

# 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

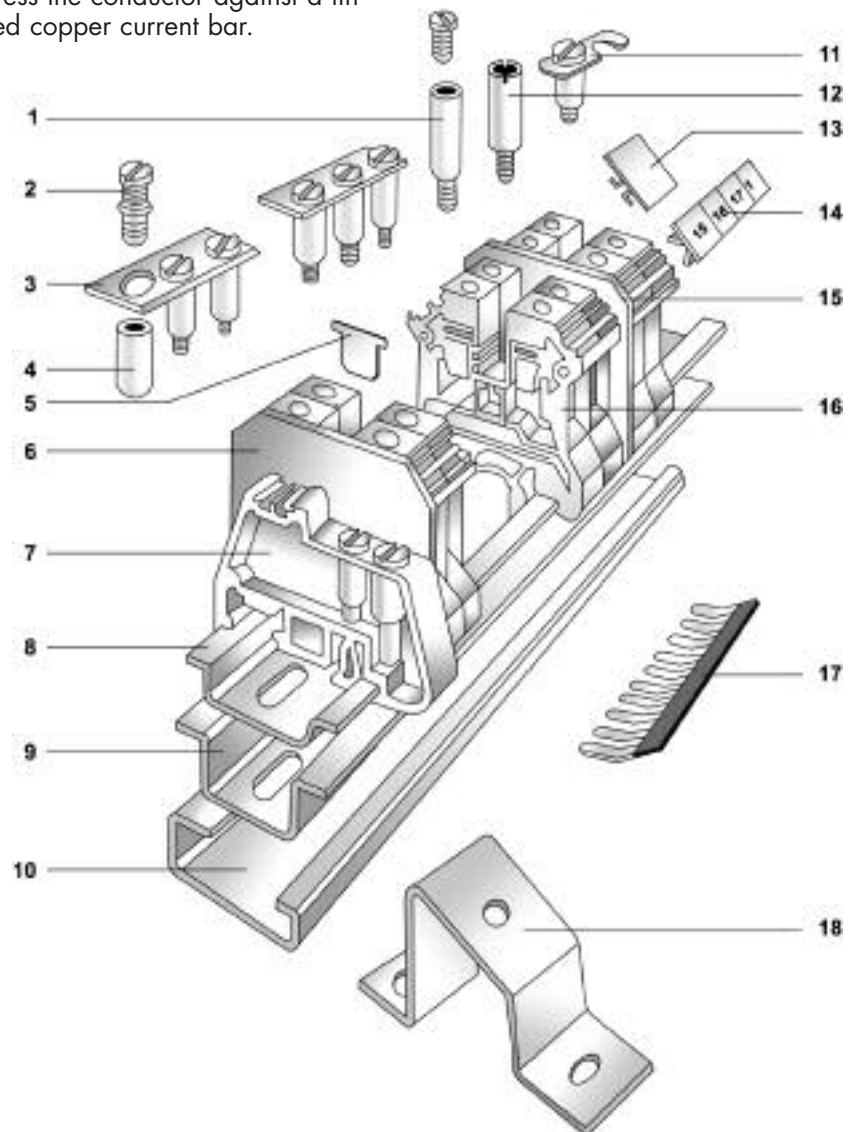
DIN terminal blocks are molded of high strength, flexible Polyamide 6.6 thermoplastic. This material features an operating range of -30° C to 100° C and has a long history of successful field application. High Current bus Bar type blocks (pages 130-131) are molded of high grade Melamine.

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.

