Terminal Blocks for Matrix Patching and Common Potential Terminal Blocks 727 Series

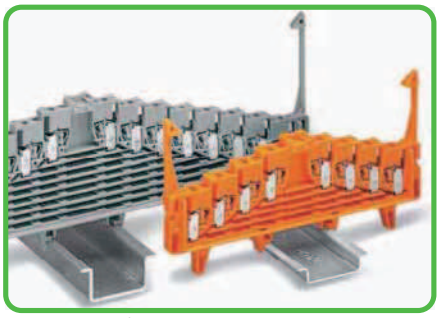
Assembly



Snap individual 4- or 8-level terminal blocks onto the carrier rail.



Terminal blocks slide together.

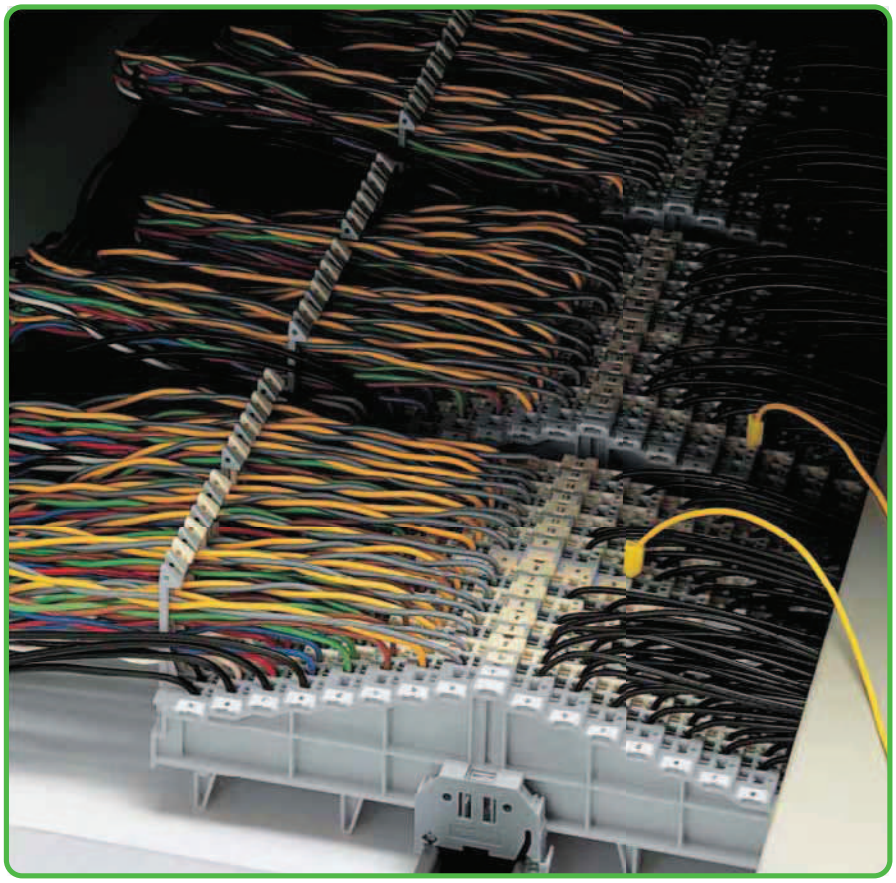


Terminal blocks for DIN 35 x 7.5 mm or DIN 35 x 15 mm rails are available.

Assembly / Removal



Grip end plate at both sides and:
– push down (assembly)
– pull up (removal)

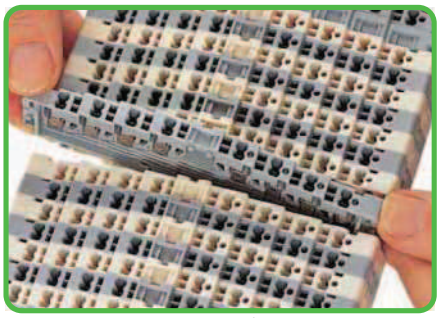


Removal



Open the assembly by laterally sliding a block via (2.5 x 0.4) mm operating tool.

Removal



Slide terminal block and remove from the rail with a levering action.

Marking



Marking clamping units by direct printing.



