

Data sheet | Item number: 727-120

8-level terminal block for matrix patching; for 35 x 7.5 mounting rail; 1,50 mm²; gray

www.wago.com/727-120



Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	10 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0,08 ... 1,5 mm ² / 28 ... 16 AWG
Fine-stranded conductor	0,08 ... 1,5 mm ² / 28 ... 16 AWG
Strip length	8 ... 10 mm / 0.31 ... 0.39 inch
Total number of connection points	32
Total number of potentials	8
Number of levels	8
Type of wiring	Front-entry wiring

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Geometrical Data

Width	7,62 mm / 0.3 inch
Height from upper-edge of DIN-35 rail	58,5 mm / 2.303 inch
Depth	226 mm / 8.898 inch

Mechanical data

Design	horizontal
Type of mounting	DIN-35 rail
Marking	plain
Marking level	Center marking

Material Data



Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	1.169 MJ
Weight	73.1 g

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4045454187019
Customs Tariff No.	85369010000

Approvals / Certificates


Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7485
	CSA DEKRA Certification B.V.	C22.2 No. 158	70048845
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2192101.01


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Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	LR Lloyds Register	EN 60947	91/20112 (E9)





UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Counterpart

Compatible products









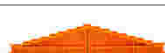
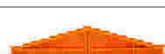


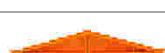





End plate

	Item no.: 727-105 8-level end plate; marking: 0-1-2-3-4-5-6-7--7-6-5-4-3-2-1; 7.62 mm thick; orange	www.wago.com/727-105
	Item no.: 727-106 8-level end plate; marking: a-b-c-d-e-f-g-h--h-g-f-e-d-c-b-a; 7.62 mm thick; orange	www.wago.com/727-106
	Item no.: 727-107 8-level end plate; marking: 7-6-5-4-3-2-1-0--0-1-2-3-4-5-6-7; 7.62 mm thick; orange	www.wago.com/727-107
	Item no.: 727-108 8-level end plate; marking: h-g-f-e-d-c-b-a--a-b-c-d-e-f-g-h; 7.62 mm thick; orange	www.wago.com/727-108

















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	Item no.: 727-113 8-level end plate; plain; 7.62 mm thick; gray	www.wago.com/727-113
	Item no.: 727-114 8-level end plate; plain; 7.62 mm thick; blue	www.wago.com/727-114
	Item no.: 727-115 8-level end plate; plain; 7.62 mm thick; white	www.wago.com/727-115
	Item no.: 727-116 8-level end plate; plain; 7.62 mm thick; light gray	www.wago.com/727-116
	Item no.: 727-117 8-level end plate; plain; 7.62 mm thick; orange	www.wago.com/727-117
	Item no.: 727-155 8-level end plate; marking: 0-1-2-3-4-5-6-7--7-6-5-4-3-2-1; 7.62 mm thick; gray	www.wago.com/727-155
	Item no.: 727-156 8-level end plate; marking: a-b-c-d-e-f-g-h--h-g-f-e-d-c-b-a; 7.62 mm thick; gray	www.wago.com/727-156
	Item no.: 727-157 8-level end plate; marking: 7-6-5-4-3-2-1-0--0-1-2-3-4-5-6-7; 7.62 mm thick; gray	www.wago.com/727-157
	Item no.: 727-158 8-level end plate; marking: h-g-f-e-d-c-b-a--a-b-c-d-e-f-g-h; 7.62 mm thick; gray	www.wago.com/727-158
	Item no.: 727-159 8-level end plate; marking: 0-1-2-3-4-5-6-7--7-6-5-4-3-2-1; 7.62 mm thick; blue	www.wago.com/727-159
	Item no.: 727-160 8-level end plate; marking: a-b-c-d-e-f-g-h--h-g-f-e-d-c-b-a; 7.62 mm thick; blue	www.wago.com/727-160
	Item no.: 727-161 8-level end plate; marking: 7-6-5-4-3-2-1-0--0-1-2-3-4-5-6-7; 7.62 mm thick; blue	www.wago.com/727-161
	Item no.: 727-162 8-level end plate; marking: h-g-f-e-d-c-b-a--a-b-c-d-e-f-g-h; 7.62 mm thick; blue	www.wago.com/727-162
	Item no.: 727-163 8-level end plate; marking: 0-1-2-3-4-5-6-7--7-6-5-4-3-2-1; 7.62 mm thick; white	www.wago.com/727-163
	Item no.: 727-164 8-level end plate; marking: a-b-c-d-e-f-g-h--h-g-f-e-d-c-b-a; 7.62 mm thick; white	www.wago.com/727-164
	Item no.: 727-165 8-level end plate; marking: 7-6-5-4-3-2-1-0--0-1-2-3-4-5-6-7; 7.62 mm thick; white	www.wago.com/727-165
	Item no.: 727-166 8-level end plate; marking: h-g-f-e-d-c-b-a--a-b-c-d-e-f-g-h; 7.62 mm thick; white	www.wago.com/727-166
	Item no.: 727-167 8-level end plate; marking: 0-1-2-3-4-5-6-7--7-6-5-4-3-2-1; 7.62 mm thick; light gray	www.wago.com/727-167

