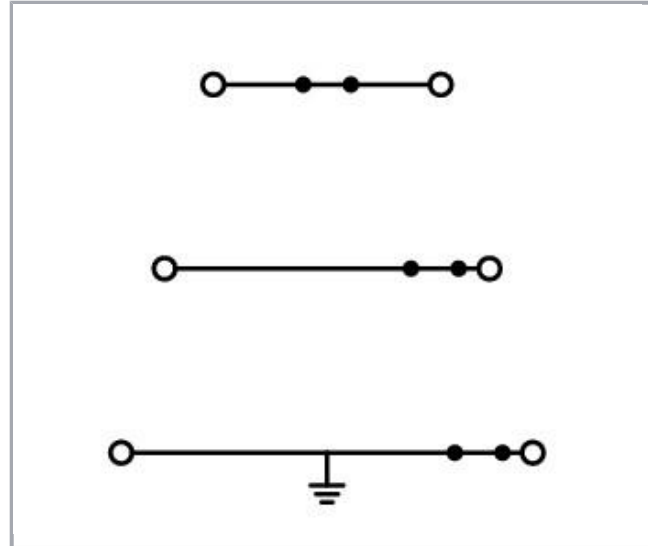
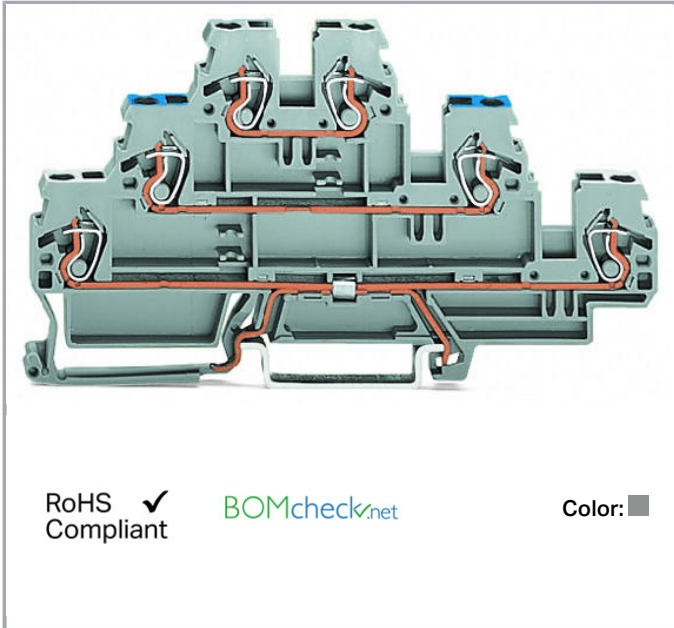


Data sheet | Item number: 870-559

Triple-deck terminal block; Through/through terminal block; white conductor entry; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray



www.wago.com/870-559



Item description

Safety information 1:

Max. insulation diameter: 4.4 mm

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	24 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology

CAGE CLAMP®

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0,08 ... 2,5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0,08 ... 4 mm ² / 28 ... 12 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Total number of connection points	6
Total number of potentials	3
Number of levels	3
Type of wiring	Front-entry wiring

Geometrical Data

Width	5 mm / 0.197 inch
Height from upper-edge of DIN-35 rail	52,5 mm / 2.067 inch
Depth	106 mm / 4.173 inch

Mechanical data

Design	horizontal type
Type of mounting	DIN-35 rail
Potential marking	Schirm/L/L
Marking level	Side marking

Material Data

Color	gray
Fire load	0.275 MJ
Weight	19 g

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4045454129088
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 60947	NTR NL

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

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CCA

DEKRA Certification B.V.

7468







CCA

DEKRA Certification B.V.


EN 60947

2189801.01

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	07436/E0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus UL International Germany GmbH	UL 1059	20160928- E45172

Counterpart






Compatible products

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










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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	www.wago.com/2009-115/000-002
	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.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145/000-002
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/2009-145/000-005










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

	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-145/000-006
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145/000-007
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-145/000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-145/000-023
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-145/000-024
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	www.wago.com/248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/248-501/000-002
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/248-501/000-005
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/248-501/000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/248-501/000-007
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/248-501/000-012
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/248-501/000-017
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/248-501/000-023

