | | 22-10 AWG | | | | |
| Strip Length | 9 mm | | 9 mm | | | | |
| Ratings | | | | | | | |
| |  |  |  |  |  |  | |
| Rated Cross Section | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | |
| Voltage Rating | 300 V | 400 V | 300 V | 300 V | 400 V | 300 V | |
| Current Rating | 35 A | 32 A | 35 A | 35 A | 32 A | 35 A | |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in | |
| Accessories | | | | | | | |
| INSULATION | | | | | | | |
| End Plate |  | | | | | ATD4EP | |
| Separator Plate |  | | | | | ATD4SP | |
| MOUNTING | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | | | ATBDR3251 ATBDR3551 ATBDR351551 | |
| End Stop |  | | | | | ATB2EC1 | |
| INTERCONNECTION | | | | | | | |
| Pre Assembled Shorting Links | 2 pole |  | | | | ATD4SL12 | |
| | 3 pole |  | | | | ATD4SL13 | |
| | 10 pole |  | | | | ATD4SL110 | |
| Insulated Pre Assembled Shorting Links | 2 pole |  | | | | ATD4SL22 | |
| | 3 pole |  | | | | ATD4SL23 | |
| | 10 pole |  | | | | ATD4SL210 | |
| Insulated Comb Type Shorting Link | 2 pole |  | | | | ATD4CL12 | |
| | 3 pole |  | | | | ATD4CL13 | |
| | 10 pole |  | | | | ATD4CL110 | |
| Test Socket |  | | | | | ATD4TS | |
| Marking | | | | | | | |
| Marking Tags | K Type |  | | | | | ATD4MT1 |

Offset Double Level Feed-Through Blocks

OFFSET DOUBLE LEVEL FEED-THROUGH BLOCKS

Offset double level blocks incorporate a design feature wherein upper level contacts are offset from the bottom level by half the thickness of the block. This provides easier access to bottom level contact screws, permits bussing interconnections to be utilized at both levels, and improves the visibility of lower level marking tags by offsetting them from the wires.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. Tapped holes in the current bar, facilitating bus bar or test socket connections.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

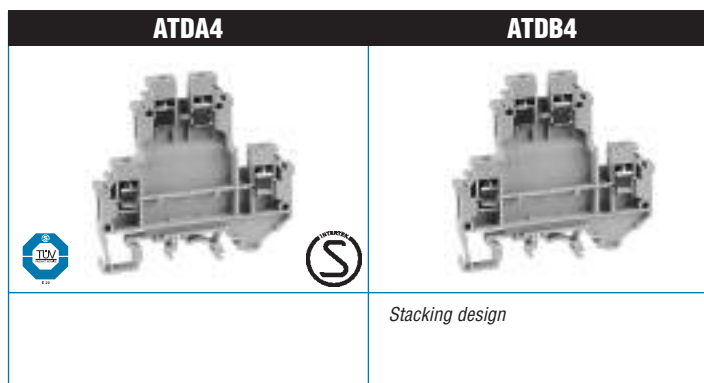
Insulation Material:
Polyamide

Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |



| Specifications | | | | | | |
|---|---------------------------------------|-------------|------------|-------------|-------------|-----------|
| Pitch | 6 mm | | 6 mm | | | |
| Height x Width | 63 x 68 mm | | 63 x 68 mm | | | |
| Wire Range UL | 22-10 AWG | | 22-10 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| | | | | | | |
| Rated Cross Section | 22-12 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG |
| Voltage Rating | 600 V | 630 V | 600 V | 600 V | 630 V | 600 V |
| Current Rating | 35 A | 32 A | 35 A * | 35 A | 32 A | 35 A * |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate | Front | | | ATDA4EP1 | | |
| | Back | | | ATDA4EP2 | | |
| MOUNTING | | | | | | |
| Mounting Rail | | | | ATBDR3251 | | |
| | (std. rail is 1.0 meters pre-slotted) | | | ATBDR3551 | | |
| | | | | ATBDR351551 | | |
| End Stop | | | | ATB2EC1 | | |
| INTERCONNECTION | | | | | | |
| Pre Assembled Shorting Links | 2 pole | | | ATDA4SL12 | | |
| | 3 pole | | | ATDA4SL13 | | |
| | 10 pole | | | ATDA4SL110 | | |
| Insulated Pre Assembled Shorting Links | 2 pole | | | ATDA4SL22 | | |
| | 3 pole | | | ATDA4SL23 | | |
| | 10 pole | | | ATDA4SL210 | | |
| Insulated Comb Type Shorting Link | 2 pole | | | ATDA4CL12 | | |
| | 3 pole | | | ATDA4CL13 | | |
| | 10 pole | | | ATDA4CL110 | | |
| Test Socket | | | | ATDA4TS | | |
| Marking | | | | | | |
| Marking Tags | K Type | | | ATDA4MT1 | | |

* Limited VA rating of 5A maximum at 600 V for General Industrial use.

TRIPLE LEVEL TERMINAL BLOCKS

Triple level blocks provide both ultra-high density inter-connect capability and housing for sensor and actuator applications.

The ATTL2 and ATTA2 versions (page 109) provide LED switching indication. Please contact Amphenol Pcd to review additional electronic component packaging options with these blocks.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. Tapped holes in the current bar facilitate bus bar or test socket connections.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

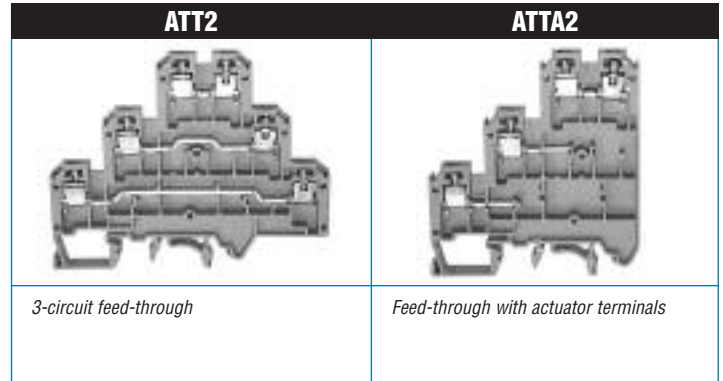
Insulation Material:
Polyamide














Accessory and Marking Details: Pages 132-135

Standard Color: Gray

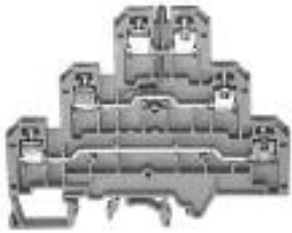







Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |



| Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Pitch | 6 mm | | 6 mm | | | |
| Height x Width | 67 x 84 mm | | 67 x 61 mm | | | |
| Wire Range UL | 24-12 AWG | | 24-12 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| |  |  |  |  |  |  |
| Rated Cross Section | 22-12 AWG | 0.5-2.5 sq.mm | 24-12 AWG | 22-12 AWG | 0.5-2.5 sq.mm | 24-12 AWG |
| Voltage Rating | 300 V | 400 V | 300 V | 300 V | 400 V | 300 V |
| Current Rating | 25 A | 24 A | 25 A | 25 A | 24 A | 25 A |
| Torque | 4.5 lb-in | 0.4 Nm | 4.5 lb-in | 4.5 lb-in | 0.4 Nm | 4.5 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate |  | ATT2EP | ATTA2EP | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | ATBDR3251 ATBDR3551 ATBDR351551 | | | | |
| End Stop |  | ATB2EC1 | | | | |
| INTERCONNECTION | | | | | | |
| Pre Assembled Shorting Links | 2 pole 3 pole 10 pole |  | ATT2SL12 ATT2SL13 ATT2SL110 | | | |
| Insulated Comb Type Shorting Link | 2 pole 3 pole 10 pole |  | ATT2CL12 ATT2CL13 ATT2CL110 | | | |
| Test Socket |  | ATT2TS | | | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ATT2MT1 | | | |

Triple Level Terminal Blocks

| ATTL2 | | | ATTAL2 | | |
|---|---|---|---|---|---|
|  | | |  | | |
| Accommodates 12 V D.C. LED for switching indication | | | Accommodates 12 V D.C. LED for switching indication | | |
| 6 mm | | | 6 mm | | |
| 67 x 84 mm | | | 67 x 61 mm | | |
| 24-12 AWG | | | 24-12 AWG | | |
| 9 mm | | | 9 mm | | |
|  |  |  |  |  |  |
| 24-12 AWG | 0.5-2.5 sq.mm | 24-12 AWG | 24-12 AWG | 0.5-2.5 sq.mm | 24-12 AWG |
| 300 V | 400 V | 300 V | 300 V | 400 V | 300 V |
| 25 A | 24 A | 25 A | 25 A | 24 A | 25 A |
| 4.5 lb-in | 0.4 Nm | 4.5 lb-in | 4.5 lb-in | 0.4 Nm | 4.5 lb-in |
| ATT2EP | | | ATTA2EP | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | |
| ATB2EC1 | | | | | |
| ATT2SL12 ATT2SL13 ATT2SL110 | | | | | |
| ATT2CL12 ATT2CL13 ATT2CL110 | | | | | |
| ATT2TS | | | | | |
| ATT2MT1 | | | | | |

SINGLE LEVEL FUSED SWITCHING BLOCKS

Fused feed-through terminal blocks incorporate a hinged carrier which introduces a standard 5x20mm or 5x25mm fuse into the circuit. Circuits can be manually interrupted by opening the fuse carrier arm.