Subject to changes. Please also observe the further product documentation!

	Item no.: 727-168 8-level end plate; marking: a-b-c-d-e-f-g-h--h-g-f-e-d-c-b-a; 7.62 mm thick; light gray	www.wago.com/727-168
	Item no.: 727-169 8-level end plate; marking: 7-6-5-4-3-2-1-0--0-1-2-3-4-5-6-7; 7.62 mm thick; light gray	www.wago.com/727-169
	Item no.: 727-170 8-level end plate; marking: h-g-f-e-d-c-b-a--a-b-c-d-e-f-g-h; 7.62 mm thick; light gray	www.wago.com/727-170
check		
	Item no.: 210-137 Test plug; 2.3 mm Ø; with 500 mm cable; yellow	www.wago.com/210-137
	Item no.: 210-297 Step-down test plug; from 4mm socket to 2mm plug; red	www.wago.com/210-297
tools		
	Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-647
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719
Jumper		
	Item no.: 709-107 Wire commoning chain; insulated; 32 connections; gray	www.wago.com/709-107
ferrule		
	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-102
	Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-104
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-121
	Item no.: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-122
	Item no.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-123
	Item no.: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-124

Subject to changes. Please also observe the further product documentation!

	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
Insulation stop		
	Item no.: 727-197 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 8 pieces/strip; white	www.wago.com/727-197
	Item no.: 727-198 Insulation stop; 0.25 mm ² "s"; 0.14 - 0.25 mm ² "f-st"; 8 pieces/strip; light gray	www.wago.com/727-198

Subject to changes. Please also observe the further product documentation!



Item no.: 727-199
Insulation stop; 0.25 - 0.5 mm² "s+f-st"; 8 pieces/strip; dark gray

www.wago.com/727-199

General accessories



Item no.: 249-109
Wire harness support; gray

www.wago.com/249-109

Carrier rail



Item no.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

www.wago.com/210-112



Item no.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-113



Item no.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

www.wago.com/210-114



Item no.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

www.wago.com/210-115



Item no.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-118



Item no.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

www.wago.com/210-196



Item no.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

www.wago.com/210-197



Item no.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

www.wago.com/210-198



Item no.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

www.wago.com/210-504



Item no.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715

www.wago.com/210-505



Item no.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715

www.wago.com/210-506



Item no.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

www.wago.com/210-508

Marking accessories



Item no.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white















www.wago.com/2009-115




Item no.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow /000-002

www.wago.com/2009-115

Subject to changes. Please also observe the further product documentation!

	Item no.: 2009-115/000-006 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115/000-006
	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-115/000-007
	Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115/000-012
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115/000-017
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-115/000-023
	Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115/000-024
	Item no.: 209-128 Adaptor; gray	www.wago.com/209-128
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/793-501/000-002
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/793-501/000-005
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/793-501/000-006
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/793-501/000-007
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/793-501/000-012
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/793-501/000-017

Subject to changes. Please also observe the further product documentation!