CAGE CLAMP® clamps the following copper conductors:*

solid



stranded

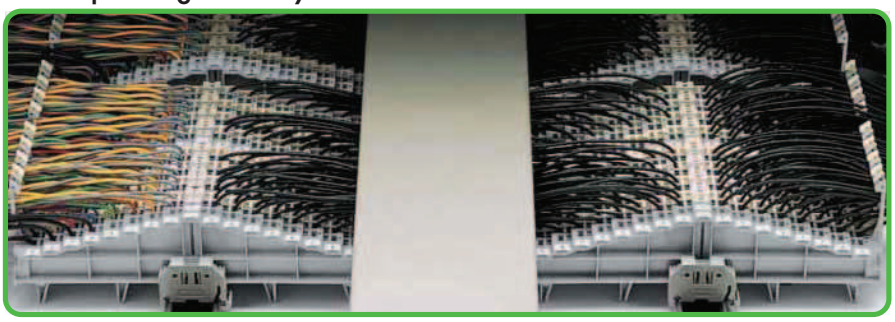


fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

– Description and Handling –

Matrix patching assembly



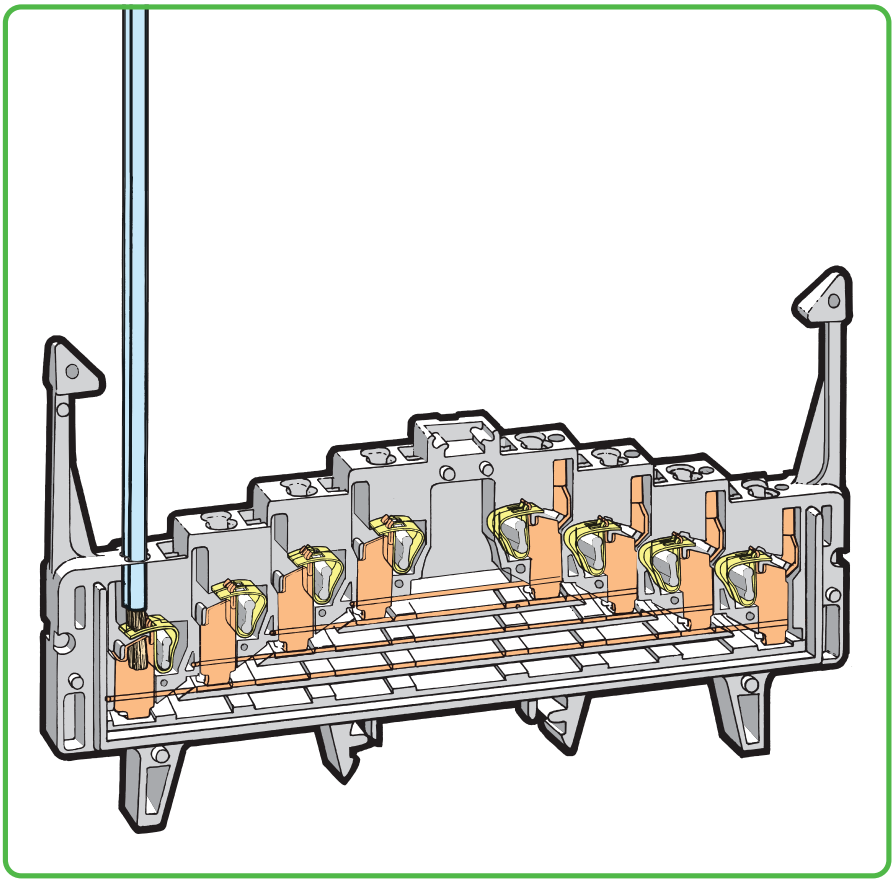
Example
left: Main cables fed through locking clips on the field side
right: Control cables fed between locking clips
center: Wiring of the patching sides

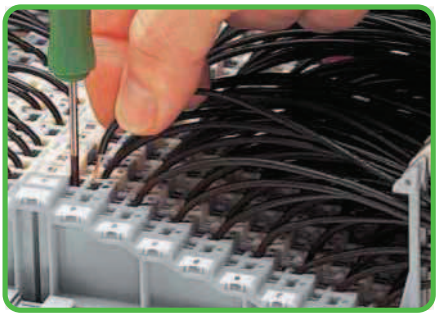
Wiring space



Using terminal blocks with locking clips, the wiring space between the terminal strips can be covered with a wiring duct cover.

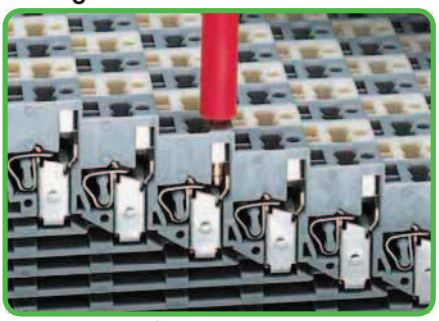
CAGE CLAMP® connection





Terminating/removing conductors with (2.5 x 0.4) mm operating tool.

Testing

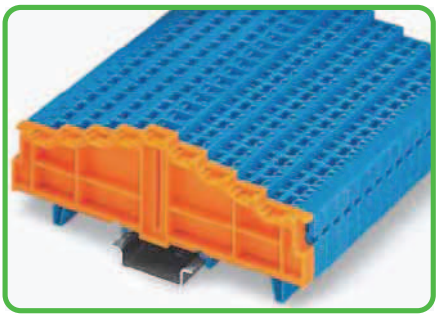


Special test contact for test plug 2.3 mm Ø.

Ex i versions



Marking coordinates via WMB Multi marking system.



Blue terminal blocks for matrix patching are suitable for Ex i applications.



fine-stranded, tip-bonded



fine-stranded, with ferrule ❶ (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)

❶ Max. cross section for uninsulated ferrules 1 mm²/AWG 18, for insulated ferrules 0.75 mm²/AWG 20.