Note: Blocks are supplied with a 6.3A fast blow fuse. Please contact Amphenol Pcd to review other options.

ATFL4 Series blocks provide LED indication in case of fuse failure, and are available for 110V and 220V circuits.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.



Insulation Material:
Polyamide












Accessory and Marking Details: Pages 132-135

Standard Color: Gray



Alternate colors available as indicated below:

| COLOR | SUFFIX | ATFL4220 SUFFIX |
|--------|--------|-----------------|
| Blue | BU | BU220 |
| Black | BK | BK220 |
| Red | R | R220 |
| Yellow | Y | Y220 |

| ATF4 | ATFL4 |
|--|---|
|  |  |
| | 110 V AC/DC: ATFL4 220 V AC/DC: ATFL4220 |

| Specifications | | | | | | | |
|---|---|---|---|---|---|---------------------------------------|---------|
| Pitch | 8 mm | | 8 mm | | | | |
| Height x Width | 43 x 58 mm | | 43 x 58 mm | | | | |
| Wire Range UL | 22-10 AWG | | 22-10 AWG | | | | |
| Strip Length | 9.5 mm | | 9.5 mm | | | | |
| Ratings | | | | | | | |
| |  | |  |  |  | | |
| Rated Cross Section | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | |
| Voltage Rating | 600 V | 500 V | 600 V | 600 V | 500 V | 600 V | |
| Current Rating | 6.3 A | 6.3 A | 6.3 A | 6.3 A | 6.3 A | 6.3 A | |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in | |
| Accessories | | | | | | | |
| INSULATION | | | | | | | |
| End Plate |  | | | | | ATF4EP | |
| Partition Plate |  | | | | | ATF4PP | |
| MOUNTING | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | | | ATBDR3251 ATBDR3551 ATBDR351551 | |
| End Stop |  | | | | | ATB2EC1 | |
| INTERCONNECTION | | | | | | | |
| Insulated Comb Type Shorting Link | 2 pole | | | | | ATF4CL12 | |
| | 3 pole |  | | | | ATF4CL13 | |
| | 10 pole | | | | | ATF4CL110 | |
| Marking | | | | | | | |
| Marking Tag | Block |  | | | | | ATF4MT1 |
| Marking Tag | Carrier Arm |  | | | | | ATF6MT1 |

Single Level Fused Switching Blocks

| ATF6 | | |
|---|-------------|----------|
|  | | |
| 8 mm | | |
| 60 x 43 mm | | |
| 22-8 AWG | | |
| 9.5 mm | | |
|  | | |
| 22-8 AWG | 1.5-6 sq.mm | 22-8 AWG |
| 300 V | 500 V | 300 V |
| 10 A | 6.3 A | 10 A |
| 14 lb-in | 0.8 Nm | 14 lb-in |
| ATF6EP | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | |
| ATB2EC1 | | |
| ATF6CL12 ATF6CL13 ATF6CL110 | | |
| ATF4MT1 | | |

DOUBLE LEVEL FUSED SWITCHING BLOCKS

Double level fused feed-through terminal blocks incorporate a hinged carrier which introduces a standard 5x20mm or 5x25mm fuse into the circuit on the top level, and a separate feed through terminal connection at the lower level. Upper circuits can be manually interrupted by opening the fuse carrier arm.

ATD1F4 and ATD1FL4 versions are internally bussed, providing two equipotential terminations on each side of the block. (The two sides are interconnected through the upper circuit when the fuse carrier arm is closed.)

ATDFL4 and ATD1FL4 versions provide LED indication of fuse failure. See table for listings of part numbers for various circuit voltage options. Please contact Amphenol Pcd to review other options.

Note: Blocks are supplied with a 6.3A fast blow fuse. Please contact Amphenol Pcd to review other options.

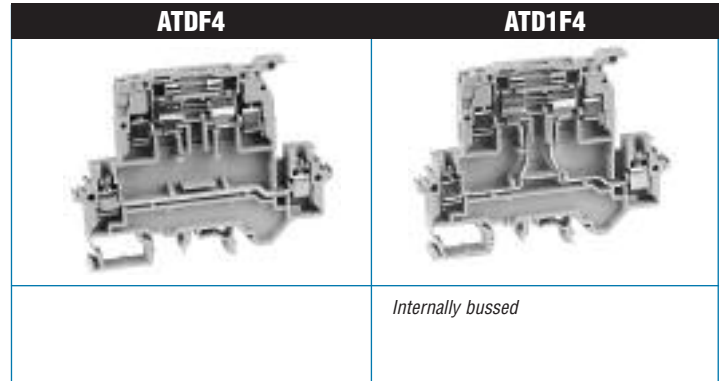
Insulation Material:
Polyamide

Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:





| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |
| Green | G |







| Specifications | | | | | | |
|---|-----------------------------|---------------------------------------|--------------------------------------|---|----------------|-----------|
| Pitch | 8 mm | | 8 mm | | | |
| Height x Width | 66 x 88 mm | | 66 x 88 mm | | | |
| Wire Range UL | 22-10 AWG | | 22-10 AWG | | | |
| Strip Length | 9.5 mm | | 9.5 mm | | | |
| Ratings | | | | | | |
| | | | | | | |
| Rated Cross Section | 22-12 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG |
| Voltage Rating | 600 V | 500 V | 600 V | 600 V | 500 V | 600 V |
| Current Rating | Top Level Bottom Level | 6.3 A 25 A | 6.3 A 32 A | 6.3 A 35 A | 6.3 A 6.3 A | 6.3 A |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate | | ATDF4EP | | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) | | ATBDR3251 ATBDR3551 ATBDR351551 | | | | |
| End Stop | | ATB2EC1 | | | | |
| INTERCONNECTION | | | | | | |
| Pre Assembled Shorting Links | 2 pole 3 pole 10 pole | | ATDF4SL12 ATDF4SL13 ATDF4SL110 | ATD1F4SL12 ATD1F4SL13 ATD1F4SL110 | | |
| Insulated Pre Assembled Shorting Links | 2 pole 3 pole 10 pole | | ATDF4SL22 ATDF4SL23 ATDF4SL210 | ATD1F4SL22 ATD1F4SL23 ATD1F4SL210 | | |
| Insulated Comb Type Shorting Link | 2 pole 3 pole 10 pole | | ATDF4CL12 ATDF4CL13 ATDF4CL110 | ATD1F4CL12 ATD1F4CL13 ATD1F4CL110 | | |
| Marking | | | | | | |
| Marking Tags | K Type | | ATDF4MT1 | | | |

Double Level Fused Blocks With Indicator Light

DIN-Rail Blocks

| ATDFL4 | | | | | | | | | | | |
|--|---|---|------------|--------|--|-------------|-----------|--|-------------|-----------|--|
|  | | | | | | | | | | | |
| LED indicator | | | | | | | | | | | |
| | | | | | | | | | | | |
| 8 mm | | | | | | | | | | | |
| 66 x 88 mm | | | | | | | | | | | |
| 22-10 AWG | | | | | | | | | | | |
| 9.5 mm | | | | | | | | | | | |
| | | | | | | | | | | | |
| ATDFL4 Circuit Voltage | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">24 V AC/DC</td> <td style="width: 33%;">ATDFL4</td> <td style="width: 33%;"></td> </tr> <tr> <td>110 V AC/DC</td> <td>ATDFL4110</td> <td></td> </tr> <tr> <td>220 V AC/DC</td> <td>ATDFL4220</td> <td></td> </tr> </table> | | | 24 V AC/DC | ATDFL4 | | 110 V AC/DC | ATDFL4110 | | 220 V AC/DC | ATDFL4220 | |
| 24 V AC/DC | ATDFL4 | | | | | | | | | | |
| 110 V AC/DC | ATDFL4110 | | | | | | | | | | |
| 220 V AC/DC | ATDFL4220 | | | | | | | | | | |
|  |  |  | | | | | | | | | |
| 22-12 AWG | 0.5-4 sq.mm | 22-10 AWG | | | | | | | | | |
| 600 V | 500 V | 600 | | | | | | | | | |
| 6.3 A | 6.3 A | 6.3 A | | | | | | | | | |
| 25 A | 32 A | 35 A | | | | | | | | | |
| 7 lb-in | 0.5 Nm | 7 lb-in | | | | | | | | | |
| | | | | | | | | | | | |
| ATDF4EP | | | | | | | | | | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | | | | | | | |
| ATB2EC1 | | | | | | | | | | | |
| ATDF4SL12 ATDF4SL13 ATDF4SL110 | | | | | | | | | | | |
| ATDF4SL22 ATDF4SL23 ATDF4SL210 | | | | | | | | | | | |
| ATDF4CL12 ATDF4CL13 ATDF4CL110 | | | | | | | | | | | |
| | | | | | | | | | | | |
| ATDF4MT1 | | | | | | | | | | | |