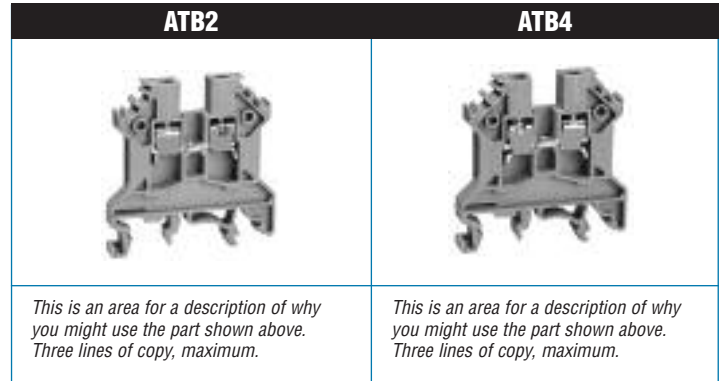
**Insulation Material:**  
Polyamide























**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						
<b>Pitch</b>	5 mm		6 mm			
<b>Height x Width</b>	45 x 43 mm		45 x 43 mm			
<b>Wire Range UL</b>	24-14 AWG		22-10 AWG			
<b>Strip Length</b>	9 mm		9 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-12 AWG	0.5-2.5 sq.mm	24-14 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
<b>Voltage Rating</b>	600 V	800 V	600 V	600 V	800 V	600 V
<b>Current Rating</b>	25 A	24 A	20 A	35 A *	32 A	40 A *
<b>Torque</b>	7 lb-in	0.4 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Accessories						
<b>INSULATION</b>						
<b>End Plate</b>		ATB2EP				
<b>Partition Plate</b>		ATB2PP				
<b>Separator Plate</b>		ATB2SP				
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551				
<b>End Stop</b>		ATB2EC1				
<b>INTERCONNECTION</b>						
<b>Pre Assembled Shorting Links</b>	2 pole		ATB2SL12	ATB4SL12		
	3 pole		ATB2SL13	ATB4SL13		
	10 pole		ATB2SL110	ATB4SL110		
<b>Insulated Pre Assembled Shorting Links</b>	2 pole		ATB2SL22	ATB4SL22		
	3 pole		ATB2SL23	ATB4SL23		
	10 pole		ATB2SL210	ATB4SL210		
<b>Insulated Comb Type Shorting Link</b>	2 pole		ATB2CL12	ATB4CL12		
	3 pole		ATB2CL13	ATB4CL13		
	10 pole		ATB2CL110	ATB4CL110		
<b>Test Socket</b>		ATB2TS				
Marking						
<b>Marking Tags</b>	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									
<b>INSULATION</b>									
End Plate		ATB35EP							
Partition Plate		ATB35PP							
Separator Plate									
<b>MOUNTING</b>									
Mounting Rail (std. rail is 1.0 meters pre-slotted)					ATBDR3251 ATBDR3551 ATBDR351551				
End Stop		ATB2EC1							
<b>INTERCONNECTION</b>									
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.


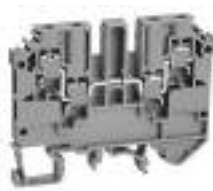
**Insulation Material:**  
Polyamide
















**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						
<b>Pitch</b>	6 mm		6 mm			
<b>Height x Width</b>	47 x 46.5 mm		51.5 x 65 mm			
<b>Wire Range UL</b>	22-10 AWG		22-10 AWG			
<b>Strip Length</b>	9 mm		9 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
<b>Voltage Rating</b>	600 V	630 V	600 V	600 V	630 V	600 V
<b>Current Rating</b>	35 A	32 A	35 A	35 A	32 A	35 A
<b>Torque</b>	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Accessories						
<b>INSULATION</b>						
<b>End Plate</b>		ATM41EP		ATM42EP		
<b>Separator Plate</b>						
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)				ATBDR3251 ATBDR3551 ATBDR351551		
<b>End Stop</b>		ATB2EC1				
<b>INTERCONNECTION</b>						
<b>Pre Assembled Shorting Links</b>	2 pole 3 pole 10 pole		ATB4SL12 ATB4SL13 ATB4SL110			
<b>Insulated Pre Assembled Shorting Links</b>	2 pole 3 pole 10 pole		ATB4SL22 ATB4SL23 ATB4SL210			
<b>Insulated Comb Type Shorting Link</b>	2 pole 3 pole 10 pole		ATB4CL12 ATB4CL13 ATB4CL110			
<b>Test Socket</b>		ATB2TS				
Marking						
<b>Marking Tags</b>	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						
<b>Pitch</b>	6 mm		6 mm			
<b>Height x Width</b>	54 x 55.5 mm		54 x 55.5 mm			
<b>Wire Range UL</b>	20-10 AWG		22-10 AWG			
<b>Strip Length</b>	9 mm		9 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
<b>Voltage Rating</b>	300 V	400 V	300 V	300 V	400 V	300 V
<b>Current Rating</b>	35 A	32 A	35 A	35 A	32 A	35 A
<b>Torque</b>	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Accessories						
<b>INSULATION</b>						
<b>End Plate</b>		ATD4EP				
<b>Separator Plate</b>		ATD4SP				
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551				
<b>End Stop</b>		ATB2EC1				
<b>INTERCONNECTION</b>						
<b>Pre Assembled Shorting Links</b>	2 pole 	ATD4SL12				
	3 pole 	ATD4SL13				
	10 pole 	ATD4SL110				
<b>Insulated Pre Assembled Shorting Links</b>	2 pole 	ATD4SL22				
	3 pole 	ATD4SL23				
	10 pole 	ATD4SL210				
<b>Insulated Comb Type Shorting Link</b>	2 pole 	ATD4CL12				
	3 pole 	ATD4CL13				
	10 pole 	ATD4CL110				
<b>Test Socket</b>		ATD4TS				
Marking						
<b>Marking Tags</b>	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.