4-Level Terminal Blocks for Matrix Patching 1.5 mm²
727 Series

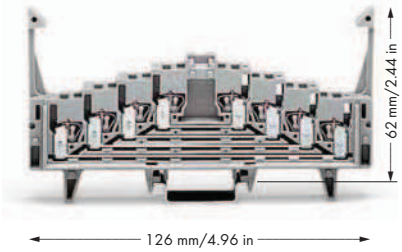
CAGE CLAMP®

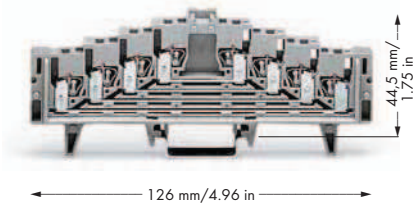
0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 12 A	300 V, 10 A

Terminal block width 7.62 mm / 0.3 in
8 - 10 mm / 0.35 in ❷

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 12 A	300 V, 10 A

Terminal block width 7.62 mm / 0.3 in
8 - 10 mm / 0.35 in ❷





❶ 250 V = rated voltage
4 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ Strip length, see packaging or instructions.

❸ Suitable for Ex i applications
60 V = peak value (table 4, EN 50020)
if approved by the works expert

❹ See application notes for:
Wire harness support, page 424

	Item No.	Pack. Unit
4-level terminal block for matrix patching with locking clips,		
4 x pairs of contacts on each level,		
for DIN 35 x 7.5 rail acc. to EN 60715		
gray	**727-219**	50
white	**727-221**	50
blue	**727-223** ❸	50
4-level terminal block for matrix patching with locking clips,		
4 x pairs of contacts on each level,		
for DIN 35 x 15 rail acc. to EN 60715		
gray	**727-229**	50
white	**727-231**	50
blue	**727-233** ❸	50
Item no. suffixes for terminal blocks with marking:		
0-1-2-3–3-2-1-0	**.../021-000**	
a-b-c-d–d-c-b-a	**.../022-000**	
3-2-1-0–0-1-2-3	**.../023-000**	
d-c-b-a–a-b-c-d	**.../024-000**	

	Item No.	Pack. Unit
4-level terminal block for matrix patching without locking clips,		
4 x pairs of contacts on each level,		
for DIN 35 x 7.5 rail acc. to EN 60715		
gray	**727-220**	50
white	**727-222**	50
blue	**727-224** ❸	50
4-level terminal block for matrix patching without locking clips,		
4 x pairs of contacts on each level,		
for DIN 35 x 15 rail acc. to EN 60715		
gray	**727-230**	50
white	**727-232**	50
blue	**727-234** ❸	50
Item no. suffixes for terminal blocks with marking:		
0-1-2-3–3-2-1-0	**.../021-000**	
a-b-c-d–d-c-b-a	**.../022-000**	
3-2-1-0–0-1-2-3	**.../023-000**	
d-c-b-a–a-b-c-d	**.../024-000**	

727 Series Accessories

Appropriate marking system:
WMB (see Section 13)

4-level end plate, 7.62 mm thick,
without marking
orange **727-217** 25

4-level end plate, 7.62 mm thick,
numeric marking,
marking: 0-1-2-3–3-2-1-0
orange **727-205** 25

4-level end plate, 7.62 mm thick,
alphanumeric marking,
marking: a-b-c-d–d-c-b-a
orange **727-206** 25

4-level end plate, 7.62 mm thick,
numeric marking,
marking: 3-2-1-0–0-1-2-3
orange **727-207** 25

4-level end plate, 7.62 mm thick,
alphanumeric marking,
marking: d-c-b-a–a-b-c-d
orange **727-208** 25

Insulation stop,
8 pieces/strip,
0.08 - 0.2 mm² "s" (0.14 mm² "f-st")
white **727-197** 200 (8x25)

Insulation stop,
8 pieces/strip,
0.25 mm² "s" 0.14 - 0.25 mm² "s+f-st"
light gray **727-198** 200 (8x25)

Insulation stop,
8 pieces/strip,
0.25 - 0.5 mm² "s+f-st"
dark gray **727-199** 200 (8x25)

Wire commoning chain, insulated,
31 connections, I_N 6 A,
max. 50 V, 0.5 mm²
gray **709-107** 1

Test plug,
with 500 mm cable,
2.3 mm Ø
yellow **210-137** 50

Step-down test plug,
from 4 mm socket to 2 mm plug
red **210-297** 100 (4x25)

Wire harness support
❹
gray **249-109** 50

Accessories

Double marker carrier, 4 mm wide,
for I/O markings in the terminal block
center
gray **209-128** 200 (2x100)

Screwless end stop,
for DIN 35 rail,
6 mm wide
gray **249-116** 100 (4x25)

Screwless end stop,
for DIN 35 rail,
10 mm wide
gray **249-117** 50 (2x25)

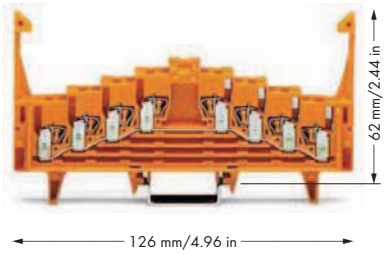
Operating tool with partially insulated shaft,
type 1, (2.5 x 0.4) mm blade
210-719 1

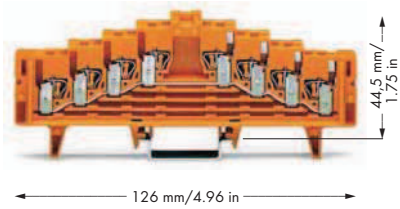
For list of approvals and user guide, see pages 634 to 637.

4-Level Common Potential Terminal Blocks 1.5 mm²
727 Series

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 18 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 18 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	





❶ 250 V = rated voltage
4 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ Strip length, see packaging or instructions.