| ATD1FL4 | | | | | |
|---|---|---|------------|---------|--|
|  | | | | | |
| LED indicator Internally bussed | | | | | |
| | | | | | |
| 8 mm | | | | | |
| 66 x 88 mm | | | | | |
| 20-10 AWG | | | | | |
| 9.5 mm | | | | | |
| | | | | | |
| ATD1FL4 Circuit Voltage | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">24 V AC/DC</td> <td style="width: 33%;">ATD1FL4</td> <td style="width: 33%;"></td> </tr> </table> | | | 24 V AC/DC | ATD1FL4 | |
| 24 V AC/DC | ATD1FL4 | | | | |
|  |  |  | | | |
| 22-12 AWG | 0.5-4 sq.mm | 22-10 AWG | | | |
| 600 V | 500 V | 600 V | | | |
| 6.3 A | 6.3 A | 6.3 A | | | |
| 7 lb-in | 0.5 Nm | 7 lb-in | | | |
| | | | | | |
| ATDF4EP | | | | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | |
| ATB2EC1 | | | | | |
| ATD1F4SL12 ATD1F4SL13 ATD1F4SL110 | | | | | |
| ATD1F4SL22 ATD1F4SL23 ATD1F4SL210 | | | | | |
| ATD1F4CL12 ATD1F4CL13 ATD1F4CL110 | | | | | |
| | | | | | |
| ATDF4MT1 | | | | | |

| ATD1FL4 Circuit Voltage | |
|-------------------------|---------|
| 24 V AC/DC | ATD1FL4 |

22-12 AWG

600 V

6.3 A

7 lb-in

0.5 Nm

ATDF4EP

ATBDR3251
ATBDR3551
ATBDR351551

ATB2EC1

ATD1F4SL12
ATD1F4SL13
ATD1F4SL110

ATD1F4SL22
ATD1F4SL23
ATD1F4SL210

ATD1F4CL12
ATD1F4CL13
ATD1F4CL110

ATDF4MT1

DISCONNECT AND TEST TERMINAL BLOCKS

Disconnect and test terminal blocks are specifically designed for use with measuring, control and regulatory circuits, and feature socket-headed screws that have been precision-designed to act as test monitoring points. Circuits can be isolated for testing and repair without disconnecting wires.

The ATSA6 and ATSB6 Series utilize a screwdriver-actuated slide link to make and break connections.

The ATSC4 features a lever-operated knife contact.

The ATSD6 incorporates a hinged connecting link.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

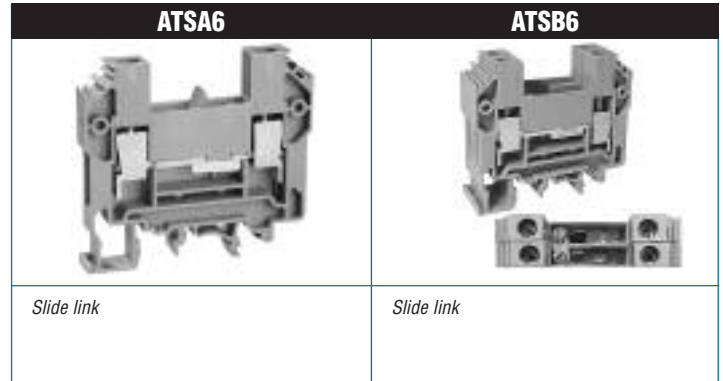
Insulation Material:
Polyamide










Accessory and Marking Details: Pages 132-135

Standard Color: Gray







Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |



| Specifications | | | | | | |
|---|---|---|---|---|-------------|----------|
| Pitch | 8 mm | | 16 mm | | | |
| Height x Width | 57 x 63 mm | | 57 x 63 mm | | | |
| Wire Range UL | 16-8 AWG | | 16-8 AWG | | | |
| Strip Length | 12 mm | | 12 mm | | | |
| Ratings | | | | | | |
| |  |  |  |  | | |
| Rated Cross Section | 16-8 AWG | 1.5-6 sq.mm | 16-8 AWG | 16-8 AWG | 1.5-6 sq.mm | 16-8 AWG |
| Voltage Rating | 600 V | 750 V | 600 V | 300 V | 300 V | 300 V |
| Current Rating | 41 A | 41 A | 41 A | 10 A | 10 A | 10 A |
| Torque | 14 lb-in | 1.2 Nm | 14 lb-in | 14 lb-in | 1.2 Nm | 14 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate |  | ATSE6EP | | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | ATBDR3251 ATBDR3551 ATBDR351551 | | | | |
| End Stop |  | ATB2EC1 | | | | |
| INTERCONNECTION | | | | | | |
| Insulated Comb Type Shorting Link | 2 pole | ATSA6CL12 | | | | |
| | 3 pole | ATSA6CL13 | | | | |
| | 10 pole | ATSA6CL110 | | | | |
|  | | | | | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ATSA6MT1 | | | |

Disconnect and Test Terminal Blocks

| ATSC4 | | | ATSD6 | | |
|---|---|---|---|-------------|----------|
|  | | |  | | |
| <i>Knife contact</i> | | | <i>Hinged link</i> | | |
| 6 mm | | | 8 mm | | |
| 46 x 46.3 mm | | | 60 x 43 mm | | |
| 22-12 AWG | | | 22-8 AWG | | |
| 9 mm | | | 9.5 mm | | |
|  |  |  |  | | |
| 22-10 AWG | 0.5-1.5 sq.mm | 22-12 AWG | 22-8 AWG | 1.5-6 sq.mm | 22-8 AWG |
| 600 V | 800 V | 600 V | 300 V | 500 V | 300 V |
| 16 A | 16 A | 16 A | 10 A | 6.3 A | 10 A |
| 7 lb-in | 0.5 Nm | 7 lb-in | 14 lb-in | 0.8 Nm | 14 lb-in |
| ATSC4EP | | | ATF6EP | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | |
| ATB2EC1 | | | | | |
| ATSA6CL12 ATSA6CL13 ATSA6CL110 | | | | | |
| ATSC4MT1 | | | ATSA6MT1 | | |

GROUND BLOCKS

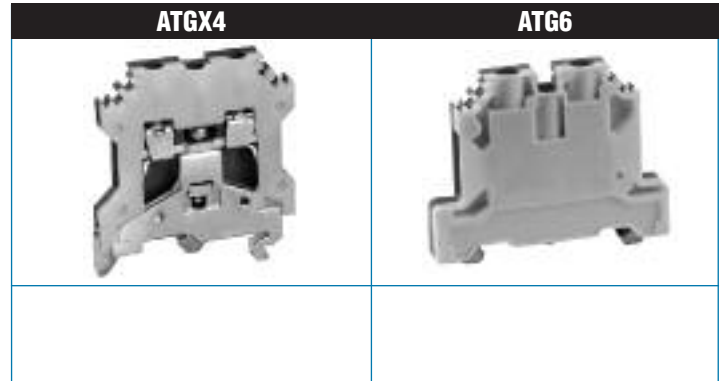
The distinctively colored green and yellow (in accordance with international standards) ground terminal blocks are installed by a center locking screw mechanism, and provide a secure metal-to-metal connection to the mounting rail and panel, with the rail functioning as a ground potential bus bar. Designs feature high-torque clamping yokes and vibration-proof screw-actuated grounding.









Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables. Because of the secure electrical and mechanical screw connection to the rail, ground clamps also act as end stops.

Insulation Material:
Polyamide











**Accessory and Marking
Details:** Pages 132-135

Standard Color:
Green/Yellow



| Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Pitch | 6 mm | | 6 mm | | | |
| Height x Width | 48 x 43 mm | | 47 x 54.5 mm | | | |
| Wire Range UL | 22-10 AWG | | 22-8 AWG | | | |
| Strip Length | 9 mm | | 12 mm | | | |
| Ratings | | | | | | |
| |  |  |  |  |  |  |
| Rated Cross Section | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG | 22-8 AWG | 0.5-6 sq.mm | 22-8 AWG |
| Voltage Rating | 800 V | | 800 V | | | |
| Current Rating | 32 A | | 41 A | | | |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in | 14 lb-in | 0.8 Nm | 14 lb-in |
| Accessories | | | | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | ATBDR3251 ATBDR3551 ATBDR351551 | | ATBDR3551 ATBDR351551 | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ATG4MT1 | | ATG6MT1 | |

Ground Blocks/Thermocouple Blocks

| ATGX10 | | | ATGX35 | | |
|---|--------------|----------|---|-------------|----------|
|  | | |  | | |
|  | | |  | | |
| 10 mm | | | 16 mm | | |
| 50 x 45 mm | | | 61.5 x 58 mm | | |
| 16-8 AWG | | | 8-2 AWG | | |
| 12 mm | | | 18 mm | | |
|    | | |    | | |
| 22-6 AWG | 1.5-10 sq.mm | 16-8 AWG | 8-2 AWG | 10-35 sq.mm | 8-2 AWG |
| 800 V | | | 800 V | | |
| 57 A | | | 125 A | | |
| 14 lb-in | 1.2 Nm | 14 lb-in | 25 lb-in | 2.5 Nm | 25 lb-in |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | ATBDR3251 ATBDR351551 | | |
| ATGX10MT1 | | | ATGX35MT1 | | |

THERMOCOUPLE TERMINAL BLOCKS

Thermocouple terminal blocks are recommended to assure accurate temperature measurement on thermocouple circuits. The ATC2-Series blocks feature bus bars fabricated of the same material as the thermocouple wires. Specific catalog numbers for each thermocouple type are indicated below:

recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

Insulation Material:
Polyamide


Accessory and Marking Details: Pages 132-135







Standard Color: Gray

| TYPE | MATERIALS |
|-------|-------------------|
| ATC2K | Chromel/Alumel |
| ATC2J | Iron/Constantan |
| ATC2T | Copper/Constantan |

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails.

