DIN TERMINAL BLOCKS
Modular, Rail-Mount Interconnect 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-sembled custom units, rail-mounted and marked to specification. Contact Amphenol Pcd to review your requirements

MATERIAL

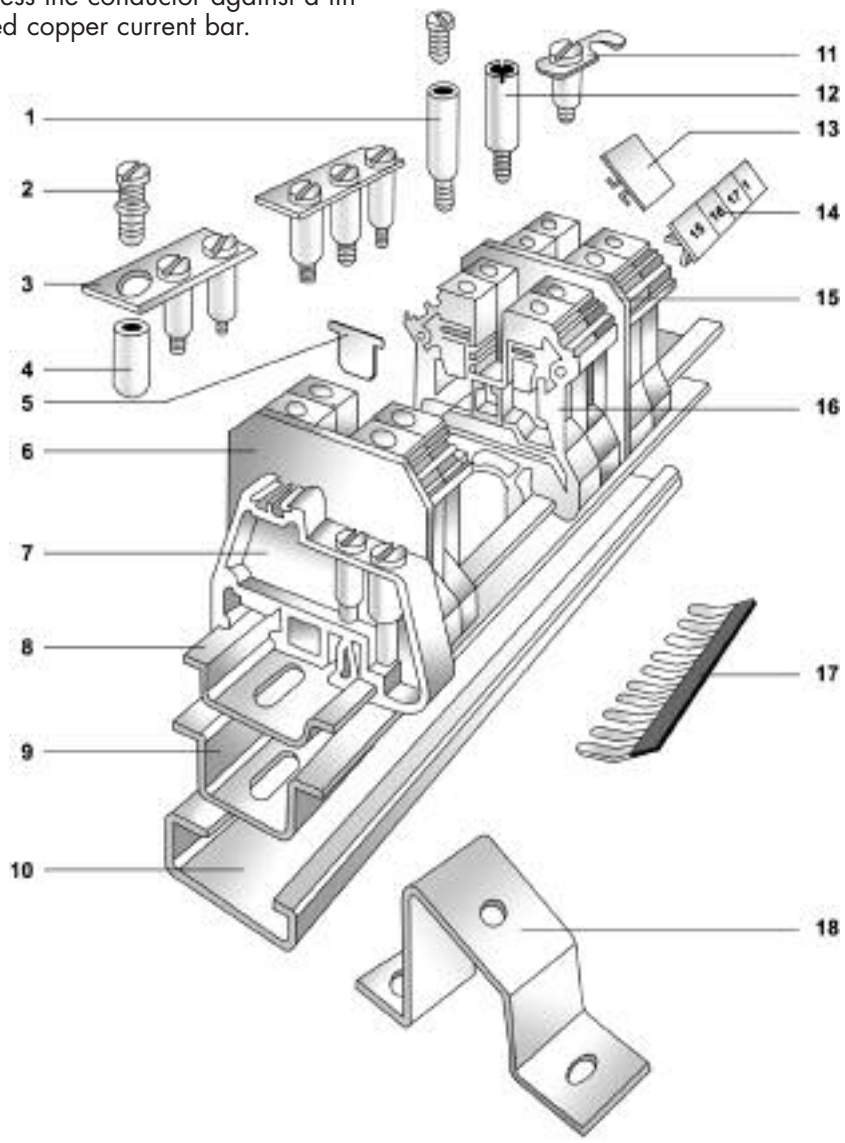
DIN terminal blocks are molded of high strength, flexible Polyamide 6.6 thermoplastic. This material features an operating range of -30° C to 100° C and has a long history of successful field application. High Current bus Bar type blocks (pages 130-131) are molded of high grade Melamine.

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.



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Feed-Through Terminal Blocks

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

	ATB2	ATB4
		
	This is an area for a description of why you might use the part shown above. Three lines of copy, maximum.	*This is an area for a description of why you might use the part shown above. Three lines of copy, maximum.*
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		
	cSAus / VDE / cULus	cSAus / VDE / cULus
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.