❸ See application notes for:
Wire harness support, page 424

	Item No.	Pack. Unit
4-level common potential terminal block with locking clips, all clamping units are connected to the same current bar, for DIN 35 x 7.5 rail acc. to EN 60715		
orange	**727-225**	50
light gray	**727-227**	50
4-level common potential terminal block with locking clips, all clamping units are connected to the same current bar, for DIN 35 x 15 rail acc. to EN 60715		
orange	**727-235**	50
light gray	**727-237**	50
Item no. suffixes for terminal blocks with marking:		
0-1-2-3–3-2-1-0	**.../021-000**	
a-b-c-d–d-c-b-a	**.../022-000**	
3-2-1-0–0-1-2-3	**.../023-000**	
d-c-b-a–a-b-c-d	**.../024-000**	

	Item No.	Pack. Unit
4-level common potential terminal block without locking clips, all clamping units are connected to the same current bar, for DIN 35 x 7.5 rail acc. to EN 60715		
orange	**727-226**	50
light gray	**727-228**	50
4-level common potential terminal block without locking clips, all clamping units are connected to the same current bar, for DIN 35 x 15 rail acc. to EN 60715		
orange	**727-236**	50
light gray	**727-238**	50
Item no. suffixes for terminal blocks with marking:		
0-1-2-3–3-2-1-0	**.../021-000**	
a-b-c-d–d-c-b-a	**.../022-000**	
3-2-1-0–0-1-2-3	**.../023-000**	
d-c-b-a–a-b-c-d	**.../024-000**	

Accessories

Double marker carrier, 4 mm wide,
for I/O markings in the terminal block center
gray **209-128** 200 (2x100)

Screwless end stop,
for DIN 35 rail, 6 mm wide
gray **249-116** 100 (4x25)

Screwless end stop,
for DIN 35 rail, 10 mm wide
gray **249-117** 50 (2x25)

Operating tool with partially insulated shaft,
type 1, (2.5 x 0.4) mm blade
210-719 1

727 Series Accessories

Appropriate marking system:
WMB (see Section 13)

4-level end plate, 7.62 mm thick,
without marking
orange **727-217** 25

4-level end plate, 7.62 mm thick,
numeric marking,
marking: 0-1-2-3–3-2-1-0
orange **727-205** 25

4-level end plate, 7.62 mm thick,
alphanumeric marking,
marking: a-b-c-d–d-c-b-a
orange **727-206** 25

4-level end plate, 7.62 mm thick,
numeric marking,
marking: 3-2-1-0–0-1-2-3
orange **727-207** 25

4-level end plate, 7.62 mm thick,
alphanumeric marking,
marking: d-c-b-a–a-b-c-d
orange **727-208** 25

Insulation stop,
8 pieces/strip,
0.08 - 0.2 mm² "s" (0.14 mm² "f-st")
white **727-197** 200 (8x25)

Insulation stop,
8 pieces/strip,
0.25 mm² "s" 0.14 - 0.25 mm² "s+f-st"
light gray **727-198** 200 (8x25)

Insulation stop,
8 pieces/strip,
0.25 - 0.5 mm² "s+f-st"
dark gray **727-199** 200 (8x25)

Wire commoning chain, insulated,
31 connections, I_N 6 A,
max. 50 V, 0.5 mm²
gray **709-107** 1

Test plug,
with 500 mm cable,
2.3 mm Ø
yellow **210-137** 50

Step-down test plug,
from 4 mm socket to 2 mm plug
red **210-297** 100 (4x25)

Wire harness support ❸
gray **249-109** 50

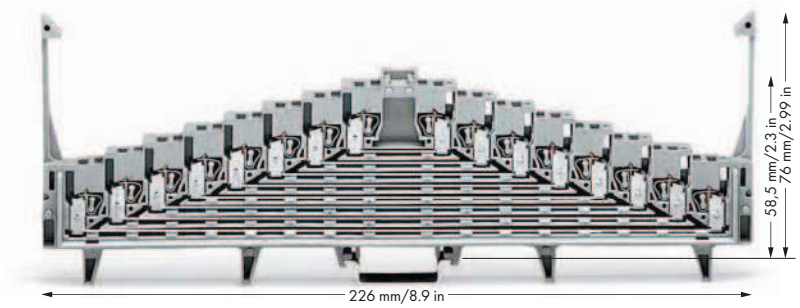
For list of approvals and user guide, see pages 634 to 637.

8-Level Terminal Blocks for Matrix Patching 1.5 mm²
727 Series

CAGE CLAMP®

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 10 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 10 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	



❶ 250 V = rated voltage
4 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ Strip length, see packaging or instructions.

❸ Suitable for Ex i applications
60 V = peak value (table 4, EN 50020)
if approved by the works expert

❹ See application notes for:
Wire harness support, page 424

Note: Only combine terminal blocks and end plates that are colored gray/white/light gray or orange/blue!