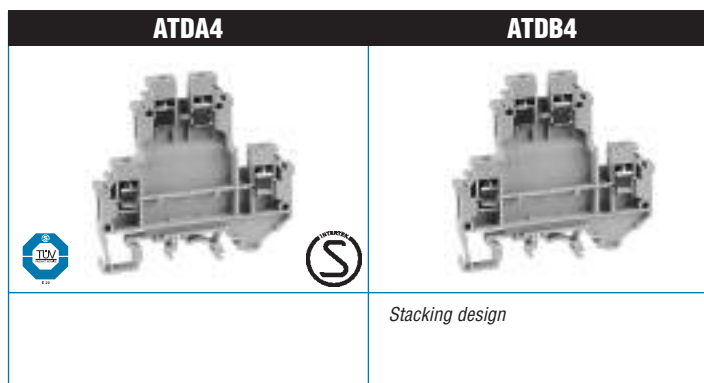
**Insulation Material:**  
Polyamide




















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

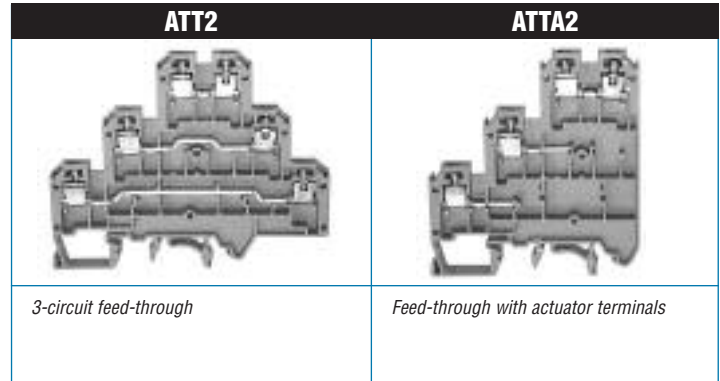
**Insulation Material:**  
Polyamide














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

**Standard Color:** Gray

Alternate colors available as indicated below:

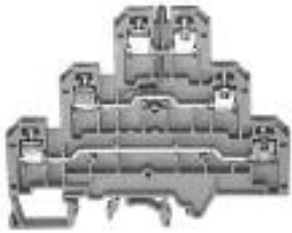







COLOR	SUFFIX
Blue	BU
Black	BK
Red	R
Yellow	Y



Specifications						
<b>Pitch</b>	6 mm		6 mm			
<b>Height x Width</b>	67 x 84 mm		67 x 61 mm			
<b>Wire Range UL</b>	24-12 AWG		24-12 AWG			
<b>Strip Length</b>	9 mm		9 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-12 AWG	0.5-2.5 sq.mm	24-12 AWG	22-12 AWG	0.5-2.5 sq.mm	24-12 AWG
<b>Voltage Rating</b>	300 V	400 V	300 V	300 V	400 V	300 V
<b>Current Rating</b>	25 A	24 A	25 A	25 A	24 A	25 A
<b>Torque</b>	4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in
Accessories						
<b>INSULATION</b>						
<b>End Plate</b>		ATT2EP	ATTA2EP			
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551				
<b>End Stop</b>		ATB2EC1				
<b>INTERCONNECTION</b>						
<b>Pre Assembled Shorting Links</b>	2 pole 3 pole 10 pole		ATT2SL12 ATT2SL13 ATT2SL110			
<b>Insulated Comb Type Shorting Link</b>	2 pole 3 pole 10 pole		ATT2CL12 ATT2CL13 ATT2CL110			
<b>Test Socket</b>		ATT2TS				
Marking						
<b>Marking Tags</b>	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						
<b>INSULATION</b>						
End Plate		ATF4EP				
Partition Plate		ATF4PP				
<b>MOUNTING</b>						
Mounting Rail (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551				
End Stop		ATB2EC1				
<b>INTERCONNECTION</b>						
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.

