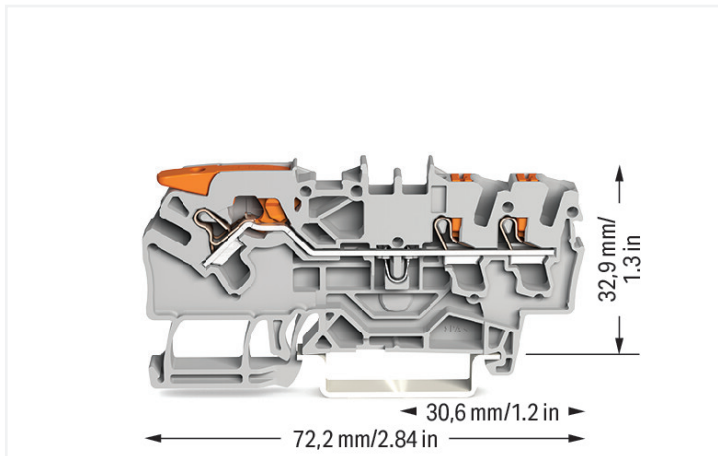


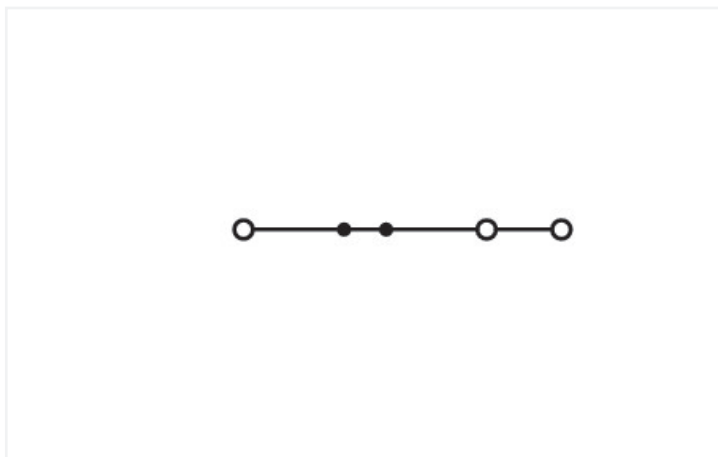
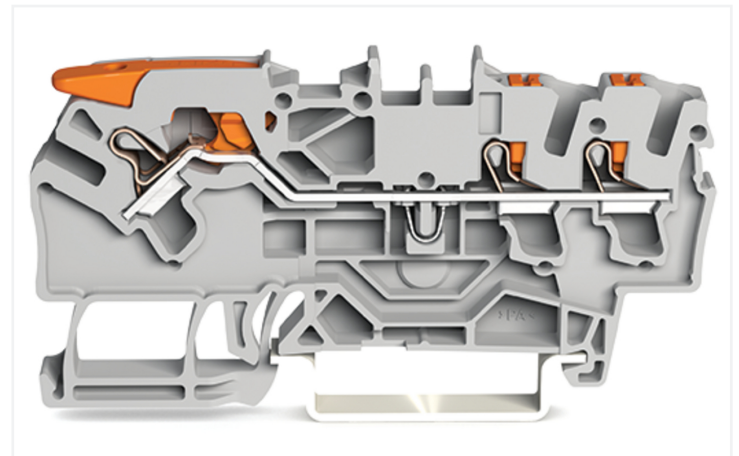
## Data Sheet | Item Number: 2102-5301

3-conductor through terminal block; with lever and push-button; 2.5 mm<sup>2</sup>; with test port; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