	Item No.	Pack. Unit
8-level terminal block for matrix patching with locking clips,		
8 x pairs of contacts on each level,		
for DIN 35 x 7.5 rail acc. to EN 60715		
gray	**727-119**	25
white	**727-121**	25
blue	**727-123** ❸	25
8-level terminal block for matrix patching with locking clips,		
8 x pairs of contacts on each level,		
for DIN 35 x 15 rail acc. to EN 60715		
gray	**727-129**	25
white	**727-131**	25
blue	**727-133** ❸	25
Item no. suffixes for terminal blocks with marking:		
0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0	**.../001-000**	
a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a	**.../002-000**	
7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7	**.../003-000**	
h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h	**.../004-000**	

	Item No.	Pack. Unit
8-level terminal block for matrix patching without locking clips,		
8 x pairs of contacts on each level,		
for DIN 35 x 7.5 rail acc. to EN 60715		
gray	**727-120**	25
white	**727-122**	25
blue	**727-124** ❸	25
8-level terminal block for matrix patching without locking clips,		
8 x pairs of contacts on each level,		
for DIN 35 x 15 rail acc. to EN 60715		
gray	**727-130**	25
white	**727-132**	25
blue	**727-134** ❸	25
Item no. suffixes for terminal blocks with marking:		
0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0	**.../001-000**	
a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a	**.../002-000**	
7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7	**.../003-000**	
h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h	**.../004-000**	

727 Series Accessories

Appropriate marking system:
WMB (see Section 13)

8-level end plate, 7.62 mm thick,			
without marking			
orange	**727-117**	25	
gray	**727-113**	25	
blue	**727-114**	25	
white	**727-115**	25	
light gray	**727-116**	25	
8-level end plate, 7.62 mm thick,			
numeric marking,			
marking: 0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0			
orange	**727-105**	25	
gray	**727-155**	25	
blue	**727-159**	25	
white	**727-163**	25	
light gray	**727-167**	25	
8-level end plate, 7.62 mm thick,			
alphanumeric marking,			
marking: a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a			
orange	**727-106**	25	
gray	**727-156**	25	
blue	**727-160**	25	
white	**727-164**	25	
light gray	**727-168**	25	

8-level end plate, 7.62 mm thick,			
numeric marking,			
marking: 7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7			
orange	**727-107**	25	
gray	**727-157**	25	
blue	**727-161**	25	
white	**727-165**	25	
light gray	**727-169**	25	
8-level end plate, 7.62 mm thick,			
alphanumeric marking,			
marking: h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h			
orange	**727-108**	25	
gray	**727-158**	25	
blue	**727-162**	25	
white	**727-166**	25	
light gray	**727-170**	25	
Insulation stop,			
8 pieces/strip,			
0.08 - 0.2 mm² "s" (0.14 mm² "f-st")			
white	**727-197**	200 (8x25)	
Insulation stop,			
8 pieces/strip,			
0.25 mm² "s" 0.14 - 0.25 mm² "s+f-st"			
light gray	**727-198**	200 (8x25)	

Accessories

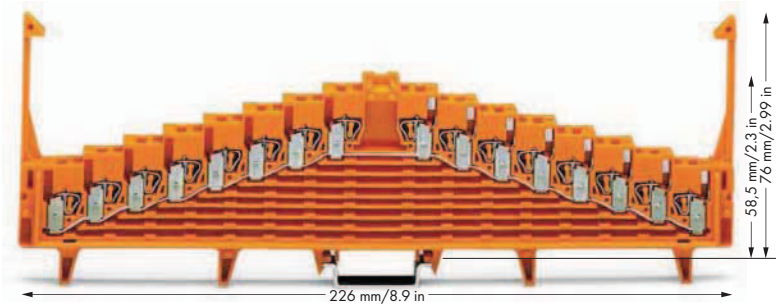
Insulation stop,			
8 pieces/strip,			
0.25 - 0.5 mm² "s+f-st"			
dark gray	**727-199**	200 (8x25)	
Wire commoning chain, insulated,			
31 connections, I_N 6 A,			
max. 50 V, 0.5 mm²			
gray	**709-107**	1	
Test plug,			
with 500 mm cable,			
2.3 mm Ø			
yellow	**210-137**	50	
Step-down test plug,			
from 4 mm socket to 2 mm plug			
red	**210-297**	100 (4x25)	
Wire harness support			
❹ gray	**249-109**	50	
Double marker carrier, 4 mm wide,			
for I/O markings in the terminal block			
center			
gray	**209-128**	200 (2x100)	
WMB Multi marking system,			
for terminal widths 5 - 17.5 mm,			
for PLC input marking			
white	**793-933**	5	
Screwless end stop,			
for DIN 35 rail,			
6 mm wide			
gray	**249-116**	100 (4x25)	
Screwless end stop,			
for DIN 35 rail,			
10 mm wide			
gray	**249-117**	50 (2x25)	
Operating tool with partially insulated shaft,			
type 1, (2.5 x 0.4) mm blade			
	210-719	1	

For list of approvals and user guide, see pages 634 to 637.

8-Level Common Potential Terminal Blocks 1.5 mm² 727 Series

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 18 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	

0.08 - 1.5 mm²	AWG 28 - 16
250 V/4 kV/3 ❶	300 V, 10 A
I_N 18 A	300 V, 10 A
Terminal block width 7.62 mm / 0.3 in	
8 - 10 mm / 0.35 in ❷	



❶ 250 V = rated voltage
4 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❷ Strip length, see packaging or instructions.

❸ See application notes for:
Wire harness support, page 424

Note: Only combine terminal blocks and end plates that are colored gray/white/light gray or orange/blue!