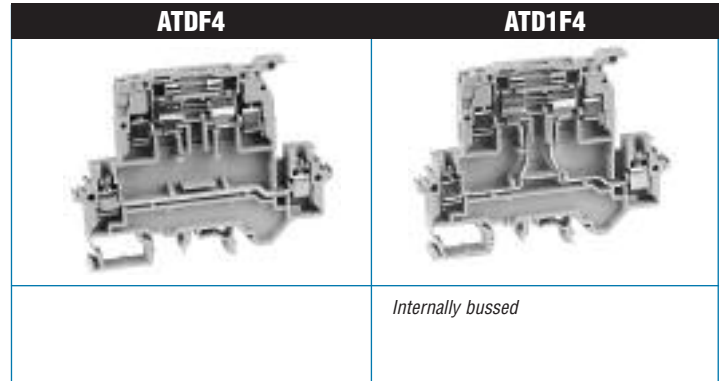
**Insulation Material:**  
Polyamide

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

ATDFL4 Circuit Voltage	
24 V AC/DC	ATDFL4
110 V AC/DC	ATDFL4110
220 V AC/DC	ATDFL4220

ATD1FL4		
		
LED indicator Internally bussed		
8 mm		
66 x 88 mm		
20-10 AWG		
9.5 mm		
ATD1FL4 Circuit Voltage		
		
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

## 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.

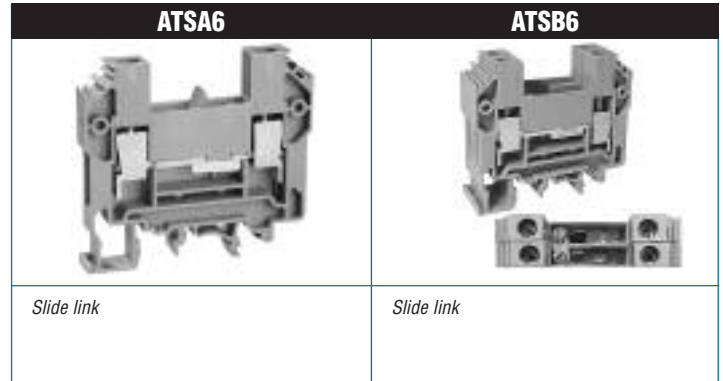
**Insulation Material:**  
Polyamide









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

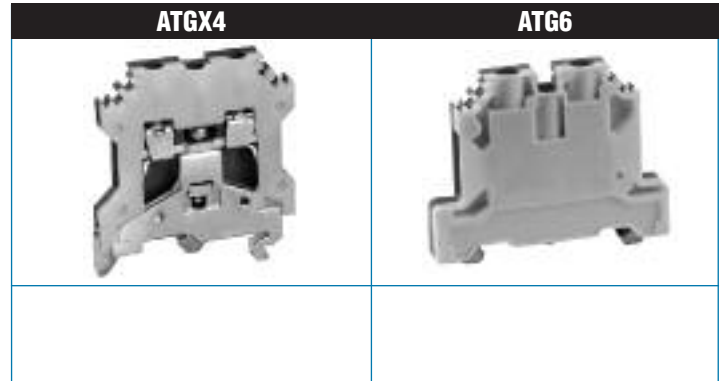
The distinctively colored green and yellow (in accordance with international standards) ground terminal blocks are installed by a center locking screw mechanism, and provide a secure metal-to-metal connection to the mounting rail and panel, with the rail functioning as a ground potential bus bar. Designs 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						
<b>Pitch</b>	6 mm		6 mm			
<b>Height x Width</b>	48 x 43 mm		47 x 54.5 mm			
<b>Wire Range UL</b>	22-10 AWG		22-8 AWG			
<b>Strip Length</b>	9 mm		12 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-8 AWG	0.5-6 sq.mm	22-8 AWG
<b>Voltage Rating</b>	800 V		800 V			
<b>Current Rating</b>	32 A		41 A			
<b>Torque</b>	7 lb-in	0.5 Nm	7 lb-in	14 lb-in	0.8 Nm	14 lb-in
Accessories						
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551		ATBDR3551 ATBDR351551		
Marking						
<b>Marking Tags</b>	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.