<https://www.wago.com/2102-5301>



Color: ■ gray



Similar to illustration

Through terminal block, 2102 Series, gray

This through terminal block (item number 2102-5301) streamlines wire connections, making them both quick and easy. Whether for use in industry or building installations, our rail-mount through terminal blocks allow you to quickly and securely connect electrical conductors. They're perfect for either classic through-wiring or distributing potential, depending on the variant. This through rail-mount terminal block has a rated voltage of 800 V and can handle currents up to 24 A. Conductors should only be connected to this through terminal block if their strip length is between 10 mm and 12 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The item's dimensions are 5.2 x 72.2 x 39.5 mm (width x height x depth). This through terminal block is suitable for conductor cross sections ranging from 0.25 mm<sup>2</sup> to 4 mm<sup>2</sup>. It has one level. The single potential can connect using the three clamping points. The gray housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with lever, push-button. Our TOPJOB® S rail-mount terminal blocks are perfect for a wide range of industrial applications and modern building installations as they provide secure electrical connections. You can work anywhere in the world and on any application with just a single rail-mount terminal block system. These through rail-mount terminal blocks are mounted using DIN-35 rails. You can connect copper conductors via front-entry wiring. The two jumper slots enable potential distribution to other clamping points. This product is designed for specific Ex applications (please refer to the product datasheet).



Electrical data

Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: PTB 18 ATEX 1010 U / IECEx: PTB 18.0001U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	20.5 A
Rated current (Ex e II) with jumper	20 A

Power Loss	
Power loss, per pole (potential)	0.7661 W
Rated current I <sub>N</sub> for specified power loss	24 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

Connection data

Clamping units	3
Total number of potentials	1
Number of levels	1
Number of jumper slots	2

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 ... 4 mm² / 22 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm² / 22 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm² / 18 ... 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	10 ... 12 mm / 0.39 ... 0.47 inches
Wiring direction	Front-entry wiring

Connection 2	
Actuation type	Push-button



Physical data	
Width	5.2 mm / 0.205 inches
Height	72.2 mm / 2.843 inches
Depth from upper-edge of DIN-rail	32.9 mm / 1.295 inches
Depth	39.5 mm / 1.555 inches

Mechanical data	
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.186 MJ
Actuator color	orange
Weight	8.1 g

Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data	
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143741927
Customs tariff number	85369010000

Product classification	
UNSPSC	39121410

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption





Approvals / Certificates		
General approvals		General approvals
		KEMA/KEUR DEKRA Certification B.V.
		EN 60947
		71-102882
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7670
CSA DEKRA Certification B.V.	C22.2	70175030
cURus Underwriters Laboratories Inc.	UL 1059	E45172









Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
ATEX-Attestation of Con- formity WAGO GmbH & Co. KG	-	-
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Approval	Standard	Certificate Name
   		
ABS American Bureau of Ship- ping	-	9-HG1866350-PDA
BV Bureau Veritas S.A.	IEC 60947	58186/A0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00003JT
LR Lloyds Register	-	19/20050

Approvals for hazardous areas


     		
Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	20181105-E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt	EN 60079-0	PTB 18 ATEX 1010 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
CCC CNEX	GB/T 3836.3	2020312313000163 (Ex eb IIC Gb, Ex eb I Mb)
IECEX Physikalisch Technische Bundesanstalt	IEC 60079-0	IECEX PTB 18.0017U (Ex eb IIC Gb resp. Ex eb I Mb)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 19.0818 U



Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2102-5301 

Documentation

Additional Information
Technical Section pdf 2246.92 KB 

Bid Text
2102-5301 15.05.2019 xml 3.99 KB 
2102-5301 14.05.2019 docx 14.82 KB 



CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 2102-5301</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 2102-5301</div> <div>↓</div>
	<div>ZUKEN Portal 2102-5301</div> <div>↓</div>

1 Compatible Products
1.1 Required Accessories
1.1.1 End plate
1.1.1.1 End plate



<div>Item No.: 2102-1391</div> <div>End and intermediate plate; 0.8 mm thick; for 3-conductor terminal blocks; gray</div>	<div>Item No.: 2102-1392</div> <div>End and intermediate plate; 0.8 mm thick; for 3-conductor terminal blocks; orange</div>
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1.2 Optional Accessories
1.2.1 DIN-rail
1.2.1.1 Mounting accessories