Electrical characteristics and ratings, as well as

| ATC2 |
|---|
|  |

| Specifications | | | |
|--|--|---------------------------------------|-----------|
| Pitch | 10 mm | | |
| Height x Width | 45 x 43 mm | | |
| Wire Range UL | 24-14 AWG | | |
| Strip Length | 9 mm | | |
| Ratings | | | |
| Rated Cross Section | 24-14 AWG | 0.5-2.5 sq.mm | 24-14 AWG |
| Voltage Rating | 300 V | 400 V | 300 V |
| Current Rating | 10 A | 10 A | 10 A |
| Torque | 7 lb-in | 0.5 Nm | 7 lb-in |
| Accessories | | | |
| INSULATION | | | |
| End Plate |  | ATB2EP | |
| Partition Plate |  | ATB2PP | |
| Separator Plate |  | ATB2SP | |
| MOUNTING | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | ATBDR3251 ATBDR3551 ATBDR351551 | |
| End Stop |  | ATB2EC1 | |
| Marking | | | |
| Marking Tags | K Type  | ATB2MT1 | |

EXPLOSION PROOF/HARSH ENVIRONMENT BLOCKS

Designed and developed specifically for critical and harsh environment applications, these blocks are available in seven sizes covering the wire range AWG24 - AWG2.

Explosion proof blocks are particularly recommended for chemical and petrochemical industry applications. The blocks in this Series are designated for AEx ell and Ex ell applications; Class I, Zone I hazardous locations. All blocks comply to EN50019, including 100% testing at 120% of test voltage.

Note: for Zone I applications, blocks should be installed in a terminal box or system with EEx e designation and a minimum of IP54 protection.

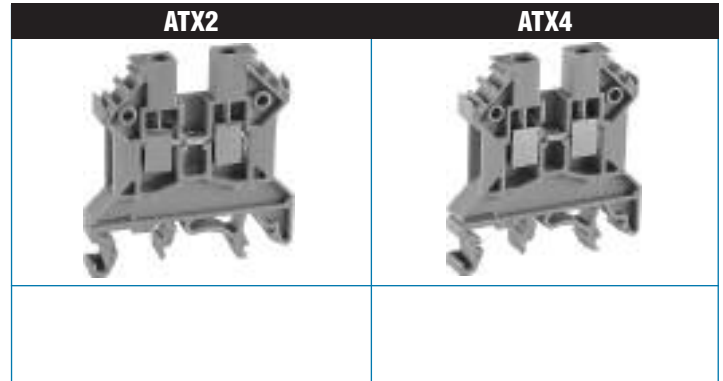
Insulation Material:
Polyamide

**Accessory and Marking
Details:** Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:









| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |



| Specifications | | | | | | |
|---|------------|---------------|------------|-----------|-------------|---------------------------------------|
| Pitch | 5 mm | | 6 mm | | | |
| Height x Width | 45 x 43 mm | | 45 x 43 mm | | | |
| Wire Range UL | 24-14 AWG | | 22-10 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| | | | | | | |
| Rated Cross Section | 22-12 AWG | 0.5-2.5 sq.mm | 24-14 AWG | 22-10 AWG | 0.5-4 sq.mm | 22-10 AWG |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| Current Rating | 25 A | 24 A | 20 A | 35 A | 32 A | 35 A |
| Torque | 7 lb-in | 0.4 Nm | 7 lb-in | 7 lb-in | 0.5 Nm | 7 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate | | | | | | ATX2EP |
| Partition Plate | | | | | | ATX2PP |
| Separator Plate | | | | | | ATX2SP |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) | | | | | | ATBDR3251 ATBDR3551 ATBDR351551 |
| End Stop | | | | | | ATB2EC1 |
| INTERCONNECTION | | | | | | |
| Pre Assembled Shorting Links | 2 pole | | | ATX2SL12 | | ATX4SL12 |
| | 3 pole | | | ATX2SL13 | | ATX4SL13 |
| | 10 pole | | | ATX2SL110 | | ATX4SL110 |
| Insulated Pre Assembled Shorting Links | 2 pole | | | ATX2SL22 | | ATX4SL22 |
| | 3 pole | | | ATX2SL23 | | ATX4SL23 |
| | 10 pole | | | ATX2SL210 | | ATX4SL210 |
| Insulated Comb Type Shorting Link | 2 pole | | | ATX2CL12 | | ATX4CL12 |
| | 3 pole | | | ATX2CL13 | | ATX4CL13 |
| | 10 pole | | | ATX2CL110 | | ATX4CL110 |
| Test Socket | | | | | | ATX2TS |
| Marking | | | | | | |
| Marking Tags | K Type | | | ATX2MT1 | | ATX4MT1 |

Explosion Proof/ Harsh Environment Blocks

DIN-Rail Blocks

| ATX6 | | | ATX10 | | | ATX16 | | | ATX25 | | |
|---|-------------|----------|---|--------------|----------|--|--------------|----------|---|------------|----------|
|  | | |  | | |  | | |  | | |
| 8 mm | | | 10 mm | | | 12 mm | | | 12 mm | | |
| 47 x 43 mm | | | 47 x 43 mm | | | 47 x 43 mm | | | 56 x 49 mm | | |
| 22-8 AWG | | | 20-6 AWG | | | 20-4 AWG | | | 14-2 AWG | | |
| 12 mm | | | 12 mm | | | 16 mm | | | 18 mm | | |
|  | | |  | | |  | | |  | | |
| 22-8 AWG | 1.5-6 sq.mm | 22-8 AWG | 22-6 AWG | 1.5-10 sq.mm | 20-7 AWG | 22-4 AWG | 2.5-16 sq.mm | 14-4 AWG | 12-2 AWG | 6-25 sq.mm | 14-2 AWG |
| 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| 50 A | 41 A | 50 A | 65 A | 57 A | 65 A | 85 A | 76 A | 85 A | 115 A | 101 A | 115 A |
| 9 lb-in | 0.8 Nm | 14 lb-in | 14 lb-in | 1.2 Nm | 14 lb-in | 14 lb-in | 2.0 Nm | 14 lb-in | 14 lb-in | 2.0 Nm | 14 lb-in |
| ATX6EP | | | | | | | | | ATX25EP | | |
| ATX6PP | | | | | | | | | ATX25PP | | |
| ATX6SP | | | | | | ATX16SP | | | | | |
| ATBDR3251 ATBDR3551 ATBDR351551 | | | | | | | | | | | |
| ATB2EC1 | | | | | | | | | | | |
| ATX6SL12 | | | ATX10SL12 | | | ATX16SL12 | | | ATX25SL12 | | |
| ATX6SL13 | | | ATX10SL13 | | | ATX16SL13 | | | ATX25SL13 | | |
| ATX6SL110 | | | ATX10SL110 | | | ATX16SL110 | | | ATX25SL110 | | |
| ATX6SL22 | | | ATX10SL22 | | | ATX16SL22 | | | ATX25SL22 | | |
| ATX6SL23 | | | ATX10SL23 | | | ATX16SL23 | | | ATX25SL23 | | |
| ATX6SL210 | | | ATX10SL210 | | | ATX16SL210 | | | ATX25SL210 | | |
| ATX6CL12 | | | ATX10CL12 | | | | | | | | |
| ATX6CL13 | | | ATX10CL13 | | | | | | | | |
| ATX6CL110 | | | ATX10CL110 | | | | | | | | |
| | | | ATX6TS | | | | | | ATX25TS | | |
| ATX6MT1 | | | ATX10MT1 | | | | | | ATX16MT1 | | |


ATX35



Specifications


| | |
|-----------------------|--------------|
| Pitch | 15 mm |
| Height x Width | 58 x 52.5 mm |
| Wire Range UL | 18-2 AWG |
| Strip Length | 18 mm |

Ratings



| | | | |
|----------------------------|---|-------------|----------|
| |  | | |
| Rated Cross Section | 8-2 AWG | 10-35 sq.mm | 18-2 AWG |
| Voltage Rating | 600 V | 800 V | 600 V |
| Current Rating | 145 A | 125 A | 145 A |
| Torque | 25 lb-in | 2.5 Nm | 25 lb-in |