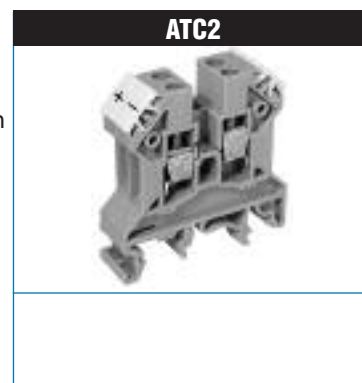
**Insulation Material:**  
Polyamide

**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

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

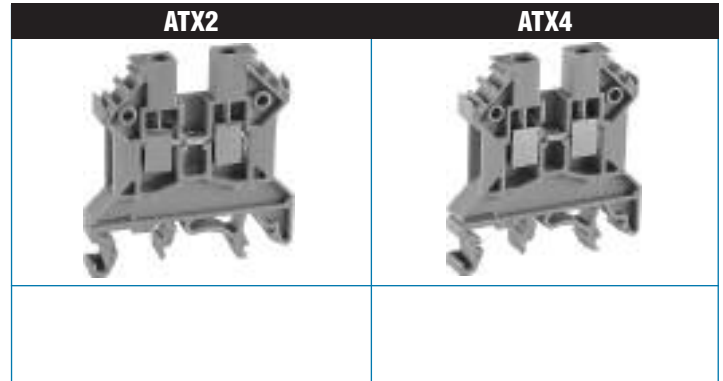
**Insulation Material:**  
Polyamide

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


<b>Pitch</b>	15 mm
<b>Height x Width</b>	58 x 52.5 mm
<b>Wire Range UL</b>	18-2 AWG
<b>Strip Length</b>	18 mm

### Ratings



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

### Accessories





#### INSULATION

<b>End Plate</b>		ATX2EP
<b>Partition Plate</b>		ATX2PP
<b>Separator Plate</b>		ATX2SP

#### MOUNTING

<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)		ATBDR3251 ATBDR3551 ATBDR351551
<b>End Stop</b>		ATB2EC1

#### INTERCONNECTION

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

### Marking

<b>Marking Tags</b>	K Type		ATX25MT1
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## 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.

