

How To Read Terminal Block Specifications

Rated wire size (mm²)

Mounting on multiple rail

Spacing on rail - Spacing 6 mm + 0,05 (.238")

Block width on rail (mm)

Standard block* is shown on blue background

Additional information

Part number (Must be specified when ordering)

Approvals as of printing of this product guide. (Call Entrelec for latest approvals)

End stop	th. 9 mm	BADL V0	0199 408.02
End stop	th. 9,1 mm	BAM	0103 002.26
Rail	35 x 7,5 x 1	PR30 prepunched	0173 220.05
Rail	35 x 15 x 2,3	PR4	0168 500.12
Rail	35 x 15 x 1,5	PR5 prepunched	0101 598.26
Rail	32 x 15 x 1,5	PR1Z2	0163 050.04

Other end stops and rails : See Accessories section

Characteristics

Wire size		IEC	UL	CSA
		NFC DIN		
Compression	Solid wire	0,2-4 mm ²	22-10 AWG	22-10 AWG
clamp	Stranded wire	0,22-4 mm ²	22-10 AWG	22-10 AWG
Voltage				
Rated		800 V	600 V	600 V
Pulse		8 kV		
Pollution Degree		3		
Current				
Rated		32 A	30 A	25 A
Wire size				
Rated / Gauge		4 mm ² / A4	10 AWG	10 AWG
Wire stripping length	Recomm. Screwdriver	Recomm. torque	Protection	
9,5 mm	4 mm	0,5-0,8 Nm	IP 20	
.37"	.157"	4.4-7.1 lb.in.	NEMA 1	

SCM6			0113 003.10
SCM6			0123 003.12
SCM6 V0	V0		0193 003.11
SCF6		th. 3,0 mm	0118 707.03
SCF6		th. 3,0 mm	0128 707.05
SCF6 V0	V0	th. 3,0 mm	0198 707.03
SCF61		th. 3,0 mm	0122 707.25
SCFM6		th. 3,0 mm	0114 825.05
SCFM6		th. 2,4 mm	0103 619.04
BJA6	(1)	10 poles	0116 541.12
BJDP1	(1)(2)	spacing 6 <-> spacing 16	0179 623.03
BJDP3	(1)(2)	spacing 6 <-> spacing 12	0179 625.05

Marking method, see markers section.

* When the standard block is available with different options, the option is shown in blue on the picture, e.g., test socket, partition for closed block, etc.

How To Read Carton Labels

TYPE 1

TYPE 2

LEGEND FOR BOTH LABELS

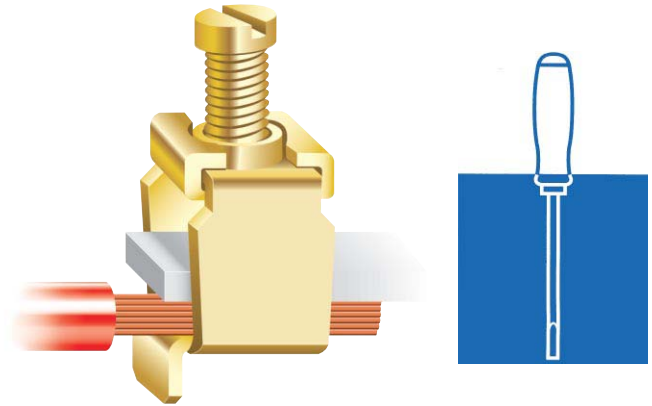
1. Part number	9. Manufacturing date code
2. Description	10. Tracking number
3. Recommended torque	11. Recommended screwdriver
4. Rated wire size	12. Profile of the product
5. "Made in France"	13. Wire stripping length
6. Bar code	14. Approvals
7. Color code of the year	15. Inspection stamp (random sampling)
8. Quantity	

Entrelec gives you a choice.

Screw clamp connection

The industry standard.