	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/793-501/000-023
	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/793-501/000-024
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501
	Item no.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/793-5501/000-002
	Item no.: 793-5501/000-005 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/793-5501/000-005
	Item no.: 793-5501/000-006 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/793-5501/000-006
	Item no.: 793-5501/000-007 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/793-5501/000-007
	Item no.: 793-5501/000-012 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/793-5501/000-012
	Item no.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/793-5501/000-017
	Item no.: 793-5501/000-023 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/793-5501/000-023
	Item no.: 793-5501/000-024 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/793-5501/000-024
	Item no.: 793-933 WMB marking card; as card; MARKED; E0.0, E0.1, ..., E9.6, E9.7 (1 each); not stretchable; Vertical marking; snap-on type; white	www.wago.com/793-933

Downloads

Documentation

Bid Text

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727-120 GAEB X81 - Datei	Feb 19, 2019	xml 3.7 kB	Download
Additional Information Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 727-120	URL	Download
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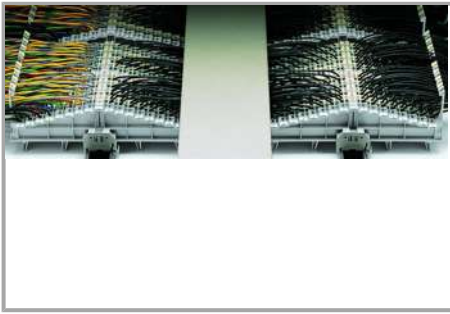
CAE data

EPLAN Data Portal 727-120	URL	Download
WSCAD Universe 727-120	URL	Download

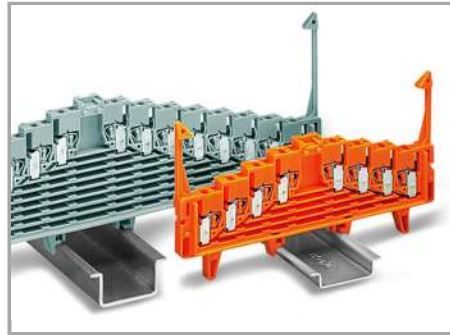
Installation Notes

Assembly

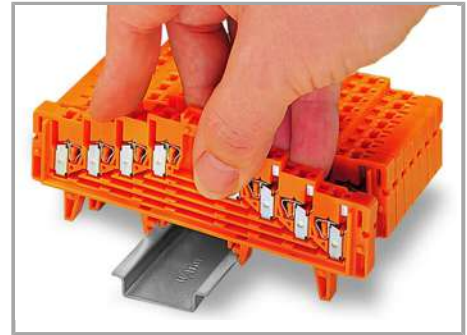
Subject to changes. Please also observe the further product documentation!



Example:



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

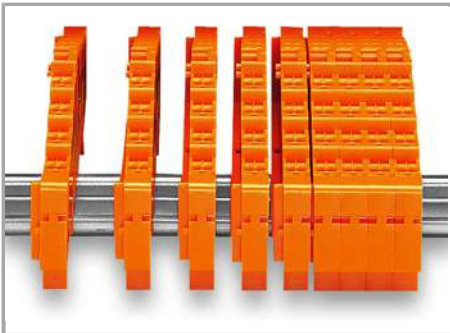


Snap individual 4- or 8-level terminal blocks onto the carrier rail.

Left: Main cables fed through locking clips on the field side

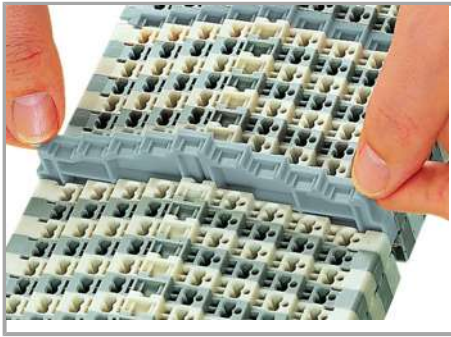
Right: Control cables fed between locking clips

Center: Wiring of both patching sides



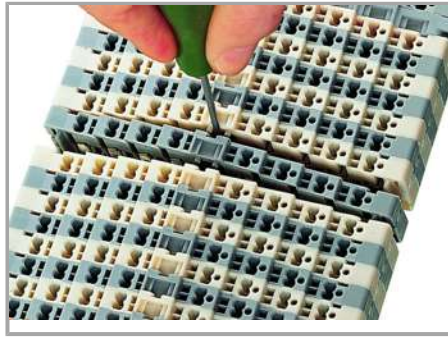
Slide terminal blocks together.