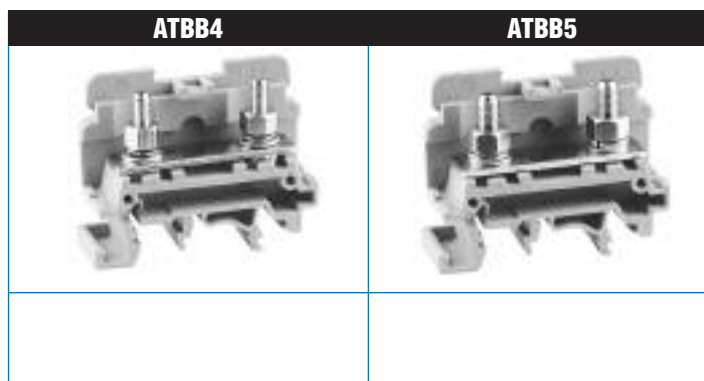
**Insulation Material:**  
Polyamide









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

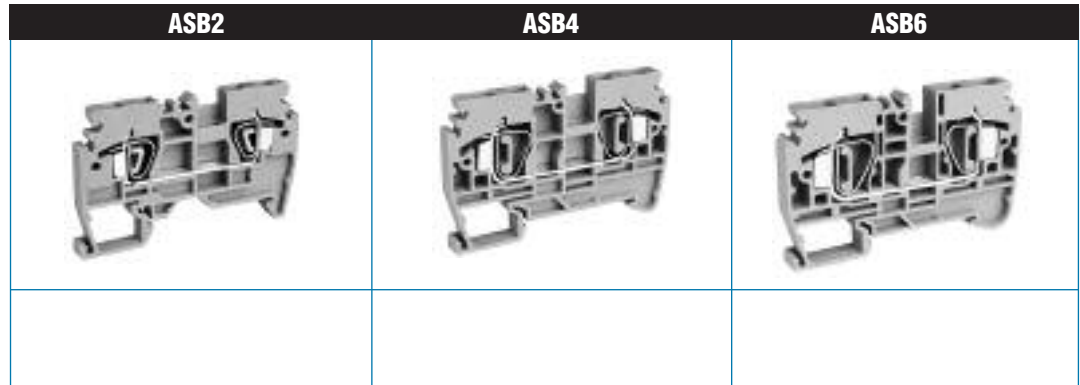
**Insulation Material:** Polyamide














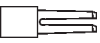



**Accessory and Marking Details:** Pages 132-135

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

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

## Spring-Clamp Ground Blocks

### SPRING-CLAMP GROUND BLOCKS

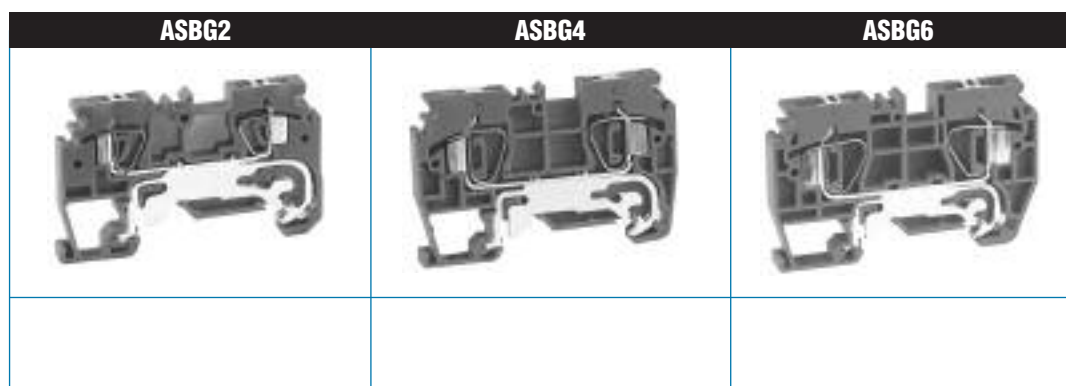
Screwless spring-clamp ground blocks – designed to simplify installation and save time and labor – are available for stranded and solid wires from AWG22 - 8. Individual spring contact clamps are depressed to insert a wire by using a screwdriver. Once released, the spring clamp maintains a consistent, 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										
<b>Pitch</b>	5 mm			6 mm			8 mm			
<b>Height x Width</b>	36 x 58 mm			42 x 65 mm			45 x 72 mm			
<b>Wire Range UL</b>	22-14 AWG			22-12 AWG			22-8 AWG			
<b>Strip Length</b>	9 mm			9 mm			12 mm			
Ratings										
										
<b>Rated Cross Section</b>	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	
<b>Voltage Rating</b>	800 V			800 V			800 V			
<b>Current Rating</b>	24 A			32 A			41 A			
Accessories										
<b>MOUNTING</b>										
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted) 				ATBDR3551 ATBDR351551						
Marking										
<b>Marking Tags</b> 	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						
<b>Pitch</b>	5 mm		6 mm			
<b>Height x Width</b>	36 x 74 mm		36 x 90 mm			
<b>Wire Range UL</b>	22-14 AWG		22-14 AWG			
<b>Strip Length</b>	9 mm		9 mm			
Ratings						
						
<b>Rated Cross Section</b>	22-14 AWG	0.5-2.5 sq.mm	22-14 AWG	22-14 AWG	0.5-2.5 sq.mm	22-14 AWG
<b>Voltage Rating</b>	600 V	800 V	600 V	600 V	800 V	600 V
<b>Current Rating</b>	20 A	24 A	20 A	20 A	24 A	20 A
Accessories						
<b>INSULATION</b>						
<b>End Plate</b>		ASBM21EP	ASBM22EP			
<b>MOUNTING</b>						
<b>Mounting Rail</b> (std. rail is 1.0 meters pre-slotted)				ATBDR3551 ATBDR351551		
<b>End Stop</b>				ATB2EC1		
<b>INTERCONNECTION</b>						
<b>Insulated Push-In Type* Shorting Link (2 way)</b>				ASB2SL2		
<b>Insulated Push-In Type (wire) Shorting Link</b>				ASB2SL22		
<b>Alternate Link</b>				ASB2SL21		
Marking						
<b>Marking Tags</b>	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.