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

	<p>Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet</p>	<p>www.wago.com/248-501/000-024</p>
	<p>Item no.: 709-177 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent</p>	<p>www.wago.com/709-177</p>
	<p>Item no.: 709-178 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white</p>	<p>www.wago.com/709-178</p>
	<p>Item no.: 709-196 Marking strips; for laser printer; translucent</p>	<p>www.wago.com/709-196</p>
	<p>Item no.: 709-198 Marking strips; white</p>	<p>www.wago.com/709-198</p>
	<p>Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p>www.wago.com/793-501</p>
	<p>Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p>www.wago.com/793-501/000-002</p>
	<p>Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p>www.wago.com/793-501/000-005</p>
	<p>Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p>www.wago.com/793-501/000-006</p>
	<p>Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p>www.wago.com/793-501/000-007</p>
	<p>Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p>www.wago.com/793-501/000-012</p>
	<p>Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>	<p>www.wago.com/793-501/000-017</p>
	<p>Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green</p>	<p>www.wago.com/793-501/000-023</p>
	<p>Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet</p>	<p>www.wago.com/793-501/000-024</p>
	<p>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</p>	<p>www.wago.com/793-5501</p>

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

	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
tools		
	Item no.: 210-657 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short	www.wago.com/210-657
	Item no.: 210-658 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short	www.wago.com/210-658
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	www.wago.com/210-720
Insulation stop		
	Item no.: 280-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white	www.wago.com/280-470
	Item no.: 280-471 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray	www.wago.com/280-471
	Item no.: 280-472 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip	www.wago.com/280-472
Jumper		

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



Item no.: 709-110
Wire commoning chain; insulated; 4 connections; 3 x 110 mm; black

www.wago.com/709-110



Item no.: 709-111
Wire commoning chain; insulated; 3 connections; 2 x 120 mm; black

www.wago.com/709-111

Item no.: 709-112
Wire commoning chain; insulated; 3 connections; 2 x 170 mm; black

www.wago.com/709-112



Item no.: 870-402
Push-in type jumper bar; insulated; 2-way; Nominal current 18 A; light gray

www.wago.com/870-402



Item no.: 870-403
Push-in type jumper bar; insulated; 3-way; Nominal current 18 A; light gray

www.wago.com/870-403



Item no.: 870-404
Push-in type jumper bar; insulated; 4-way; Nominal current 18 A; light gray

www.wago.com/870-404

Item no.: 870-405
Push-in type jumper bar; insulated; 5-way; Nominal current 18 A; light gray

www.wago.com/870-405

Item no.: 870-405/011-000
Ready-made push-in type jumper bar; insulated; 3-way (1-3-5); Nominal current 18 A; light gray

www.wago.com/870-405/011-000

Item no.: 870-406
Push-in type jumper bar; insulated; 6-way; Nominal current 18 A; light gray

www.wago.com/870-406



Item no.: 870-407
Push-in type jumper bar; insulated; 7-way; Nominal current 18 A; light gray

www.wago.com/870-407

Item no.: 870-407/011-000
Ready-made push-in type jumper bar; insulated; 1-3-5-7; Nominal current 18 A; light gray

www.wago.com/870-407/011-000

Item no.: 870-408
Push-in type jumper bar; insulated; 8-way; Nominal current 18 A; light gray

www.wago.com/870-408

Item no.: 870-409
Push-in type jumper bar; insulated; 9-way; Nominal current 18 A; light gray

www.wago.com/870-409

Item no.: 870-409/011-000
Ready-made push-in type jumper bar; insulated; 1-3-5-7-9; Nominal current 18 A; light gray

www.wago.com/870-409/011-000

Item no.: 870-410
Push-in type jumper bar; insulated; 10-way; Nominal current 18 A; light gray

www.wago.com/870-410



Item no.: 870-433
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 18 A; light gray

www.wago.com/870-433



Item no.: 870-434
Push-in type jumper bar; insulated; from 1 to 4; Nominal current 18 A; light gray

www.wago.com/870-434

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



Item no.: 870-435
Push-in type jumper bar; insulated; from 1 to 5; Nominal current 18 A; light gray

www.wago.com/870-435

Item no.: 870-436
Push-in type jumper bar; insulated; from 1 to 6; Nominal current 18 A; light gray

www.wago.com/870-436

Item no.: 870-437
Push-in type jumper bar; insulated; from 1 to 7; Nominal current 18 A; light gray

www.wago.com/870-437



Item no.: 870-438
Push-in type jumper bar; insulated; from 1 to 8; Nominal current 18 A; light gray

www.wago.com/870-438

Item no.: 870-439
Push-in type jumper bar; insulated; from 1 to 9; Nominal current 18 A; light gray