	Item No.	Pack. Unit
8-level common potential terminal block with locking clips, all clamping units are connected to the same current bar, for DIN 35 x 7.5 rail acc. to EN 60715		
orange	**727-125**	25
light gray	**727-127**	25
8-level common potential terminal block with locking clips, all clamping units are connected to the same current bar, for DIN 35 x 15 rail acc. to EN 60715		
orange	**727-135**	25
light gray	**727-137**	25
Item no. suffixes for terminal blocks with marking:		
0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0	**.../001-000**	
a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a	**.../002-000**	
7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7	**.../003-000**	
h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h	**.../004-000**	

	Item No.	Pack. Unit
8-level common potential terminal block without locking clips, all clamping units are connected to the same current bar, for DIN 35 x 7.5 rail acc. to EN 60715		
orange	**727-126**	25
light gray	**727-128**	25
8-level common potential terminal block without locking clips, all clamping units are connected to the same current bar, for DIN 35 x 15 rail acc. to EN 60715		
orange	**727-136**	25
light gray	**727-138**	25
Item no. suffixes for terminal blocks with marking:		
0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0	**.../001-000**	
a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a	**.../002-000**	
7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7	**.../003-000**	
h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h	**.../004-000**	

727 Series Accessories

Appropriate marking system:
WMB (see Section 13)

8-level end plate, 7.62 mm thick, without marking			
orange	**727-117**	25	
gray	**727-113**	25	
blue	**727-114**	25	
white	**727-115**	25	
light gray	**727-116**	25	
8-level end plate, 7.62 mm thick, numeric marking, marking: 0-1-2-3-4-5-6-7–7-6-5-4-3-2-1-0			
orange	**727-105**	25	
gray	**727-155**	25	
blue	**727-159**	25	
white	**727-163**	25	
light gray	**727-167**	25	
8-level end plate, 7.62 mm thick, alphanumeric marking, marking: a-b-c-d-e-f-g-h–h-g-f-e-d-c-b-a			
orange	**727-106**	25	
gray	**727-156**	25	
blue	**727-160**	25	
white	**727-164**	25	
light gray	**727-168**	25	

8-level end plate, 7.62 mm thick, numeric marking, marking: 7-6-5-4-3-2-1-0–0-1-2-3-4-5-6-7			
orange	**727-107**	25	
gray	**727-157**	25	
blue	**727-161**	25	
white	**727-165**	25	
light gray	**727-169**	25	
8-level end plate, 7.62 mm thick, alphanumeric marking, marking: h-g-f-e-d-c-b-a–a-b-c-d-e-f-g-h			
orange	**727-108**	25	
gray	**727-158**	25	
blue	**727-162**	25	
white	**727-166**	25	
light gray	**727-170**	25	
Insulation stop, 8 pieces/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st")			
white	**727-197**	200 (8x25)	
Insulation stop, 8 pieces/strip, 0.25 mm² "s" 0.14 - 0.25 mm² "s+f-st"			
light gray	**727-198**	200 (8x25)	

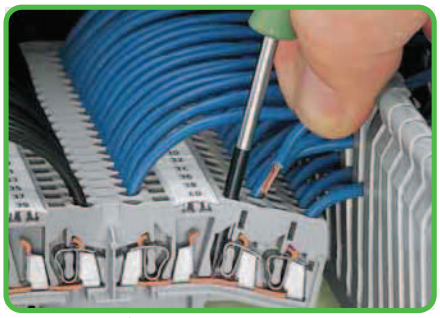
Accessories

Insulation stop, 8 pieces/strip, 0.25 - 0.5 mm² "s+f-st"			
dark gray	**727-199**	200 (8x25)	
Wire commoning chain, insulated, 31 connections, I_N 6 A, max. 50 V, 0.5 mm²			
gray	**709-107**	1	
Test plug, with 500 mm cable, 2.3 mm Ø			
yellow	**210-137**	50	
Step-down test plug, from 4 mm socket to 2 mm plug			
red	**210-297**	100 (4x25)	
Wire harness support ❸			
gray	**249-109**	50	
Double marker carrier, 4 mm wide, for I/O markings in the terminal block center			
gray	**209-128**	200 (2x100)	
Screwless end stop, for DIN 35 rail, 6 mm wide			
gray	**249-116**	100 (4x25)	
Screwless end stop, for DIN 35 rail, 10 mm wide			
gray	**249-117**	50 (2x25)	
Operating tool with partially insulated shaft, type 1, (2.5 x 0.4) mm blade			
	210-719	1	

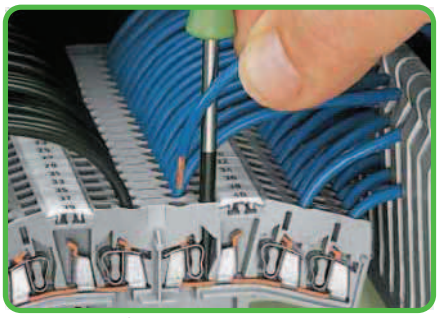
For list of approvals and user guide, see pages 634 to 637.

Rail-Mounted Terminal Blocks for Matrix Patching, 280 Series – Description and Handling –

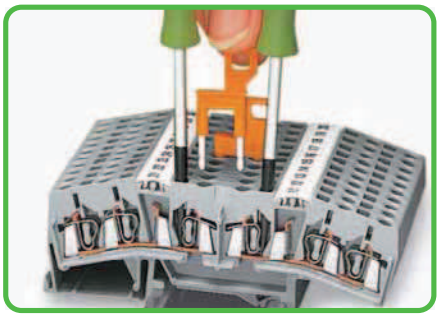
CAGE CLAMP®



Terminal blocks for matrix patching.
Conductor termination/removal on the terminal block's side-entry.