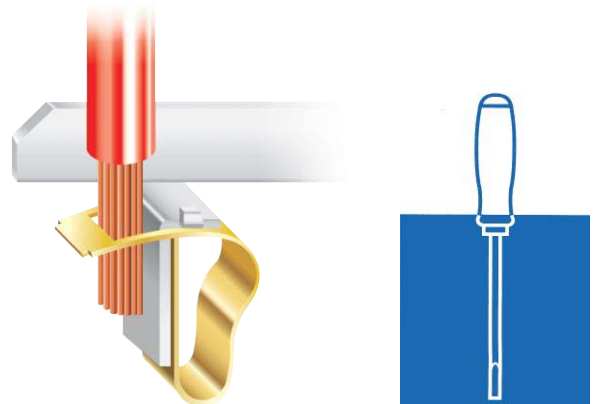
“The accepted standard” with 50 years of experience



Spring connection

The top entry connection.

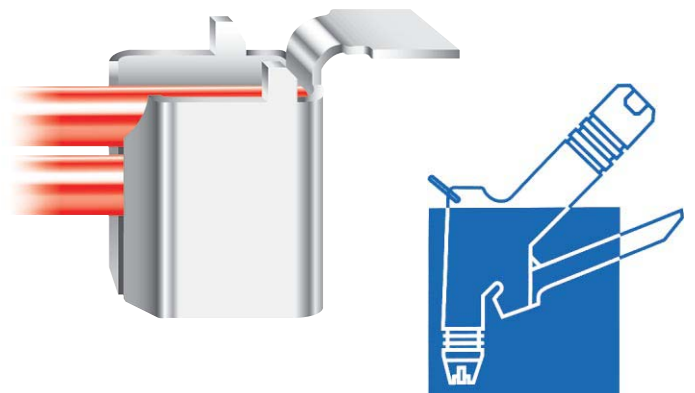
For a “top access” termination... incorporating ENTRELEC'S experience.



ADO **A.D.O.**
Insulation displacement

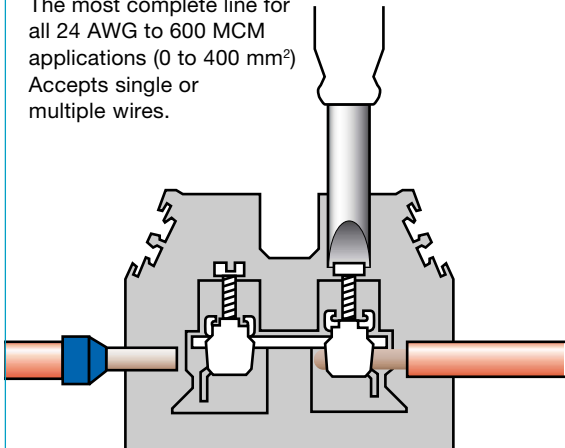
The ultimate connection technology.

“For high quality, innovative connection technology”



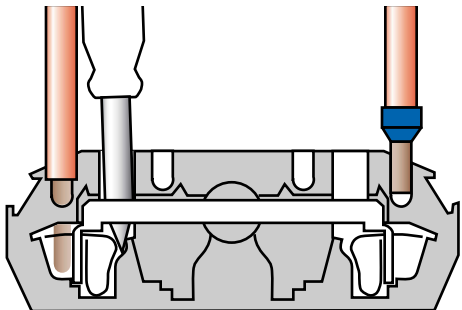
Screw Clamp Connection

The most complete line for all 24 AWG to 600 MCM applications (0 to 400 mm²) Accepts single or multiple wires.



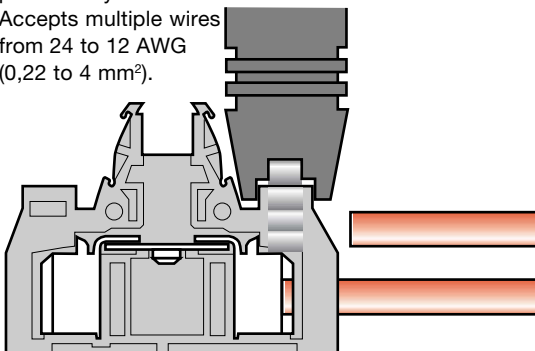
Spring Connection

Entrelec makes it user-friendly. Easy marking systems, shield connector, and same profile on rail, regardless of size. Many other exclusive features. Accepts 26 to 0 AWG (0,12 to 53.5 mm²).



A.D.O. Connection

An insulation displacement connector featuring high reliability, vibration free connection, and corrosion proof contacts. Fast, time saving wiring increases productivity. Accepts multiple wires from 24 to 12 AWG (0,22 to 4 mm²).