<div>Item No.: 210-196</div> <div>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored</div>	<div>Item No.: 210-198</div> <div>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored</div>	<div>Item No.: 210-197</div> <div>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored</div>	<div>Item No.: 210-114</div> <div>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored</div>
<div>Item No.: 210-118</div> <div>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored</div>	<div>Item No.: 210-115</div> <div>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored</div>	<div>Item No.: 210-112</div> <div>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored</div>	<div>Item No.: 210-113</div> <div>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored</div>

1.2.2 Ferrule
1.2.2.1 Ferrule



<div>Item No.: 216-241</div> <div>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</div>	<div>Item No.: 216-242</div> <div>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</div>	<div>Item No.: 216-262</div> <div>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</div>	<div>Item No.: 216-243</div> <div>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</div>
<div>Item No.: 216-263</div> <div>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</div>	<div>Item No.: 216-244</div> <div>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</div>	<div>Item No.: 216-264</div> <div>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</div>	<div>Item No.: 216-246</div> <div>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</div>



1.2.2.1 Ferrule



**Item No.: 216-266**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; in-  
sulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 4/09.90; blue

1.2.3 Installation

1.2.3.1 Cover



**Item No.: 709-156**  
Cover; Type 3; suitable for cover carrier,  
type 3; 1 m long; transparent

1.2.3.2 Cover carrier



**Item No.: 709-169**  
Cover carrier; Type 3; incl. fixing/retaining  
screws and knurled nut; suitable for 279 to  
282 and 880 Series rail-mounted terminal  
blocks; suitable for 264 Series miniature  
rail-mounted terminal blocks; suitable for  
270 Series sensor and actuator terminal  
blocks; gray

1.2.4 Insulation stop

1.2.4.1 Insulation stop



**Item No.: 2002-171**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/  
strip; light gray



**Item No.: 2002-172**  
Insulation stop; 0.75 - 1 mm²; 5 pieces/  
strip; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