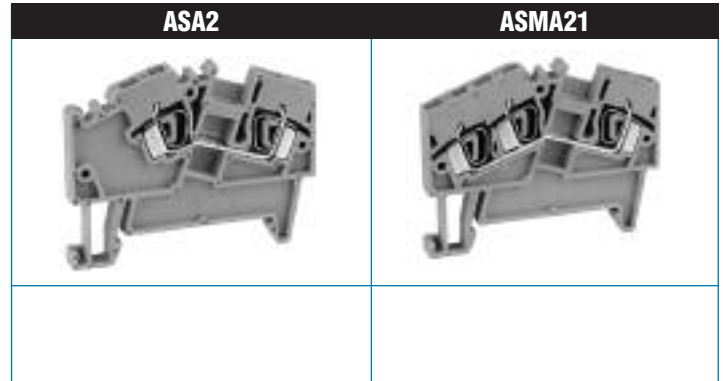
**Insulation Material:**  
Polyamide








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

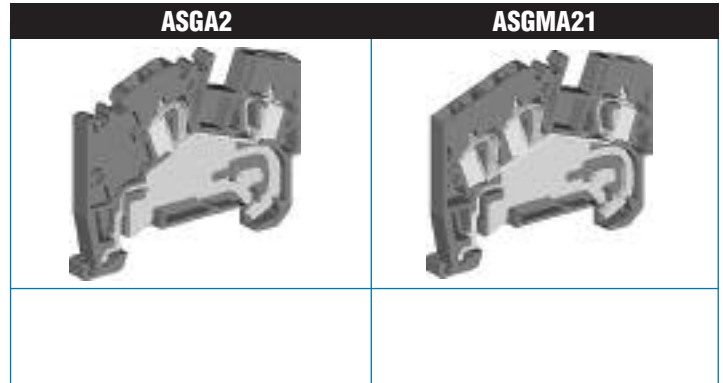
Polyamide



#### Accessory and Marking

Details: Pages 132-135

#### Standard Color:

Green/Yellow



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

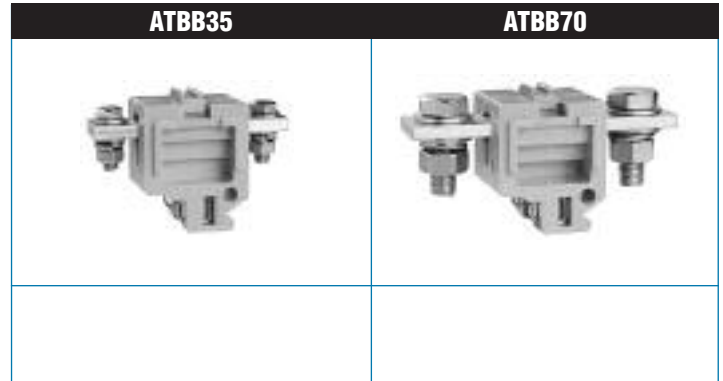
**Insulation Material:** High Grade Melamine

**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



	ATBB35			ATBB70		
<b>Specifications</b>						
<b>Pitch</b>	28 mm			40 mm		
<b>Height x Width</b>	49 x 75 mm			49 x 98 mm		
<b>Wire Range UL</b>	8-2 AWG			8-2/0 AWG		
<b>Strip Length/Bolt Size</b>	20 mm/M6 x 20 mm			26 mm/M10 x 30 mm		
<b>Ratings</b>						
<b>Rated Cross Section</b>	8-2 AWG	16-35 sq.mm	8-2 AWG	8-2/0 AWG	35-70 sq.mm	8-2/0 AWG
<b>Voltage Rating</b>	600 V	1000 V	600 V	600 V	1000 V	600 V
<b>Current Rating</b>	145 A	125 A	145 A	250 A	192 A	250 A
<b>Torque</b>	27 lb-in	3.0 Nm	27 lb-in	87 lb-in	10.0 Nm	87 lb-in
<b>Accessories</b>						
<b>INSULATION</b>						
<b>End/Partition Plate</b>				ATBB35EP	ATBB35EP1	
<b>Partition Plate (Polyamide 66)</b>				ATBB35PP		
<b>MOUNTING</b>						
<b>Mounting Rail (std. rail is 1.0 meters pre-slotted)</b>				ATBDR3251		
<b>End Stop</b>				ATB2EC1		
<b>INTERCONNECTION</b>						
<b>Protective Cover</b>	100 mm			ATBB35PC	ATBB35PC1	
	190 mm					
<b>Marking</b>						
<b>Marking Tags</b>				?????		
<b>Locating Support for ATBB35EP1</b>				ATBB35EP2		