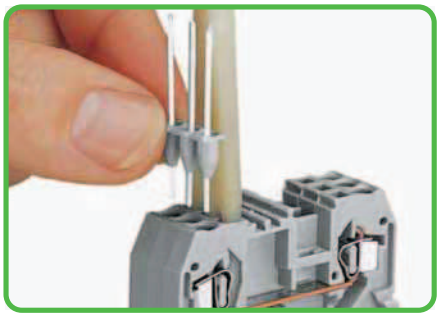


Terminal blocks for matrix patching.
Conductor termination/removal in center of the terminal block.

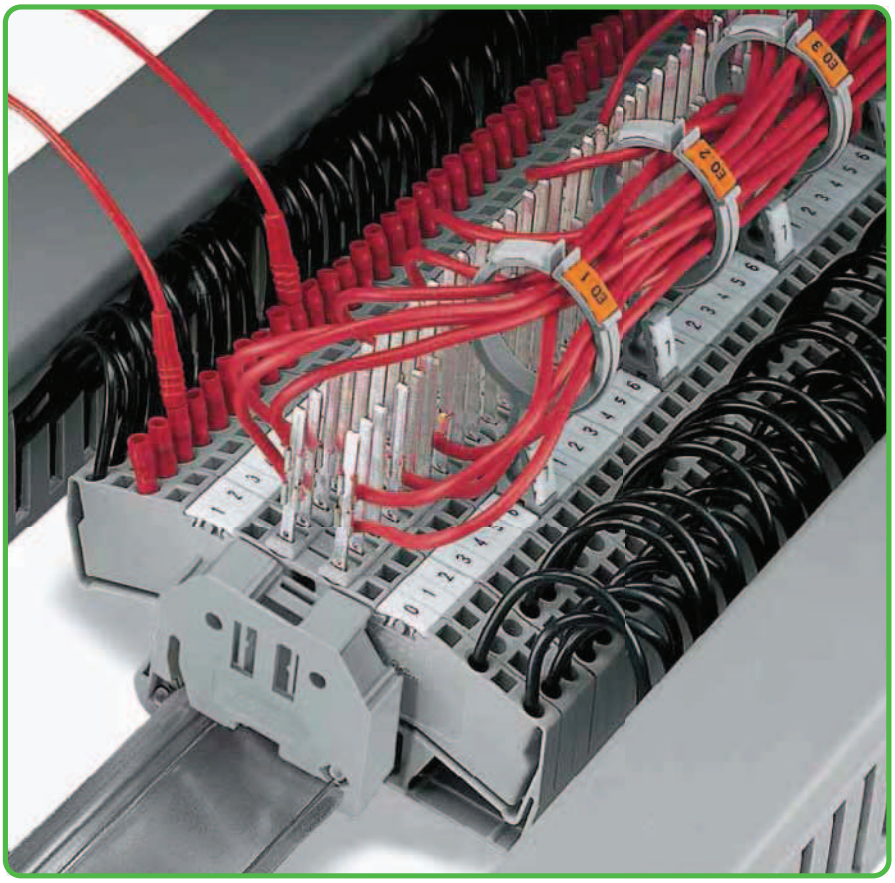


Used as disconnect terminal block.
Inserting disconnect jumpers.

Pin modules



Inserting a pin module shown with 280 Series terminal blocks.



Comb-style jumper bars



Used as potential multiplication.
Inserting a 10-way, comb-style jumper bar (only possible in the center).

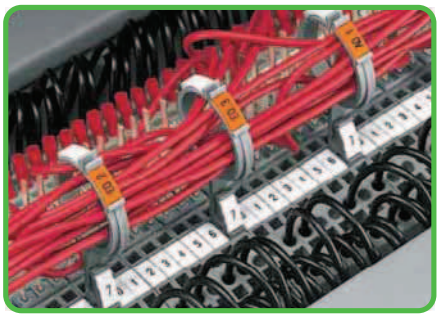
Wire harness support



Clipping wire harness support onto the marker slot.



Inserting a cable into the wire harness support.



2 x group marking on top
1 x terminal block marking at the bottom

CAGE CLAMP® clamps the following copper conductors:*

solid	stranded	fine-stranded, also with tinned single strands	fine-stranded, tip-bonded	fine-stranded, with ferrule ❶ (gastight crimped)	fine-stranded, with pin terminal (gastight crimped)

* For aluminum conductors, see notes in Section 14.