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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 ATB6SL13 ATB6SL110	ATB10SL12 ATB10SL13 ATB10SL110	ATB16SL12 ATB16SL13 ATB16SL110	ATB25SL12 ATB25SL13 ATB25SL110
ATB6SL22 ATB6SL23 ATB6SL210	ATB10SL22 ATB10SL23 ATB10SL210	ATB16SL22 ATB16SL23 ATB16SL210	ATB25SL22 ATB25SL23 ATB25SL210
ATB6CL12 ATB6CL13 ATB6CL110	ATB10CL12 ATB10CL13 ATB10CL110		
ATB6TS			ATB25TS
ATB6MT1	ATB10MT1	ATB16MT1	ATB25MT1

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Feed-Through Terminal Blocks

	ATB35	ATB50	ATB95
			
		Protected Body	

Specifications

	ATB35	ATB50	ATB95
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

	c SP us	VDE	c UL us	c SP us	VDE	c UL us	c SP us	VDE	c UL us
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

		ATB35	ATB50	ATB95
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 3 pole 10 pole		ATB35SL12 ATB35SL13 ATB35SL110		
Insulated Pre Assembled Shorting Links 2 pole 3 pole 10 pole		ATB35SL22 ATB35SL23 ATB35SL210		
Insulated Comb Type Shorting Link 2 pole 3 pole 10 pole				
Test Socket		ATB25TS		
Marking				
Marking Tags K Type		ATB35MT1		

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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.

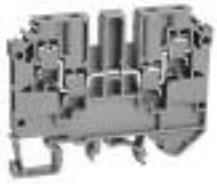
Insulation Material: Polyamide

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							
		cSAus	VDE	cULus	cSAus	VDE	cULus
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					

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Double Level Feed-Through Blocks

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.

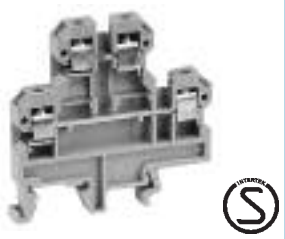
Insulation Material: Polyamide

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
		
	Separate circuits	*Circuits bussed internally*

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						
	CSA US	VDE	CUL US	CSA US		CUL US
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 3 pole 10 pole		ATD4SL12 ATD4SL13 ATD4SL110
Insulated Pre Assembled Shorting Links	2 pole 3 pole 10 pole		ATD4SL22 ATD4SL23 ATD4SL210
Insulated Comb Type Shorting Link	2 pole 3 pole 10 pole		ATD4CL12 ATD4CL13 ATD4CL110
Test Socket			ATD4TS
Marking			
Marking Tags	K Type		ATD4MT1

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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.

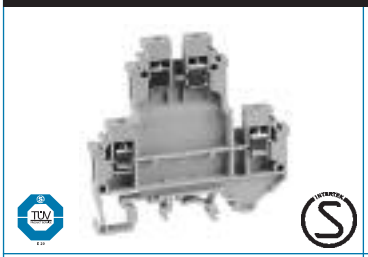
Insulation Material: Polyamide

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

	ATDA4	ATDB4
		
		Stacking design

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 (std. rail is 1.0 meters pre-slotted)			ATDBR3251 ATDBR3551 ATDBR351551
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.