Accessories





INSULATION

| | | |
|------------------------|---|--------|
| End Plate |  | ATX2EP |
| Partition Plate |  | ATX2PP |
| Separator Plate |  | ATX2SP |

MOUNTING

| | | |
|---|---|---------------------------------------|
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | ATBDR3251 ATBDR3551 ATBDR351551 |
| End Stop |  | ATB2EC1 |

INTERCONNECTION

| | | | |
|---|---|---|------------|
| Pre Assembled Shorting Links | 2 pole |  | ATX35SL12 |
| | 3 pole | | ATX35SL13 |
| | 10 pole | | ATX35SL110 |
| Insulated Pre Assembled Shorting Links | 2 pole |  | ATX35SL22 |
| | 3 pole | | ATX35SL23 |
| | 10 pole | | ATX35SL210 |
| Insulated Comb Type Shorting Link | 2 pole |  | ATX35CL12 |
| | 3 pole | | ATX35CL13 |
| | 10 pole | | ATX35CL110 |
| Test Socket |  | ATX25TS | |

Marking

| | | | |
|---------------------|--------|---|----------|
| Marking Tags | K Type |  | ATX25MT1 |
|---------------------|--------|---|----------|

Stud Mount Terminal Blocks

STUD MOUNT TERMINAL BLOCKS

Stud mount blocks are recommended for applications where a crimp wire termination is desired. Wires are installed in a ring or fork tongue compression terminal, which is then screwed down against the flat terminal block surface. Insulated and uninsulated shorting links and protective insulating covers facilitate protection and interconnection.

Universal mounting provisions allow the blocks to be utilized with all three standard mounting rails indicated in the accompanying table. A protective well in the center of the block provides access to a tapped hole in the current bar, facilitating bus bar or test socket connections.

Electrical characteristics and ratings, as well as recommendations covering the broad range of accessories utilized with these blocks, are also indicated in the accompanying tables.

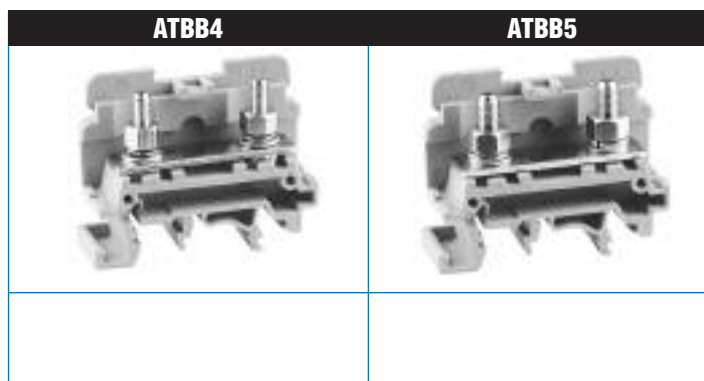
Insulation Material:
Polyamide









Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |



| Specifications | | ATBB4 | ATBB5 |
|---|--|-----------------------|--|
| Pitch | | 17 mm | 17 mm |
| Height x Width | | 44.5 x 50 mm | 44.5 x 50 mm |
| Wire Range UL | | 22-6 AWG | 22-4 AWG |
| Strip Length | | 12 mm | 12 mm |
| Ratings | | | |
| Rated Cross Section | | 22-6 AWG 1.5-10 sq.mm | 22-6 AWG 22-4 AWG 0.5-16 sq.mm |
| Voltage Rating | | 600 V 800 V | 600 V 800 V 600 V |
| Current Rating | | 65 A 57 A | 65 A 80 A 76 A 80 A |
| Torque | | 14 lb-in 1.2 Nm | 14 lb-in 17.5 lb-in 2.0 Nm 17.5 lb-in |
| Accessories | | | |
| INSULATION | | | |
| End Plate |  | | ATBB4EP |
| MOUNTING | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | ATBDR3251 ATBDR3551 ATBDR351551 |
| End Stop |  | | ATB2EC1 |
| INTERCONNECTION | | | |
| Protective Cover for Covering | 2 Terminal  3 Terminal | | ATBB4PC2 ATBB4PC3 |
| Protective Cover in Length | 100 mm  200 mm 300 mm | | ATBB4PC100 ATBB4PC200 ATBB4PC300 |
| Removable Shorting Links | 2 way  3 way 4 way | | ATBB4SL52 ATBB4SL53 ATBB4SL54 |
| Insulated Removable Shorting Links | 2 way  3 way 4 way | | ATBB4SL72 ATBB4SL73 ATBB4SL74 |
| Marking | | | |
| Marking Tags | K Type  | | ATBB4MT1 |

SPRING-CLAMP FEED-THROUGH BLOCKS

Screwless spring-clamp blocks – designed to simplify installation and save time and labor – are available for stranded and solid wires from AWG22 - 8. Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, high pressure contact against the wire.

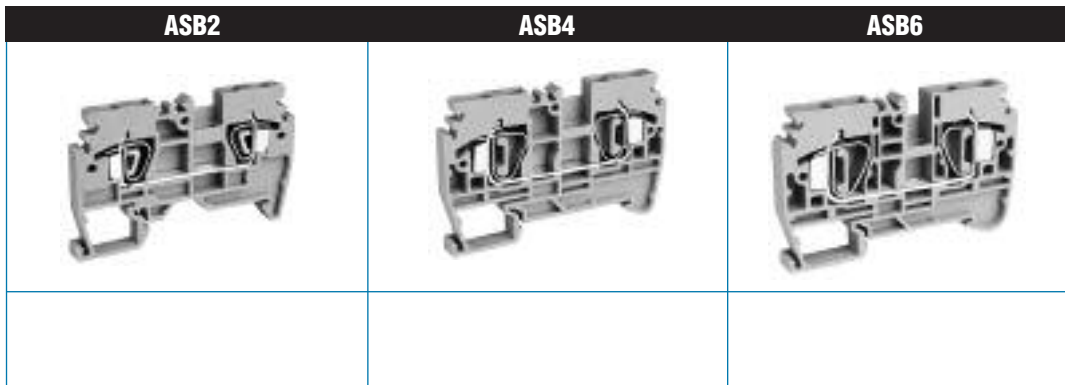
Insulation Material: Polyamide














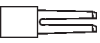



Accessory and Marking Details: Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:

| COLOR | SUFFIX | COLOR | SUFFIX | COLOR | SUFFIX |
|-------|--------|--------|--------|--------|--------|
| Beige | BG | Brown | BR | Blue | BU |
| Black | BK | Orange | F | Green | G |
| Red | R | White | W | Yellow | Y |



| Specifications | | | | | | | | | | |
|---|---|---|---|---|--|---|---|---|---|--|
| Pitch | 5 mm | | | 6mm | | | 8mm | | | |
| Height x Width | 36 x 58 mm | | | 42 x 65 mm | | | 45 x 72 mm | | | |
| Wire Range UL | 22-14 AWG | | | 22-12 AWG | | | 22-8 AWG | | | |
| Strip Length | 9 mm | | | 9 mm | | | 12 mm | | | |
| Ratings | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  | |
| Rated Cross Section | 22-14 AWG # | 0.5-2.5 sq.mm | 22-14 AWG | 22-12 AWG # | 0.5-4 sq.mm | 22-12 AWG | 22-8 AWG # | 0.5-6 sq.mm | 22-8 AWG | |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | |
| Current Rating | 20 A | 24 A | 20 A | 25 A | 32 A | 25 A | 50 A | 41 A | 50 A | |
| Accessories | | | | | | | | | | |
| End Plate |  | ASB2EP | | | ASB4EP | | | ASB6EP | | |
| Partition Plate |  | ASB2PP | | | ASB4PP | | | ASB6PP | | |
| MOUNTING | | | | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | | ATBDR3551 ATBDR351551 | | | | | |
| End Stop |  | | | | ATB2EC1 | | | | | |
| INTERCONNECTION | | | | | | | | | | |
| Insulated Push-In Type* Shorting Link (2 way) |  | ASB2SL2 | | | ASB4SL2 | | | ASB6SL2 | | |
| Insulated Push-In Type (wire) Shorting Link |  | ASB2SL22 | | | ASB4SL22 | | | | | |
| Alternate Link |  | ASB2SL21 | | | ASB4SL21 | | | ASB6SL21 | | |
| Marking | | | | | | | | | | |
| Marking Tags K Type |  | ASB2MT1 | | | ASB4MT1 | | | ASB6MT1 | | |

* Current Rating: 10A, wire length 110 mm # For Stranded conductor only

Spring-Clamp Ground Blocks

SPRING-CLAMP GROUND BLOCKS

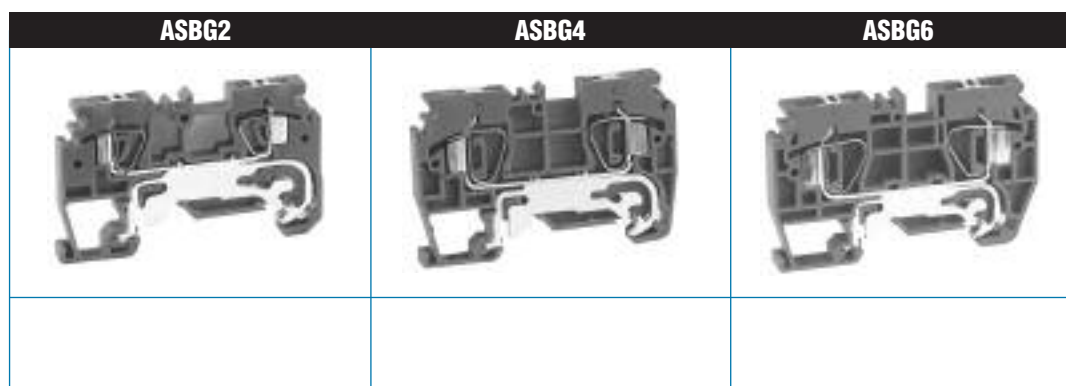
Screwless spring-clamp ground blocks – designed to simplify installation and save time and labor – are available for stranded and solid wires from AWG22 - 8. Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, high pressure contact against the wire. Integral, heavy duty mounting springs firmly lock





the blocks to the mounting track, and provide a vibration-proof grounding connection.