**Item No.: 2002-400**  
Continuous jumper; 2-way; insulated; light  
gray



**Item No.: 2002-413**  
Continuous jumper; 3-way; insulated;  
light gray



**Item No.: 2002-415**  
Continuous jumper; 5-way; insulated;  
light gray



**Item No.: 2002-423/000-006**  
Continuous jumper; from 1 to 3; insulated;  
blue



**Item No.: 2002-423**  
Continuous jumper; from 1 to 3; insulated;  
light gray



**Item No.: 2002-423/000-005**  
Continuous jumper; from 1 to 3; insulated;  
red



**Item No.: 2002-424/000-006**  
Continuous jumper; from 1 to 4; insulated;  
blue



**Item No.: 2002-424**  
Continuous jumper; from 1 to 4; insulated;  
light gray



**Item No.: 2002-424/000-005**  
Continuous jumper; from 1 to 4; insulated;  
red



**Item No.: 2002-406/020-000**  
Delta jumper; insulated; light gray



**Item No.: 2002-410/000-006**  
Jumper; 10-way; insulated; blue



**Item No.: 2002-410**  
Jumper; 10-way; insulated; light gray



1.2.5.1 Jumper

 <u>Item No.: 2002-410/000-005</u> Jumper; 10-way; insulated; red	 <u>Item No.: 2002-402/000-006</u> Jumper; 2-way; insulated; blue	 <u>Item No.: 2002-402</u> Jumper; 2-way; insulated; light gray	 <u>Item No.: 2002-402/000-005</u> Jumper; 2-way; insulated; red
 <u>Item No.: 2002-403/000-006</u> Jumper; 3-way; insulated; blue	 <u>Item No.: 2002-403</u> Jumper; 3-way; insulated; light gray	 <u>Item No.: 2002-403/000-005</u> Jumper; 3-way; insulated; red	 <u>Item No.: 2002-404/000-006</u> Jumper; 4-way; insulated; blue
 <u>Item No.: 2002-404</u> Jumper; 4-way; insulated; light gray	 <u>Item No.: 2002-404/000-005</u> Jumper; 4-way; insulated; red	 <u>Item No.: 2002-405/000-006</u> Jumper; 5-way; insulated; blue	 <u>Item No.: 2002-405</u> Jumper; 5-way; insulated; light gray
 <u>Item No.: 2002-405/000-005</u> Jumper; 5-way; insulated; red	 <u>Item No.: 2002-406/000-006</u> Jumper; 6-way; insulated; blue	 <u>Item No.: 2002-406</u> Jumper; 6-way; insulated; light gray	 <u>Item No.: 2002-406/000-005</u> Jumper; 6-way; insulated; red
 <u>Item No.: 2002-407/000-006</u> Jumper; 7-way; insulated; blue	 <u>Item No.: 2002-407</u> Jumper; 7-way; insulated; light gray	 <u>Item No.: 2002-407/000-005</u> Jumper; 7-way; insulated; red	 <u>Item No.: 2002-408/000-006</u> Jumper; 8-way; insulated; blue
 <u>Item No.: 2002-408</u> Jumper; 8-way; insulated; light gray	 <u>Item No.: 2002-408/000-005</u> Jumper; 8-way; insulated; red	 <u>Item No.: 2002-409/000-006</u> Jumper; 9-way; insulated; blue	 <u>Item No.: 2002-409</u> Jumper; 9-way; insulated; light gray
 <u>Item No.: 2002-409/000-005</u> Jumper; 9-way; insulated; red	 <u>Item No.: 2002-440</u> Jumper; from 1 to 10; insulated; light gray	 <u>Item No.: 2002-433</u> Jumper; from 1 to 3; insulated; light gray	 <u>Item No.: 2002-434</u> Jumper; from 1 to 4; insulated; light gray
 <u>Item No.: 2002-435</u> Jumper; from 1 to 5; insulated; light gray	 <u>Item No.: 2002-436</u> Jumper; from 1 to 6; insulated; light gray	 <u>Item No.: 2002-437</u> Jumper; from 1 to 7; insulated; light gray	 <u>Item No.: 2002-438</u> Jumper; from 1 to 8; insulated; light gray
 <u>Item No.: 2002-439</u> Jumper; from 1 to 9; insulated; light gray	 <u>Item No.: 2002-480</u> Staggered jumper; 10-way; insulated; light gray	 <u>Item No.: 2002-481</u> Staggered jumper; 11-way; insulated; light gray	 <u>Item No.: 2002-482</u> Staggered jumper; 12-way; insulated; light gray
 <u>Item No.: 2002-473/011-000</u> Staggered jumper; 2-way; from 1 to 3; insulated; light gray	 <u>Item No.: 2002-472</u> Staggered jumper; 2-way; insulated; light gray	 <u>Item No.: 2002-473</u> Staggered jumper; 3-way; insulated; light gray	 <u>Item No.: 2002-475/011-000</u> Staggered jumper; 3-way; insulated; light gray
 <u>Item No.: 2002-474</u> Staggered jumper; 4-way; insulated; light gray	 <u>Item No.: 2002-475</u> Staggered jumper; 5-way; insulated; light gray	 <u>Item No.: 2002-476</u> Staggered jumper; 6-way; insulated; light gray	 <u>Item No.: 2002-477</u> Staggered jumper; 7-way; insulated; light gray
 <u>Item No.: 2002-478</u> Staggered jumper; 8-way; insulated; light gray	 <u>Item No.: 2002-479</u> Staggered jumper; 9-way; insulated; light gray	 <u>Item No.: 2002-477/011-000</u> Staggered jumper; insulated; light gray	 <u>Item No.: 2002-479/011-000</u> Staggered jumper; insulated; light gray
 <u>Item No.: 2002-481/011-000</u> Staggered jumper; insulated; light gray	 <u>Item No.: 2002-405/011-000</u> Star point jumper; 3-way; insulated; light gray	 <u>Item No.: 210-103</u> Wire commoning chain; insulated; black	 <u>Item No.: 210-123</u> Wire commoning chain; insulated; blue