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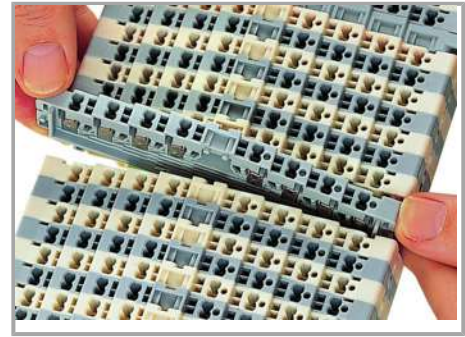


Grip end plate at both sides and:

- push down (assembly)
-
- pull up (removal)
-

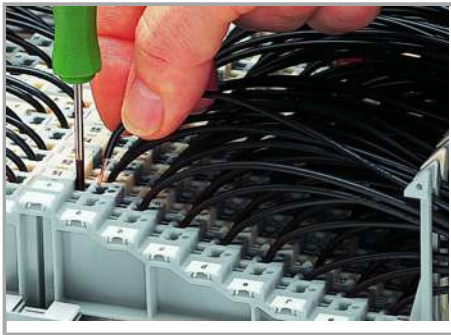


Open the assembly by laterally sliding a block via operating tool (2.5 x 0.4 mm blade).



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

Inserting a conductor



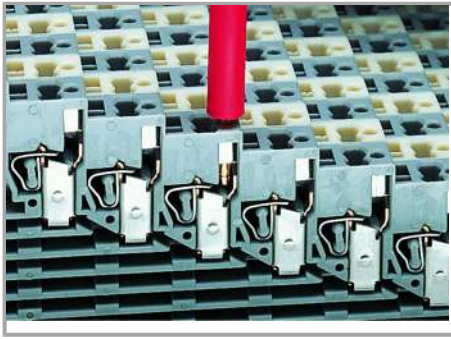
CAGE CLAMP® connection

Inserting a conductor via 210-719 Operating Tool (2.5 x 0.4 mm blade).

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

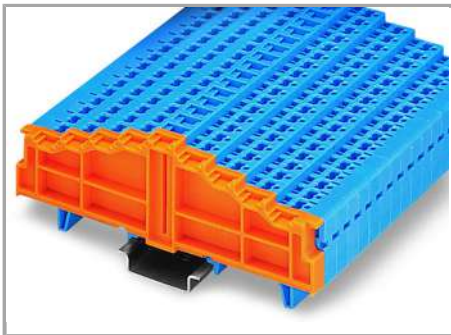
Testing

Subject to changes. Please also observe the further product documentation!



Special test contact for 2.3 mm Ø test plug.

Ex Application



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



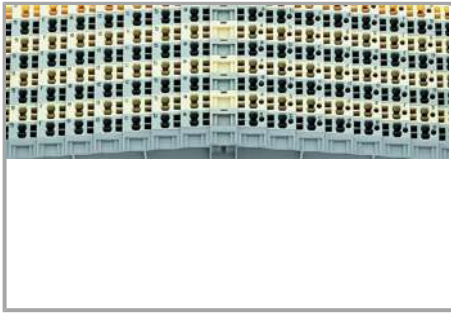
Using terminal blocks with locking clips, the wiring space between the terminal strips can be covered with a wiring duct cover.

Marking

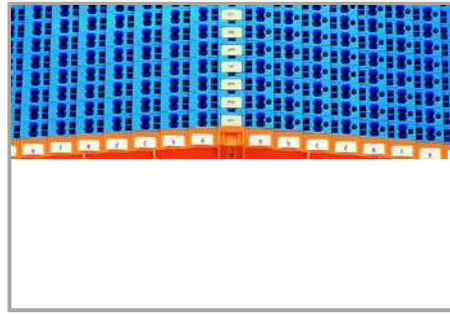
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Connection points identified via factory-direct printing



Marking coordinates via WMB Multi Marking System.

Subject to changes. Please also observe the further product documentation!