Insulation Material: Polyamide

Accessory and Marking Details: Pages 132-135

Standard Color: Green and Yellow



| Specifications | | | | | | | | | | |
|---|------------|---------------|-----------|---|-------------|-----------|---|-------------|----------|--|
| Pitch | 5 mm | | | 6 mm | | | 8 mm | | | |
| Height x Width | 36 x 58 mm | | | 42 x 65 mm | | | 45 x 72 mm | | | |
| Wire Range UL | 22-14 AWG | | | 22-12 AWG | | | 22-8 AWG | | | |
| Strip Length | 9 mm | | | 9 mm | | | 12 mm | | | |
| Ratings | | | | | | | | | | |
| | | | |  | | |  | | | |
| Rated Cross Section | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-8 AWG | 0.5-6 sq.mm | 22-8 AWG | |
| Voltage Rating | 800 V | | | 800 V | | | 800 V | | | |
| Current Rating | 24 A | | | 32 A | | | 41 A | | | |
| Accessories | | | | | | | | | | |
| MOUNTING | | | | | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted)  | | | | ATBDR3551 ATBDR351551 | | | | | | |
| Marking | | | | | | | | | | |
| Marking Tags  | K Type | ATB2MT1 | | | ATB4MT1 | | | ATB6MT1 | | |

SPRING-CLAMP MULTIPLE CONNECTION FEED- THROUGH BLOCKS

Multiple connection screwless spring-clamp feed-through blocks feature one or two contact points per side for enhanced density and system convenience, and reduce the need for bussing clips. Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, high pressure contact against the wire.



Insulation Material:
Polyamide














**Accessory and Marking
Details:** Pages 132-135

Standard Color: Gray

Alternate colors available
as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |

| ASBM21 | ASBM22 |
|--|---|
|  |  |
| 3 Contact | 4 Contact |

| Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Pitch | 5 mm | | 6 mm | | | |
| Height x Width | 36 x 74 mm | | 36 x 90 mm | | | |
| Wire Range UL | 22-14 AWG | | 22-14 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| |  |  |  |  |  |  |
| Rated Cross Section | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| Current Rating | 20 A | 24 A | 20 A | 20 A | 24 A | 20 A |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate |  | ASBM21EP | ASBM22EP | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | ATBDR3551 ATBDR351551 | | |
| End Stop |  | | | ATB2EC1 | | |
| INTERCONNECTION | | | | | | |
| Insulated Push-In Type* Shorting Link (2 way) |  | | | ASB2SL2 | | |
| Insulated Push-In Type (wire) Shorting Link |  | | | ASB2SL22 | | |
| Alternate Link |  | | | ASB2SL21 | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ATB2MT1 | | | |

* Current Rating 10A, wire length 110mm

Spring-Clamp Multiple Connection Feed-Through Blocks

DIN-Rail Blocks

| ASBM41 | | | ASBM42 | | | ASBM62 | | |
|---|---|---|---|---|---|--|---|----------|
|  | | |  | | |  | | |
| 3 Contact | | | 4 Contact | | | 3 contact | | |
| 6 mm | | | 6 mm | | | 8 mm | | |
| 42 x 85 mm | | | 42 x 105 mm | | | 45 x 94 mm | | |
| 22-12 AWG | | | 22-12 AWG | | | 22-8 AWG | | |
| 9 mm | | | 9 mm | | | 12 mm | | |
|  |  |  |  |  |  |  |  | |
| 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-8 AWG | 0.5-6 sq.mm | 22-8 AWG |
| 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| 25 A | 32 A | 25 A | 25 A | 32 A | 25 A | 50 A | 41 A | 50 A |
| ASBM41EP | | | ASBM42EP | | | ASBM62EP | | |
| ATBDR3551 ATBDR351551 | | | | | | | | |
| ATB2EC1 | | | | | | | | |
| ASB4SL2 | | | | | | ASB6SL2 | | |
| ASB4SL22 | | | | | | | | |
| ASB4SL21 | | | | | | ASB6SL21 | | |
| ATB4MT1 | | | | | | | | |
| ATB4MT1 | | | | | | ATB6MT1 | | |

SPRING-CLAMP ANGLED FEED- THROUGH BLOCKS

Angled screwless spring-clamp feed-through blocks provide a compact interconnect system and convenient circuit identification for space-sensitive junction box applications. Blocks are available in single and multiple termination variations, for wire sizes AWG22 - 12.

Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, high pressure contact against the wire.

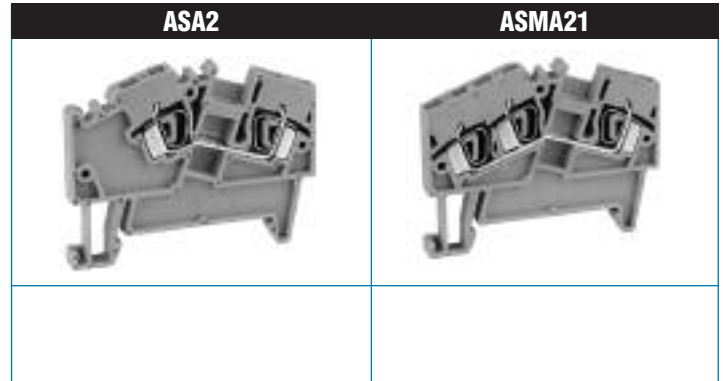
Insulation Material:
Polyamide








**Accessory and Marking
Details:** Pages 132-135

Standard Color: Gray

Alternate colors available as indicated below:


| COLOR | SUFFIX |
|--------|--------|
| Beige | BG |
| Brown | BR |
| Blue | BU |
| Black | BK |
| Orange | F |
| Green | G |
| Red | R |
| White | W |
| Yellow | Y |



| Specifications | | | | | | |
|---|---|---|------------|--------------------------|---------------|-----------|
| Pitch | 5 mm | | 5 mm | | | |
| Height x Width | 42 x 54 mm | | 42 x 54 mm | | | |
| Wire Range UL | 22-14 AWG | | 22-14 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| Rated Cross Section | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG |
| Voltage Rating | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| Current Rating | 20 A | 24 A | 20 A | 20 A | 24 A | 20 A |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End Plate |  | ASA2EP | | ASMA21EP | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | ATBDR3551 ATBDR351551 | | |
| End Stop |  | | | ATB2EC1 | | |
| INTERCONNECTION | | | | | | |
| Insulated Push-In Type* Shorting Link (2 way) |  | | | ASA2SL2 | | |
| Insulated Push-In Type (wire) Shorting Link |  | | | ASB2SL22 | | |
| Alternate Link |  | | | ASA2SL21 | | |
| Marking | | | | | | |
| Marking Tags | K Type |  | ASB2MT1 | | | |

* Current Rating 10A, wire length 110mm

Spring-Clamp Angled Feed-Through Blocks

| ASMA22 | | | ASMA4 | | | ASMA41 | | | ASMA42 | | |
|---|---------------|-----------|---|-------------|-----------|--|-------------|-----------|---|-------------|-----------|
|  | | |  | | |  | | |  | | |
| 6 mm | | | 6 mm | | | 6 mm | | | 6 mm | | |
| 42 x 54 mm | | | 46 x 61.5 mm | | | 46 x 61.5 mm | | | 46 x 61.5 mm | | |
| 22-14 AWG | | | 22-12 AWG | | | 22-12 AWG | | | 22-12 AWG | | |
| 9 mm | | | 9 mm | | | 9 mm | | | 9 mm | | |
| 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG |
| 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V | 600 V | 800 V | 600 V |
| 20 A | 24 A | 20 A | 25 A | 32 A | 25 A | 25 A | 32 A | 25 A | 25 A | 32 A | 25 A |
| ASMA22EP | | | ASMA4EP | | | ASMA41EP | | | ASMA42EP | | |
| ATBDR3551 ATBDR351551 | | | | | | | | | | | |
| ATB2EC1 | | | | | | | | | | | |
| ASMA4SL2 | | | | | | | | | | | |
| ASB4SL22 | | | | | | | | | | | |
| ASMA4SL21 | | | | | | | | | | | |
| ASB2MT1 | | | ASB4MT1 | | | | | | | | |

Angled Spring-Clamp Ground Blocks

ANGLED SPRING-CLAMP GROUND BLOCKS

Angled screwless spring-clamp ground blocks – designed to simplify installation and save time and labor – are available for stranded and solid wires from AWG22 - 8. The angled configuration provides a compact interconnect system and convenient circuit identification for space-sensitive junction box applications. Blocks are available in single and multiple termination variations.

Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, high pressure contact against the wire. Integral, heavy duty mounting springs firmly lock the blocks to the mounting track, and provide a vibration-proof grounding connection.

Insulation Material:

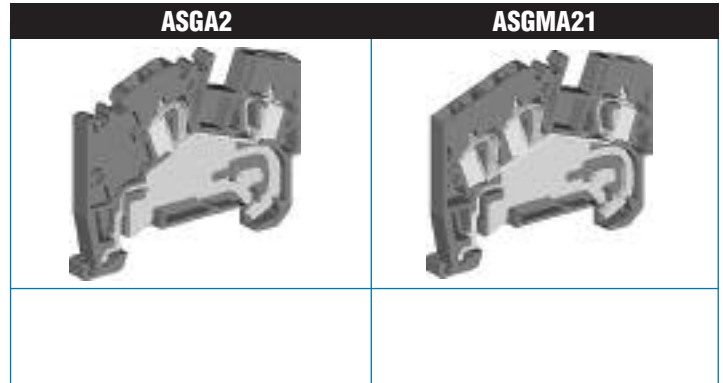
Polyamide

Accessory and Marking

Details: Pages 132-135

Standard Color:

Green/Yellow



| Specifications | | | | | | |
|---|------------|---------------|--------------------------|-----------|---------------|-----------|
| Pitch | 5 mm | | 5 mm | | | |
| Height x Width | 42 x 54 mm | | 42 x 54 mm | | | |
| Wire Range UL | 22-14 AWG | | 22-14 AWG | | | |
| Strip Length | 9 mm | | 9 mm | | | |
| Ratings | | | | | | |
| Rated Cross Section | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG |
| Voltage Rating | 800 V | | 800 V | | | |
| Current Rating | 24 A | | 24 A | | | |
| Accessories | | | | | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) | | | ATBDR3551 ATBDR351551 | | | |
| Marking | | | | | | |
| Marking Tags | | K Type | ATB2MT1 | | | |

Angled Spring-Clamp Ground Blocks

| ASGMA22 | | | ASGA4 | | | ASGMA41 | | | ASGMA42 | | |
|--------------------------|---------------|-----------|--------------|-------------|-----------|--------------|-------------|-----------|--------------|-------------|-----------|
| | | | | | | | | | | | |
| 5 mm | | | 6 mm | | | 6 mm | | | 6 mm | | |
| 42 x 54 mm | | | 46 x 61.5 mm | | | 46 x 61.5 mm | | | 46 x 61.5 mm | | |
| 22-14 AWG | | | 22-12 AWG | | | 22-12 AWG | | | 22-12 AWG | | |
| 9 mm | | | 9 mm | | | 9 mm | | | 9 mm | | |
| 22-14 AWG | 0.5-2.5 sq.mm | 22-14 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG | 22-12 AWG | 0.5-4 sq.mm | 22-12 AWG |
| 800 V | | | 800 V | | | 800 V | | | 800 V | | |
| 24 A | | | 32 A | | | 32 A | | | 32 A | | |
| ATBDR3551 ATBDR351551 | | | | | | | | | | | |
| ASB2MT1 | | | ASB4MT1 | | | | | | | | |

BUS BAR TERMINAL BLOCKS

Bus bar terminal blocks are designed for applications involving high currents and large cable sizes, and are available for the wire range 8AWG to 4/0. Wires are crimped into ring type compression terminals and installed on the current bar of the terminal block.

End or partition insulation plates must be used with each block, and protective covers can be mounted in slots on the end plates.

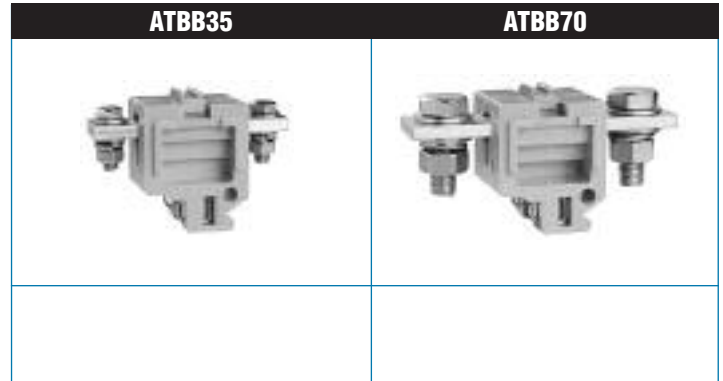
Insulation Material: High Grade Melamine

Accessory and Marking Details: Pages 132-135

Standard Color: Beige

Alternate colors available as indicated below:

| COLOR | SUFFIX |
|--------|--------|
| Blue | BU |
| Black | BK |
| Red | R |
| Yellow | Y |



| Specifications | | | | | | |
|---|---|---|-------------------|---|---|-----------|
| Pitch | 28 mm | | 40 mm | | | |
| Height x Width | 49 x 75 mm | | 49 x 98 mm | | | |
| Wire Range UL | 8-2 AWG | | 8-2/0 AWG | | | |
| Strip Length/Bolt Size | 20 mm/M6 x 20 mm | | 26 mm/M10 x 30 mm | | | |
| Ratings | | | | | | |
| |  |  | |  |  | |
| Rated Cross Section | 8-2 AWG | 16-35 sq.mm | 8-2 AWG | 8-2/0 AWG | 35-70 sq.mm | 8-2/0 AWG |
| Voltage Rating | 600 V | 1000 V | 600 V | 600 V | 1000 V | 600 V |
| Current Rating | 145 A | 125 A | 145 A | 250 A | 192 A | 250 A |
| Torque | 27 lb-in | 3.0 Nm | 27 lb-in | 87 lb-in | 10.0 Nm | 87 lb-in |
| Accessories | | | | | | |
| INSULATION | | | | | | |
| End/Partition Plate |  | | | ATBB35EP | ATBB35EP1 | |
| Partition Plate (Polyamide 66) |  | | | ATBB35PP | | |
| MOUNTING | | | | | | |
| Mounting Rail (std. rail is 1.0 meters pre-slotted) |  | | | ATBDR3251 | | |
| End Stop |  | | | ATB2EC1 | | |
| INTERCONNECTION | | | | | | |
| Protective Cover | 100 mm |  | | ATBB35PC | ATBB35PC1 | |
| | 190 mm | | | | | |
| Marking | | | | | | |
| Marking Tags |  | | | ????? | | |
| Locating Support for ATBB35EP1 |  | | | ATBB35EP2 | | |

Bus Bar Terminal Blocks

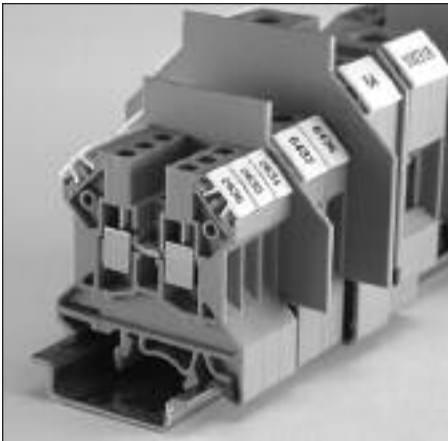
| ATBB95 | | | ATBC35 | | | ATBC70 | | | ATBC95 | | |
|---|-------------|-----------|---|-------------|----------|--|-------------|-----------|---|-------------|-----------|
|  | | |  | | |  | | |  | | |
| 40 mm | | | 28 mm | | | 40 mm | | | 40 mm | | |
| 49 x 130 mm | | | 49 x 75 mm | | | 49 x 98 mm | | | 49 x 130 mm | | |
| 8-4/0 AWG | | | 8-2 AWG | | | 8-2/0 AWG | | | 8-4/0 AWG | | |
| 26 mm/M10 x 30 mm | | | 20 mm/M6x 20 mm | | | 26 mm/M10 x 30 mm | | | 26 mm/M10 x 30 mm | | |
|   | | |   | | |   | | |   | | |
| 8-4/0 AWG | 35-95 sq.mm | 8-4/0 AWG | 8-2 AWG | 16-35 sq.mm | 8-2 AWG | 8-2/0 AWG | 35-70 sq.mm | 8-2/0 AWG | 8-4/0 AWG | 35-95 sq.mm | 8-4/0 AWG |
| 600 V | 1000 V | 600 V | 600 V | 1000 V | 600 V | 600 V | 1000 V | 600 V | 600 V | 1000 V | 600 V |
| 300 A | 232 A | 300 A | 145 A | 125 A | 145 A | 250 A | 192 A | 250 A | 300 A | 232 A | 300 A |
| 87 lb-in | 10.0 Nm | 87 lb-in | 27 lb-in | 3.0 Nm | 27 lb-in | 87 lb-in | 10.0 Nm | 87 lb-in | 87 lb-in | 10.0 Nm | 87 lb-in |
| ATBB35EP1 | | | ATBB35EP ATBB35EP1 | | | | | | ATBB35EP1 | | |
| | | | ATBB35PP | | | | | | | | |
| | | | ATBDR3251 | | | | | | | | |
| | | | ATB2EC1 | | | | | | | | |
| ATBB95PC ATBB95PC1 | | | ATBB35PC ATBB35PC1 | | | | | | ATBB95PC ATBB95PC1 | | |
| | | | ???? | | | | | | | | |
| | | | ATBB35EP2 | | | | | | | | |