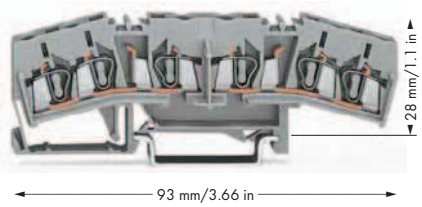
❶ When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

Rail-Mounted Terminal Blocks for Matrix Patching 2.5 mm² 280 Series

0.08 - 2.5 mm² | **AWG 28 - 12 ***
800 V/8 kV/3 ❶ | **600 V, 10 A**
I_N 18 A

Terminal block width 5 mm / 0.197 in
8 - 9 mm / 0.33 in ❷

In measurement and control technology, matrix patchboards are essential to process automation systems. Particularly beneficial to these applications is the use of the WAGO wire harness support, which simplifies wiring. WAGO 280 Series 3-conductor, front-entry, double-potential terminal blocks (with or without the addition of Wire-Wrap® or TERMI-POINT® pins) are also ideal for this type of application. They can be used for linking incoming field wires from items such as measuring devices or servos etc., with central process controllers, e.g., control consoles, panelboards or PLCs via matrix connections.
The WAGO wire harness support elements are pushed into the terminal blocks (approx. every 8th unit) to form an additional "cable-duct" above the wiring level of the terminal blocks. Two marker slots are provided in each, the top ones may be used for group marking, and the lower slot for marking the terminal block.



* AWG 12: THHN, THWN

❶ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
500 V/6 kV/3 between both current bars
(if used as disconnect terminal block or potential multiplier)

❷ Strip length, see packaging or instructions.

❸ See application notes for:
Isolierungsstopp Seite 199
Brückungskamm Seite 200
Betätigungswerkzeug Seite 200

	Item No.	Pack. Unit
3-conductor double-potential terminal block		
or		
Rail-mounted terminal block for matrix patching,		
Notice: This 3-conductor double-potential terminal block cannot be commoned via adjacent jumpers.		
gray	**280-675**	50

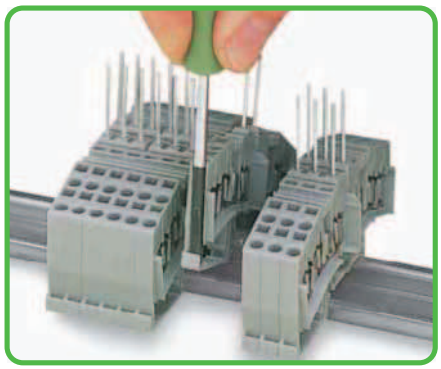
Accessories

Appropriate marking system:
WMB (see Section 13)

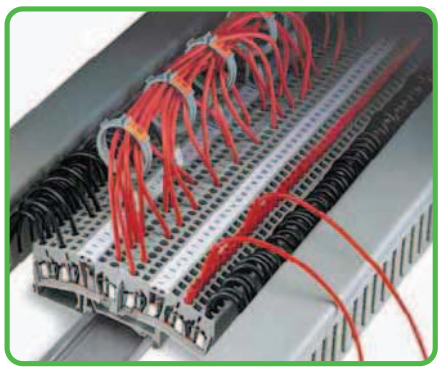
End and intermediate plate, 5 mm thick		
orange	**280-333**	25
gray	**280-325**	25
Insulation stop, ❸ 5 pcs/strip, 0.08 - 0.2 mm² "s" (0.14 mm² "f-st")		
white	**280-470**	200 (8x25)
Insulation stop, ❸ 5 pcs/strip, 0.25 - 0.5 mm²		
light gray	**280-471**	200 (8x25)
Insulation stop, ❸ 5 pcs/strip, 0.75 - 1 mm²		
dark gray	**280-472**	200 (8x25)
Alternate comb-style jumper bar, insulated, I_N = I_N terminal block		
2-way	**280-492**	200 (8x25)
Comb-style jumper bar, insulated, ❸ I_N = I_N terminal block		
2-way	**280-482**	200 (8x25)
3-way	**280-483**	200 (8x25)
Comb-style jumper bar, insulated, I_N = I_N terminal block		
10-way	**280-490**	50 (2x25)
Disconnect jumper with pull-tab, orange, I_N = I_N of terminal block		
2-way	**280-494**	200 (8x25)
Operating tool, of insulating material		
2-way	**280-432**	1
3-way	**280-433**	1
Operating tool, of insulating material		
10-way	**280-440**	1

Accessories

Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks		
yellow	**280-415**	100 (4x25)
Pin module, 2-pole, for assembly on all front-entry 280 Series rail-mounted terminal blocks, for Wire-Wrap®, 1 x 1 mm		
	280-477	100
Pin module, 2-pole, for TERMI-POINT®, 0.8 x 1.6 mm		
	280-475	100
Pin module, 2-pole, for TERMI-POINT®, 0.8 x 2.4 mm		
	280-473	100
Pin module, 3-pole, for Wire-Wrap®, 1 x 1 mm		
	280-478	100
Pin module, 3-pole, for TERMI-POINT®, 0.8 x 1.6 mm		
	280-476	100
Pin module, 3-pole, for TERMI-POINT®, 0.8 x 2.4 mm		
	280-474	100
Wire harness support		
gray	**249-109**	50



Removal: Separate terminal strip, slide terminal block to disconnect and then remove from the carrier rail.



For 5 mm/0.197 in wide double-potential front-entry terminal blocks, two 3-conductor through terminal blocks are offered in one insulating housing on one level. On each side of the terminal block are marker slots for WAGO markers. Via of the available accessories, these terminal blocks can also be used as 4-conductor disconnect terminal blocks or multipliers of potential. During mounting/dismounting using DIN carrier rail, please note that due to the protruding webs, the terminal blocks can only be inserted or removed from the assembly after having displaced the adjacent terminal blocks (also see picture above).

For list of approvals and user guide, see pages 634 to 637.