# Bus Bar Terminal Blocks

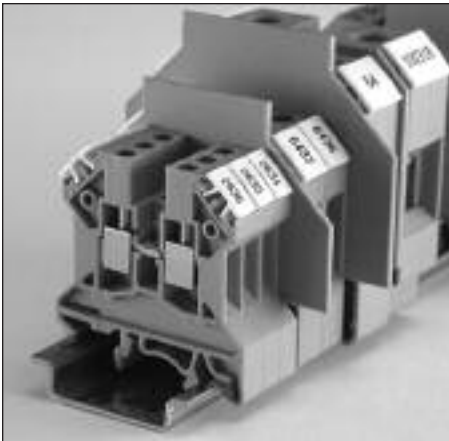
ATBB95			ATBC35			ATBC70			ATBC95		
											
40 mm			28 mm			40 mm			40 mm		
49 x 130 mm			49 x 75 mm			49 x 98 mm			49 x 130 mm		
8-4/0 AWG			8-2 AWG			8-2/0 AWG			8-4/0 AWG		
26 mm/M10 x 30 mm			20 mm/M6x 20 mm			26 mm/M10 x 30 mm			26 mm/M10 x 30 mm		
 			 			 			 		
8-4/0 AWG	35-95 sq.mm	8-4/0 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

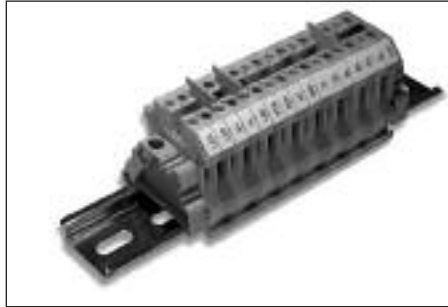
### End Plate

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

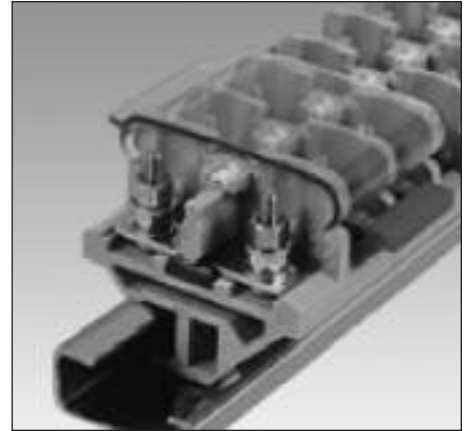
Partition plates provide visual separation between groups of blocks in an assembly, and often function as a guide in identifying block functions and wiring the assembly.



### Separator Plates

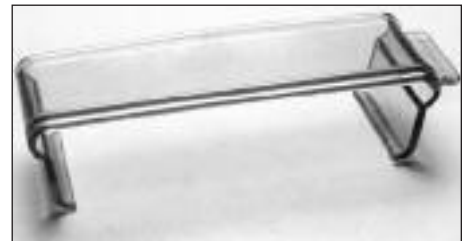
The Separator Plate provides electrical insulation between adjoining bus bars, and is only used in applications where bus bars are installed in adjacent terminal blocks. The plate eliminates the possibility of shorting between bus bars.

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.

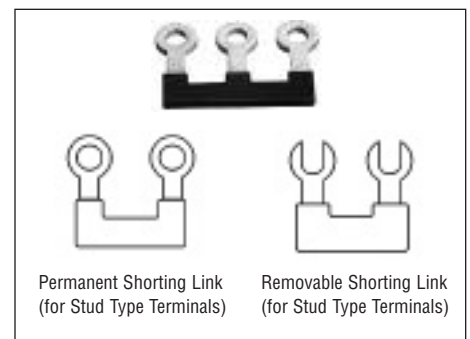
#### Shorting Links for Spring Clamp Blocks

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.





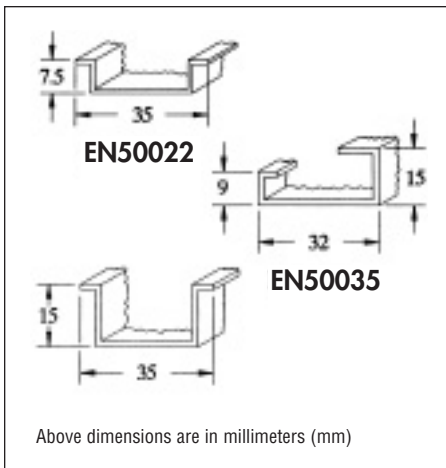
### Mounting Rails

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.



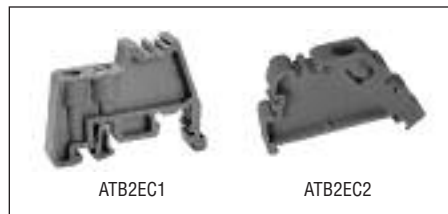
With few exceptions, the terminal block variations depicted in this catalog will readily mount in all three basic track variations. The convenience, operating flexibility and inventory reduction provided by this feature is a key element of the rail mount terminal block system.

### 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.