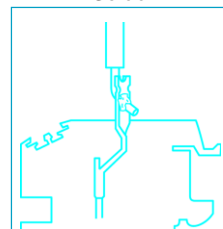


ENTRELEC OFFERS YOU 50 YEARS OF EXPERIENCE AND INNOVATION.

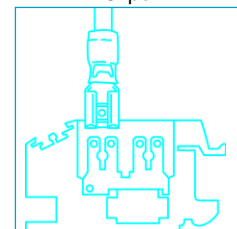
Entrelec offers all proven wire connection technologies.

Standard screw clamp, solder, wire wrapping, clips, lugs, and spring connections, plus the exclusive A.D.O. insulation displacement connection.

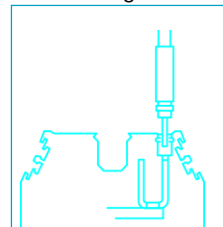
Solder



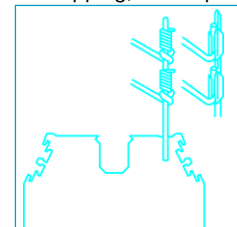
Clips



Lugs



Wire wrapping, Thermipoint®



Select from thousands of functional terminal blocks and accessories, including custom products, to facilitate wiring, testing, marking, and trouble shooting.

Let us help you to choose the best Entrelec connection technology to fit your application.

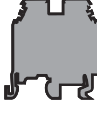
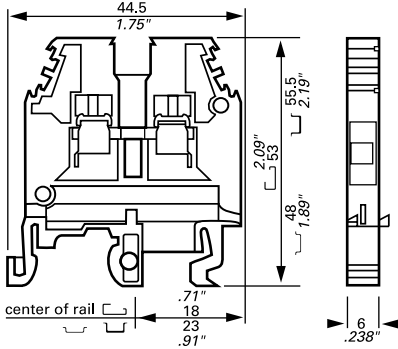
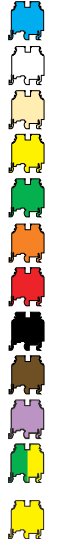
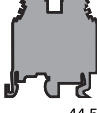
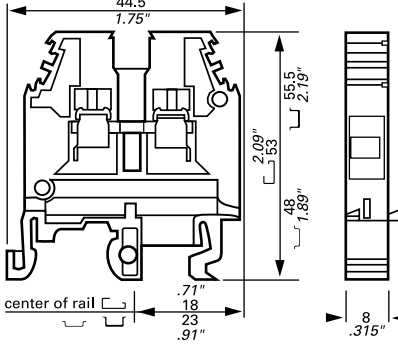


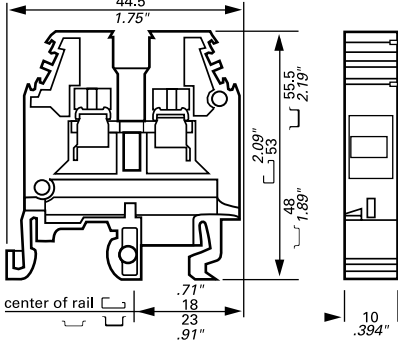

OUR BASIC TERMINAL BLOCKS

MOST POPULAR

Our most popular and economical terminal blocks meet most of your wire termination needs.

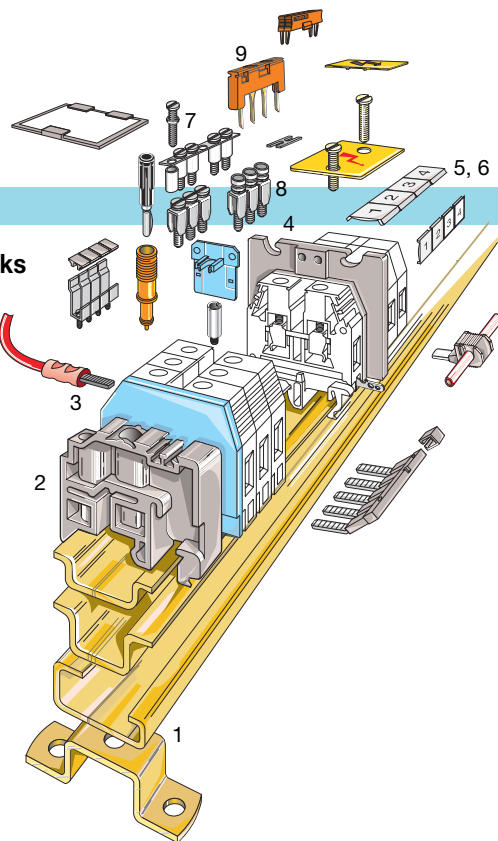
Choose the M 4/6, M 6/8, and M 10/10 for:

- Versatility – accommodate wire sizes from 22 - 6 AWG and multiple wire, wide current range
- Flexibility – snap onto symmetrical and asymmetrical DIN rails
- Modularity – respond quickly to design changes
- UL, CSA, VDE, IEC and other worldwide approvals
- Color coded bodies – for circuit identification

Description/Ratings				Standard Grey Body	P/N	Color Coded Bodies	P/N																														
<p>M 4/6</p> <p>Spacing 6 mm + 0,05 .238"</p> <p>50 blocks per foot of rail</p> <table border="1"> <thead> <tr> <th>Wire</th> <th>UL</th> <th>CSA</th> <th>DIN-VDE</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Solid</td> <td rowspan="2">22-10 AWG</td> <td rowspan="2">22-10 AWG</td> <td>0-4 mm²</td> </tr> <tr> <td>0-4 mm²</td> </tr> <tr> <td rowspan="2">Stranded</td> <td rowspan="2">600</td> <td rowspan="2">600</td> <td>750 Gr. C</td> </tr> <tr> <td>900 Gr. C</td> </tr> <tr> <td>V</td> <td>AC</td> <td></td> <td></td> </tr> <tr> <td>V</td> <td>DC</td> <td></td> <td></td> </tr> <tr> <td>I</td> <td>30A</td> <td>25A</td> <td>35A</td> </tr> </tbody> </table> <p>Multiple Wire Termination</p> <table border="1"> <tr> <td>1 Wire</td> <td>22 to 10 AWG</td> </tr> <tr> <td>2 Wires</td> <td>18 or 16 AWG</td> </tr> <tr> <td>3 Wires</td> <td>22 or 20 AWG</td> </tr> </table>				Wire	UL	CSA	DIN-VDE	Solid	22-10 AWG	22-10 AWG	0-4 mm ²	0-4 mm ²	Stranded	600	600	750 Gr. C	900 Gr. C	V	AC			V	DC			I	30A	25A	35A	1 Wire	22 to 10 AWG	2 Wires	18 or 16 AWG	3 Wires	22 or 20 AWG	 Grey <p>0115 116.07</p> 	 <ul style="list-style-type: none"> Blue 0125 116.01 White 0105 051.20 Beige 0195 116.00 Yellow 0105 116.16 Green 0105 001.27 Orange 0105 002.20 Red 0105 032.15 Black 0105 031.14 Brown 0105 209.14 Violet 0206 404.05 M 4/6.P Green/yellow 0165 113.16 Electrically grounded to the rail M 4/6.P1 Yellow 0165 275.00 Isolated ground, (top: yellow/green)
Wire	UL	CSA	DIN-VDE																																		
Solid	22-10 AWG	22-10 AWG	0-4 mm ²																																		
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3 Wires	22 or 20 AWG																																				
<p>M 6/8</p> <p>Spacing 8 mm - 0,05 .315"</p> <p>38 blocks per foot of rail</p> <table border="1"> <thead> <tr> <th>Wire</th> <th>UL</th> <th>CSA</th> <th>DIN-VDE</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Solid</td> <td rowspan="2">22-8 AWG</td> <td rowspan="2">18-8 AWG</td> <td>0-10 mm²</td> </tr> <tr> <td>0-6 mm²</td> </tr> <tr> <td rowspan="2">Stranded</td> <td rowspan="2">600</td> <td rowspan="2">600</td> <td>750 Gr. C</td> </tr> <tr> <td>900 Gr. C</td> </tr> <tr> <td>V</td> <td>AC</td> <td></td> <td></td> </tr> <tr> <td>V</td> <td>DC</td> <td></td> <td></td> </tr> <tr> <td>I</td> <td>50A</td> <td>50A</td> <td>46A</td> </tr> </tbody> </table> <p>Multiple Wire Termination</p> <table border="1"> <tr> <td>1 Wire</td> <td>22 to 8 AWG</td> </tr> <tr> <td>2 Wires</td> <td>18 to 12 AWG</td> </tr> <tr> <td>3 