INSULATION

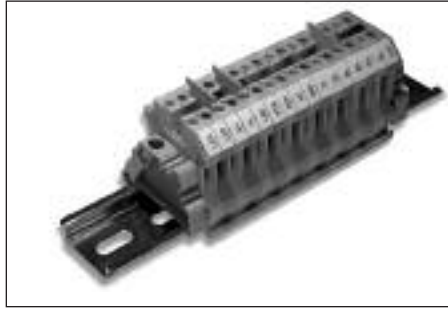
End Plate

End plates must be utilized to cover and electrically insulate the open portion of a terminal block in applications where it is not adjacent to another block. Normally, end plates are used as the final element (with the end stop) in a rail mount assembly; or at any place in the assembly when two blocks of different sizes are adjacent. Plates are provided in a variety of sizes and configurations, tailored to the block to be protected.



Partition Plates

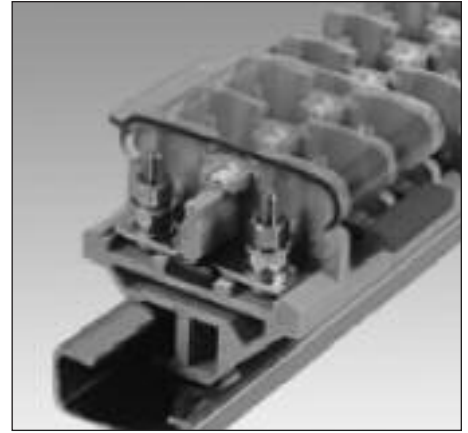
Partition plates provide visual separation between groups of blocks in an assembly, and often function as a guide in identifying block functions and wiring the assembly.



Separator Plates

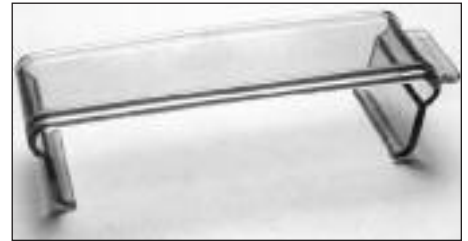
The Separator Plate provides electrical insulation between adjoining bus bars, and is only used in applications where bus bars are installed in adjacent terminal blocks. The plate eliminates the possibility of shorting between bus bars.

See catalog pages 102 - 130 for specific recommendations.



Protective Cover

Transparent safety covers snap over the tops of terminal blocks and provide additional insulation protection. Covers are available for stud mount and bus bar blocks, in two or three-position sizes, or in lengths of 1.0, 2.0 or 3.0 meters, to be cut to size.



DIN TERMINAL BLOCKS Interconnecting/Bussing Accessories



INTERCONNECTION

Adjoining or non-adjoining terminal blocks can be connected together in a variety of ways:

Pre-Assembled Shorting Links

A pre-assembled bus bar which sits in a protective well in the top center of the terminal block, runs the length of the block group to be interconnected, and is electrically and mechanically connected to each block in the group by means of a secure screw connection. The bars are utilized in conjunction with threaded screw and spacer elements which clamp the bus bar directly to the current bar of the terminal block. Terminal blocks are included in the bussed group by utilizing the screw/spacer to connect them to the bus bar. Terminal blocks which are not part of the bussed group are simply not connected to the bus bar. Therefore, it is possible to create a bussed group which "bridges" certain blocks.

Links are available in both insulated and uninsulated designs, are supplied in 2-3-4 and 10 position lengths, and can be readily cut to desired length. See individual product pages for specific recommendations.

Side Jumper

An insulated "comb" side jumper which runs the length of the block group and locks into the wire holes can also be used. These jumpers are



also available in 2-3-4-10 position lengths, and can be readily cut to desired length and inserted into the wire entry hole. If it is desired to skip or "bridge" one or more blocks in a sequence, the appropriate contact elements can be removed. See product pages for specific recommendations.

Permanent Shorting Bars

Tin-plated copper/brass bus links, which rest below the top surface of the terminal blocks are used with sleeves and mounting screws to achieve a permanent cross connection. Bars are available in 2-3-4-10 position lengths, and may be cut to size. For switchable connections, two position removable shorting links are available. Sleeves and screws are ordered separately. Please contact Amphenol Pcd for ordering details.



Test Sockets

Test sockets are used for checking out circuits. The test socket screws into a tapped hole in the terminal block current bar, and accepts a standard test plug. Sockets can be left permanently in place, or only used as required. Contact Amphenol Pcd for specific recommendations.

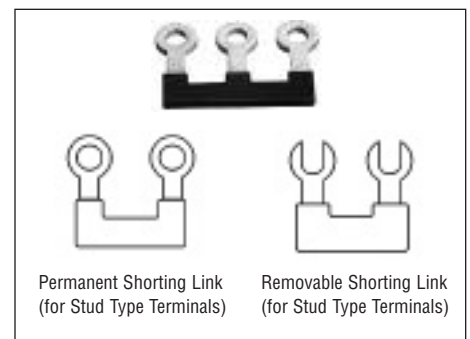
Shorting Links for Spring Clamp Blocks

Insulated, two-position push-in links are utilized to bus adjacent spring clamp blocks on a track assembly. Alternate links perform the same function, but the contact spacing is designed for alternate (non-consecutive) blocks. Wired shorting links will connect any two blocks spaced up to ten positions apart. Recommendations in catalog.



Shorting links for Stud-Mount Blocks

Insulated and uninsulated links, permanent (ring tongue) and removable (fork tongue), available in 2-3-4 positions. Details on Stud-Mount Block product page.





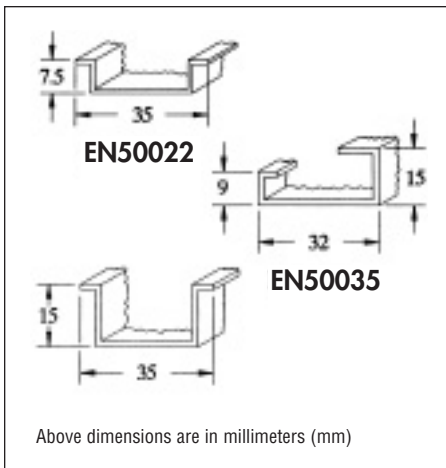
Mounting Rails

Three basic mounting rail variations are available, as depicted above. Rails are steel, zinc chromate plated, and are supplied, pre-slotted, in 1.0 meter lengths. All rails are also available unslotted, and can be readily cut to desired length. Contact Amphenol Pcd for information regarding pre-cut rails.

EN50035 asymmetrical rail provides greater structural strength, and the asymmetrical shape ensures the directional alignment of blocks and eliminates installation errors.

EN500045 35x15 mm symmetrical rail is deep enough to readily accommodate mounting hardware.

EN50022 35x7.5 mm symmetrical rail is lighter in weight and is often spot-welded in place rather than installed with hardware.



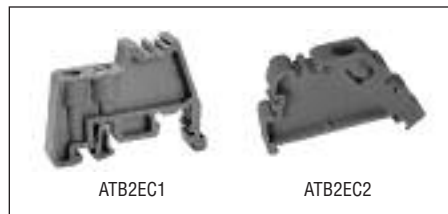
With few exceptions, the terminal block variations depicted in this catalog will readily mount in all three basic track variations. The convenience, operating flexibility and inventory reduction provided by this feature is a key element of the rail mount terminal block system.

End Stops

Screw-actuated end stops clamp firmly to the rail, prevent lateral movement, and hold the terminal block assembly in place. End stops must be used at either end of a rail assembly.

ATB2EC1 stops are actuated vertically, and can be used with all rails.

ATB2EC2 stops feature angled actuation, and are for use with specific blocks mounted on ATDBR351 and ATDBR35151 rails, as indicated in the product pages.



Mounting Brackets

The ATBDRMB1 angled bracket allows rail to be mounted offset from the panel and at 45°. It simplifies access, particularly when the rail is at the bottom of a panel.

The ATBDRMB2/3/4 family of offset brackets provides a choice of panel clearance.