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Triple Level Terminal Blocks

TRIPLE LEVEL TERMINAL BLOCKS

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

The ATTL2 and ATTAL2 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

	ATT2	ATTA2
		
	3-circuit feed-through	*Feed-through with actuator terminals*
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		
	CSA / VDE / UL	CSA / VDE / UL
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	ATT2SL12	
Pre Assembled Shorting Links — 3 pole	ATT2SL13	
Pre Assembled Shorting Links — 10 pole	ATT2SL110	
Insulated Comb Type Shorting Link — 2 pole	ATT2CL12	
Insulated Comb Type Shorting Link — 3 pole	ATT2CL13	
Insulated Comb Type Shorting Link — 10 pole	ATT2CL110	
Test Socket	ATT2TS	
Marking		
Marking Tags — K Type	ATT2MT1	

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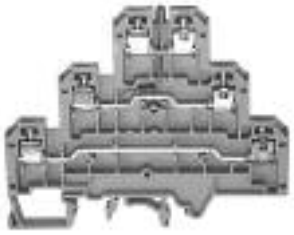
Triple Level Terminal Blocks

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
CSA / VDE / UL	CSA / VDE / UL
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

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						
	c SP us		c UL us	c SP us		c UL us
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		ATF6MTI

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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		

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Double Level Fused Switching Blocks

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

		ATDF4			ATD1F4		
							
					Internally bussed		
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							
		c SP us		c UL us	c SP us		
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	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A
	Bottom Level	25 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		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					

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Double Level Fused Blocks With Indicator Light

ATDFL4

LED indicator

8 mm	
66 x 88 mm	
22-10 AWG	
9.5 mm	

c SP us		c UL us
22-12 AWG	0.5-4 sq.mm	22-10 AWG
600 V	500 V	600
6.3 A 25 A	6.3 A 32 A	6.3 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	

c SP us		c UL us
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

AmphenolPcd

Disconnect and Test Terminal Blocks

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

	ATSA6	ATSB6
		
	Slide link	*Slide link*

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						
	CSA US	VDE	cULus	CSA US		
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					

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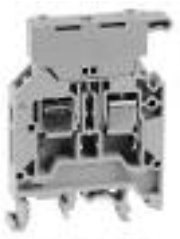
Disconnect and Test Terminal Blocks

ATSC4			ATSD6		
					
Knife contact			*Hinged link*		
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		

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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

	ATGX4			ATG6		
						
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						
	CSA US	VDE	cULus	CSA US		cULus
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:

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 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

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		

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Explosion Proof/ Harsh Environment Blocks

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

		ATX2			ATX4		
							
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							
		cSAus		cULus	cSAus		
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 3 pole 10 pole		ATX2SL12 ATX2SL13 ATX2SL110		ATX4SL12 ATX4SL13 ATX4SL110		
Insulated Pre Assembled Shorting Links	2 pole 3 pole 10 pole		ATX2SL22 ATX2SL23 ATX2SL210		ATX4SL22 ATX4SL23 ATX4SL210		
Insulated Comb Type Shorting Link	2 pole 3 pole 10 pole		ATX2CL12 ATX2CL13 ATX2CL110		ATX4CL12 ATX4CL13 ATX4CL110		
Test Socket		ATX2TS					
Marking							
Marking Tags	K Type 	ATX2MT1			ATX4MT1		

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Explosion Proof/ Harsh Environment 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
c SP us	c SP us	c SP us	c SP us
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 ATX6SL13 ATX6SL110	ATX10SL12 ATX10SL13 ATX10SL110	ATX16SL12 ATX16SL13 ATX16SL110	ATX25SL12 ATX25SL13 ATX25SL110
ATX6SL22 ATX6SL23 ATX6SL210	ATX10SL22 ATX10SL23 ATX10SL210	ATX16SL22 ATX16SL23 ATX16SL210	ATX25SL22 ATX25SL23 ATX25SL210
ATX6CL12 ATX6CL13 ATX6CL110	ATX10CL12 ATX10CL13 ATX10CL110		
ATX6TS			ATX25TS
ATX6MT1	ATX10MT1	ATX16MT1	

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Explosion Proof/ Harsh Environment Blocks