www.wago.com/870-439

Item no.: 870-440
Push-in type jumper bar; insulated; from 1 to 10; Nominal current 18 A; light gray

www.wago.com/870-440

ferrule



Item no.: 216-121
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

www.wago.com/216-121

Item no.: 216-122
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

www.wago.com/216-122

Item no.: 216-123
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

www.wago.com/216-123



Item no.: 216-124
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated

www.wago.com/216-124

Item no.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-131

Item no.: 216-132
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-132

Item no.: 216-221
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-221

Item no.: 216-222
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-222

Item no.: 216-223
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-223



Item no.: 216-224
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-224

Item no.: 216-321
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-321

Item no.: 216-322
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

www.wago.com/216-322

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

Protective Warning Marker

Item no.: 280-405 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	www.wago.com/280-405
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End plate



Item no.: 870-568 End and intermediate plate; 2 mm thick; gray	www.wago.com/870-568
--	--



Item no.: 870-569 End and intermediate plate; 2 mm thick; orange	www.wago.com/870-569
--	--

General accessories

Item no.: 870-182 Adaptor; gray	www.wago.com/870-182
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Item no.: 870-183 Adaptor; gray	www.wago.com/870-183
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Item no.: 870-184 Adaptor; gray	www.wago.com/870-184
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Item no.: 870-425 Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray	www.wago.com/870-425
--	--

Item no.: 870-426 Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray	www.wago.com/870-426
---	--

Item no.: 870-427 Spacer module; modular; bridging commoned terminal blocks; gray	www.wago.com/870-427
---	--

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
--	--

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



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

assembling

Item no.: 209-106
Mounting carrier; for isolated mounting on DIN 35 rails; gray

www.wago.com/209-106



Item no.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/249-116

Item no.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/249-117

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 870-559	URL	Download
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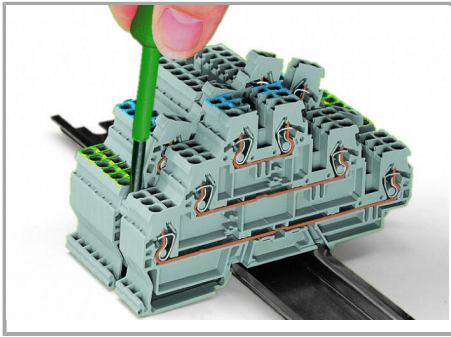
CAE data

EPLAN Data Portal 870-559	URL	Download
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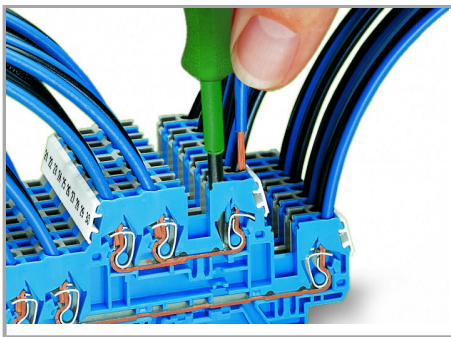
WSCAD Universe 870-559	URL	Download
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Installation Notes

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



Removing a terminal block from the assembly.

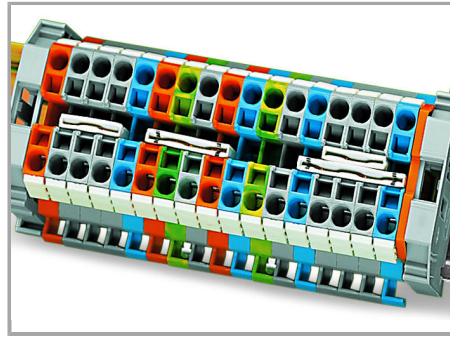


CAGE CLAMP® connection

Inserting a conductor (0.08 ... 4 mm² "f-st").

Jumpered

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



Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on the right and then left side, until installed.

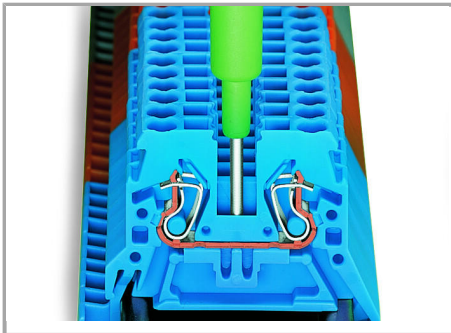
Commoning with push-in type jumper bars:

Two parallel jumper slots are accommodated in one terminal block.