Wires</td> <td>22 to 16 AWG</td> </tr> </table>				Wire	UL	CSA	DIN-VDE	Solid	22-8 AWG	18-8 AWG	0-10 mm ²	0-6 mm ²	Stranded	600	600	750 Gr. C	900 Gr. C	V	AC			V	DC			I	50A	50A	46A	1 Wire	22 to 8 AWG	2 Wires	18 to 12 AWG	3 Wires	22 to 16 AWG	 Grey <p>0115 118.11</p> 	 <ul style="list-style-type: none"> Blue 0125 118.13 Beige 0195 118.12 Yellow 0105 118.20 Orange 0105 004.22 Green 0105 128.22 M 6/8.P Green/yellow 0165 114.17 Electrically grounded to the rail M 6/8.P1 Yellow 0165 451.21 Isolated ground, (top: yellow/green) M 6/8.RTS Grey 0115 571.17 M 6/8 with blank top marking surface
Wire	UL	CSA	DIN-VDE																																		
Solid	22-8 AWG	18-8 AWG	0-10 mm ²																																		
			0-6 mm ²																																		
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			900 Gr. C																																		
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V	DC																																				
I	50A	50A	46A																																		
1 Wire	22 to 8 AWG																																				
2 Wires	18 to 12 AWG																																				
3 Wires	22 to 16 AWG																																				
<p>M 10/10</p> <p>Spacing 10 mm - 0,05 .394"</p> <p>30 blocks per foot of rail</p> <table border="1"> <thead> <tr> <th>Wire</th> <th>UL</th> <th>CSA</th> <th>DIN-VDE</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Solid</td> <td rowspan="2">20-6 AWG</td> <td rowspan="2">18-6 AWG</td> <td>0-16 mm²</td> </tr> <tr> <td>0-10 mm²</td> </tr> <tr> <td rowspan="2">Stranded</td> <td rowspan="2">600</td> <td rowspan="2">600</td> <td>750 Gr. C</td> </tr> <tr> <td>900 Gr. C</td> </tr> <tr> <td>V</td> <td>AC</td> <td></td> <td></td> </tr> <tr> <td>V</td> <td>DC</td> <td></td> <td></td> </tr> <tr> <td>I</td> <td>65A</td> <td>70A</td> <td>63A</td> </tr> </tbody> </table> <p>Multiple Wire Termination</p> <table border="1"> <tr> <td>1 Wire</td> <td>20 to 6 AWG</td> </tr> <tr> <td>2 Wires</td> <td>20 to 12 AWG</td> </tr> <tr> <td>3 Wires</td> <td>20 or 18 AWG</td> </tr> </table>				Wire	UL	CSA	DIN-VDE	Solid	20-6 AWG	18-6 AWG	0-16 mm ²	0-10 mm ²	Stranded	600	600	750 Gr. C	900 Gr. C	V	AC			V	DC			I	65A	70A	63A	1 Wire	20 to 6 AWG	2 Wires	20 to 12 AWG	3 Wires	20 or 18 AWG	 Grey <p>0115 120.17</p> 	 <ul style="list-style-type: none"> Blue 0125 120.11 Yellow 0105 120.26 Beige 0195 120.10 M 10/10.P Green/yellow 0165 115.10 Electrically grounded to the rail M 10/10.P1 Yellow 0165 452.22 Isolated ground, (top: yellow/green) M 10/10.RTS Grey 0115 572.10 M 10/10 with blank top marking surface
Wire	UL	CSA	DIN-VDE																																		
Solid	20-6 AWG	18-6 AWG	0-16 mm ²																																		
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1 Wire	20 to 6 AWG																																				
2 Wires	20 to 12 AWG																																				
3 Wires	20 or 18 AWG																																				