	ATX35		
			
Specifications			
Pitch	15 mm		
Height x Width	58 x 52.5 mm		
Wire Range UL	18-2 AWG		
Strip Length	18 mm		
Ratings			
	c SP us		
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		
Pre Assembled Shorting Links 3 pole	ATX35SL13		
Pre Assembled Shorting Links 10 pole	ATX35SL110		
Insulated Pre Assembled Shorting Links 2 pole	ATX35SL22		
Insulated Pre Assembled Shorting Links 3 pole	ATX35SL23		
Insulated Pre Assembled Shorting Links 10 pole	ATX35SL210		
Insulated Comb Type Shorting Link 2 pole	ATX35CL12		
Insulated Comb Type Shorting Link 3 pole	ATX35CL13		
Insulated Comb Type Shorting Link 10 pole	ATX35CL110		
Test Socket	ATX25TS		
Marking			
Marking Tags K Type	ATX25MT1		

AmphenolPcd

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

	ATBB4	ATBB5
		
Specifications		
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	22-4 AWG
Voltage Rating	600 V	800 V	600 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

AmphenolPcd

Spring-Clamp Feed-Through Blocks

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.

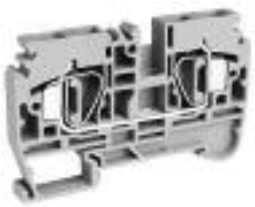
Insulation Material: Polyamide

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

	ASB2	ASB4	ASB6
			
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			
	CSA / VDE / cULus	CSA / VDE / cULus	CSA / VDE / cULus
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

AmphenolPcd

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

	ASBG2			ASBG4			ASBG6		
									
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									
				c SP us		c UL us			
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		

AmphenolPcd

Spring-Clamp Multiple Connection Feed-Through Blocks

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						
	cSAus	VDE	cULus	cSAus	VDE	cULus
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

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Spring-Clamp Multiple Connection Feed-Through 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
CSA US / VDE / cULus	CSA US / VDE / cULus	CSA US / — / cULus
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		ATB6MT1

AmphenolPcd

Spring-Clamp Angled Feed-Through Blocks

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.

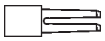
Insulation Material: Polyamide

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

	ASA2			ASMA21		
						
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

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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

	ASGA2	ASGMA21
		
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		

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Bus Bar Terminal Blocks

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
		

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						
	c SP us	(S)		c SP us	(S)	
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)		ATBBDR3251
End Stop		ATB2EC1
INTERCONNECTION		
Protective Cover 100 mm 190 mm		ATBB35PC ATBB35PC1

Marking		
Marking Tags		?????
Locating Support for ATBB35EP1		ATBB35EP2

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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
c SP us	S	c SP us	S	c SP us	S	c SP us	S
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			

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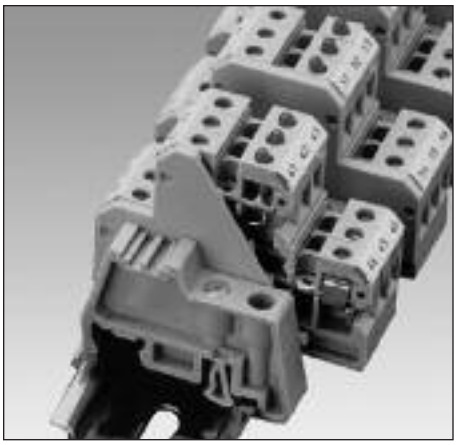
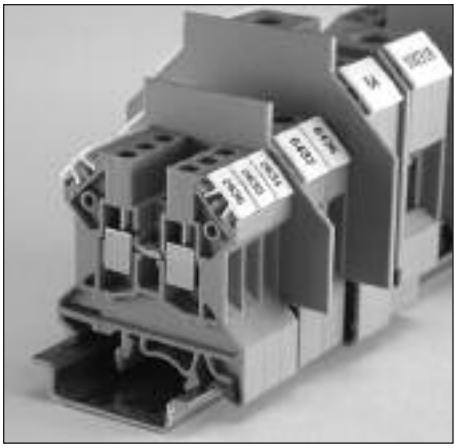
DIN TERMINAL BLOCKS Insulating Accessories