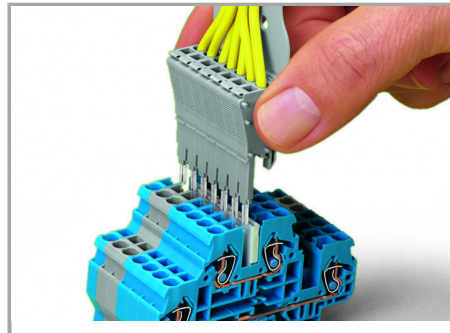
Push-in type jumper bars 1 – 3 – 5 – 7 or
1 – – 4 – – 7

upon request

Testing



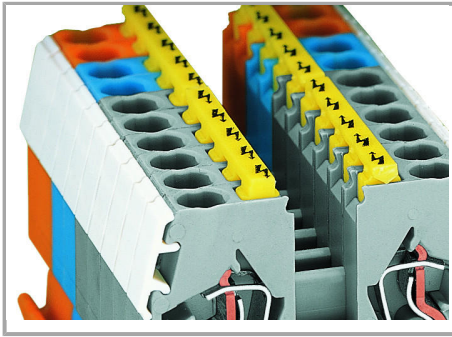
Testing with phase testing device, also possible with single-pole voltage tester.



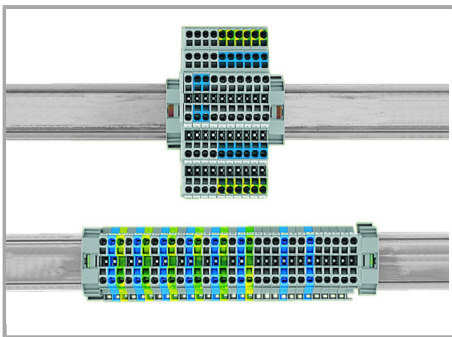
Testing is also possible using a pre-wired tap-off module assembly in the very same way as test plugs.

Cover

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



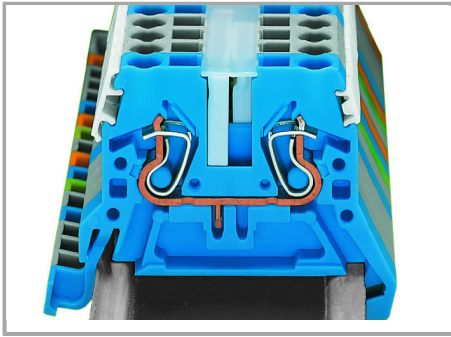
Protective warning markers (280-405), with a black high-voltage symbol



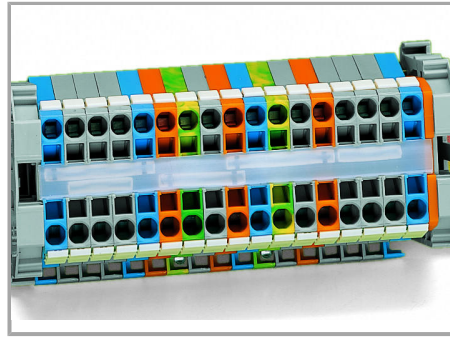
Use 67 % less rail space with triple-deck terminal blocks.

Marking

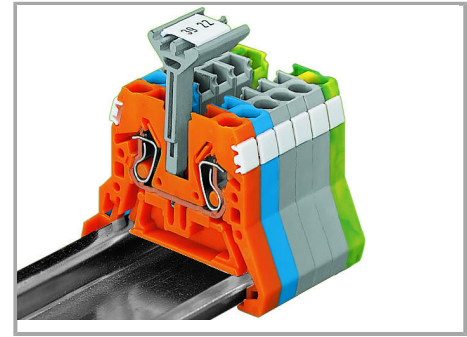
Subject to changes. Please also observe the further product documentation!



WMB markers in Mini-WSB marker slots



Translucent marking strip (709-196) – jumper bars below may be visible.



In addition to the plastic marker strips, group marker carriers are now available for the WMB and WSB marking systems. They can be mounted parallel to a push-in type jumper bar via open jumper contact slot. It assists with viewing marker slots on the side of the terminal block. Group marker carriers are available in 5 mm/0.197 inch, 10 mm/0.394 inch and 15 mm/0.591 inch widths.

Marking strip, translucent

Mini-WSB markers

Notice:

Marker carriers are not suitable for ground conductor terminal blocks and double-potential terminal blocks as they have no jumper contact slots.

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