ACCESSORIES

For additional accessories and markers see section 13



Description/Ratings	P/N	Standard Grey Body	P/N
M 4/6			
1-4 See accessories common to the 3 basic blocks, right column			
5. Marker cards			
Blank	RC610	0233 000.01	
Printed		(see pages 1929-1937)	
6. Top marker strip			
Blank	RCT610	0236 000.04	
Printed	RTM7	0103 115.13	
RCT610 can be custom marked			
7. Jumper bar not preassembled			
Jumper bar	BJS6	0174 784.20	
Sub-assembly	EV6	0168 604.16	
8. Assembled jumper bars			
	With screws	Screwless	
2 poles	0168 516.25	0299 694.04	
3 poles	0168 517.26	0299 695.05	
4 poles	0168 518.07	0299 696.06	
5 poles	0168 519.00	0299 697.07	
10 poles	0168 973.07	0299 702.14	

Accessories Common to the 3 Basic Blocks

- Mounting rails:
 - DIN 3 prepunched, PR30 **0173 220.05**
 - DIN 3 heavy duty, PR4 **0168 500.12**
 - Prepunched, PR5 **0101 598.26**
 - DIN 1, PR1 Z2 **0163 050.04**
- End stops
 - DIN 1 and 3 **0103 002.26**
 - DIN 3 only, screwless **0199 408.02**
- End sections
 - Grey **0118 368.16**
 - Blue **0128 368.10**
 - White **0103 312.20**
 - Yellow **0103 062.21**
 - Green **0103 125.15**
 - Orange **0103 126.16**
 - Black **0107 005.25**

Description/Ratings	P/N	Standard Grey Body	P/N
M 6/8			
1-4 See accessories common to the 3 basic blocks, right column			
5. Marker cards			
Blank	RC810	0234 000.02	
Printed		(see pages 1929-1937)	
6. Top marker strip			
Blank	RCT810	0236 500.06	
Printed	RTM7	0103 116.14	
RCT810 can be custom marked			
7. Jumper bar not preassembled			
Jumper bar	BJS8	0174 789.05	
Sub-assembly	EV6	0168 604.16	
8. Assembled jumper bars			
	With screws	Screwless	
2 poles	0168 520.05	0299 712.05	
3 poles	0168 521.22	0299 713.06	
4 poles	0168 522.23	0299 714.07	
5 poles	0168 523.24	0299 715.00	
10 poles	0168 974.00	0299 720.11	

- Snap-on end section
 - SCFM6 (grey) **0114 825.05**
 - Circuit separator SCM6 (grey) **0113 003.10**

Other Accessories

Markers

- Marker cards (100 markers)
 - Blank
 - Printed

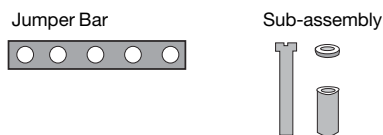
See Section 13, Markers, for customized markers.
- Top marker continuous strips
 - Blank
 - Printed

Blocks M 6/8.RTS and M 10/10.RTS have a top marker included with the block. See Section 13, Markers, for customized top marker continuous strips.

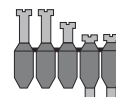
Description/Ratings	P/N	Standard Grey Body	P/N
M 10/10			
1-4 See accessories common to the 3 basic blocks, right column			
5. Marker cards			
Blank	RC810	0234 000.02	
Printed		(see pages 1929-1937)	
6. Top marker strip			
Blank	RTM7	0168 410.07	
Printed	RTM7	0103 922.14	
7. Jumper bar not preassembled			
Jumper bar	BJS10	0177 654.00	
Sub-assembly	EV6	0168 604.16	
8. Assembled jumper bars			
	With screws	Screwless	
2 poles	0173 611.21	—	
3 poles	0173 612.22	—	
4 poles	0173 613.23	—	
5 poles	0173 614.24	—	
10 poles	0173 615.25	—	

Jumper bars – See pages 1916-1919 for other jumper systems.

- Jumper bars not preassembled, for non-consecutive jumping



- Assembled jumper bars, touchproof and non-touchproof, for consecutive jumping



- Screwless Jumper Bar

New and innovative jumper bar connects consecutive and non-consecutive blocks without using screws. Use with screw clamp and ADO insulation displacement terminal blocks.