INSULATION

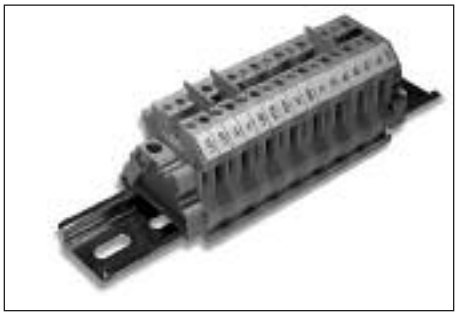
End Plate

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

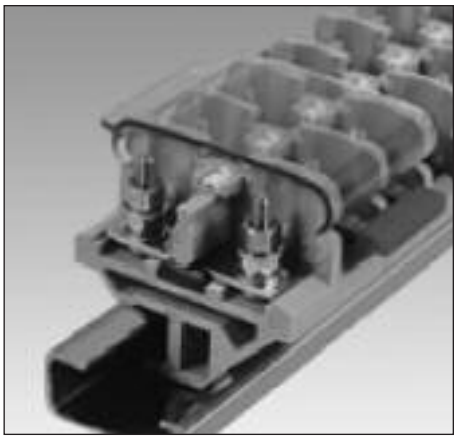
Partition plates provide visual separation between groups of blocks in an assembly, and often function as a guide in identifying block functions and wiring the assembly.



Separator Plates

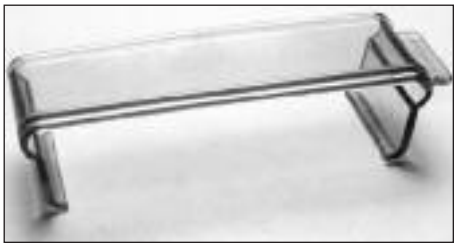
The Separator Plate provides electrical insulation between adjoining bus bars, and is only used in applications where bus bars are installed in adjacent terminal blocks. The plate eliminates the possibility of shorting between bus bars.

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

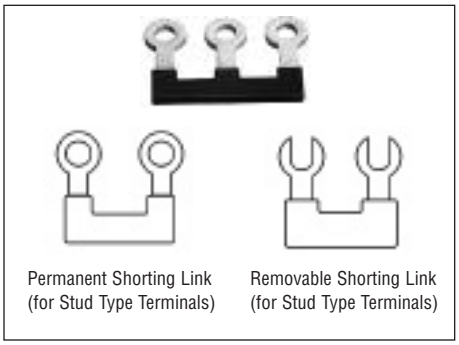
Test sockets are used for checking out circuits. The test socket screws into a tapped hole in the terminal block current bar, and accepts a standard test plug. Sockets can be left permanently in place, or only used as required. Contact Amphenol Pcd for specific recommendations.

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.



Permanent Shorting Link (for Stud Type Terminals)

Removable Shorting Link (for Stud Type Terminals)

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DIN TERMINAL BLOCKS Mounting Accessories

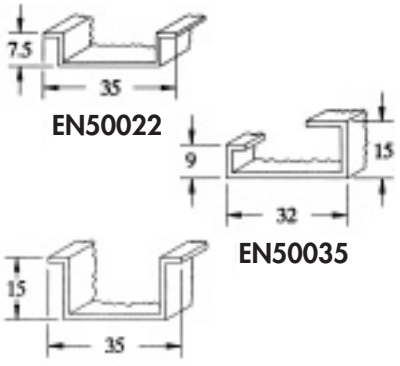
Mounting Rails

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.

ENS500045 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.



Above dimensions are in millimeters (mm)

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.

ATB2EC1 ATB2EC2

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.

ATBDRMB1
40 x 80 x 18 mm

ATBDRMB2/3/4
25.4/50.8/76.2 x 74 x 18 mm

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