1.2.6 Marking

1.2.6.1 Group marker carrier



Item No.: 2009-191

Group marker carrier; gray

Item No.: 2009-192

Group marker carrier; gray

Item No.: 2009-193

Group marker carrier; gray

1.2.6.2 Marker



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

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; gray

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

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



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

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

Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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; yellow



Item No.: 248-501/000-006

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

Item No.: 248-501/000-007

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

Item No.: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 248-501/000-017

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 248-501/000-005

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

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

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

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; green



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; light green

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

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

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



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

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

Item No.: 2009-115/000-006

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

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



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

Item No.: 2009-115/000-017

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 2009-115/000-012

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-115/000-024

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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





1.2.6.3 Marker carrier



**Item No.: 2002-161**  
Adaptor; gray

**Item No.: 2009-198**  
Adaptor; gray

1.2.6.4 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.7 Plug

1.2.7.1 Component module with diode



**Item No.: 2002-880/1000-411**  
Component plug; 2-pole; with diode 1N4007; 10.4 mm wide; Operating temperature 85°C max.; gray

1.2.7.2 Component module with LED



**Item No.: 2002-880/1000-541**  
Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

**Item No.: 2002-880/1000-836**  
Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

**Item No.: 2002-880/1000-542**  
Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; multicoloured

1.2.7.3 Empty component plug housing



**Item No.: 2002-880**  
Empty component plug housing; 10.4 mm wide; 2-pole; Type 4; gray

1.2.8 Push-in type wire jumper

1.2.8.1 Jumper



**Item No.: 2009-414**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black






















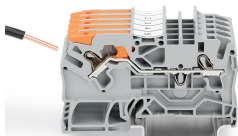
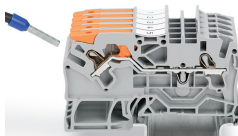
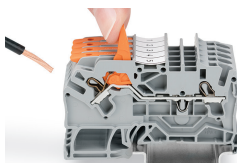
**Item No.: 2009-414/000-005**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black

**Item No.: 2009-416**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 250 mm long; black

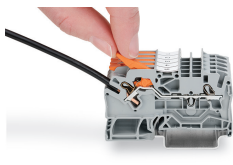
**Item No.: 2009-414/000-006**  
Push-in type wire jumper; insulated; 110 mm long; black



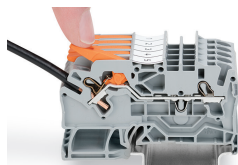
**Item No.: 2009-412**  
Push-in type wire jumper; insulated; 60 mm long; black

1.2.9 Screwless end stop			
1.2.9.1 Mounting accessories			
			
<div><div>Item No.: 249-117</div><div>Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray</div></div>	<div><div>Item No.: 249-116</div><div>Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray</div></div>		
1.2.10 Test and measurement			
1.2.10.1 Testing accessories			
			
<div><div>Item No.: 2002-560</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-511</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-552</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-553</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm²; gray</div></div>
			
<div><div>Item No.: 2002-554</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-555</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-556</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-557</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm²; gray</div></div>
			
<div><div>Item No.: 2002-558</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-559</div><div>Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm²; gray</div></div>	<div><div>Item No.: 2002-549</div><div>Spacer module; modular; e.g., for bridging commoned terminal blocks; gray</div></div>	<div><div>Item No.: 2009-174</div><div>Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray</div></div>
			
<div><div>Item No.: 210-136</div><div>Test plug; 2 mm Ø; with 500 mm cable; red</div></div>	<div><div>Item No.: 2009-182</div><div>Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray</div></div>	<div><div>Item No.: 2002-649</div><div>TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray</div></div>	<div><div>Item No.: 2002-611</div><div>TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm²; gray</div></div>
1.2.11 Tool			
1.2.11.1 Operating tool			
			
<div><div>Item No.: 210-658</div><div>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured</div></div>	<div><div>Item No.: 210-720</div><div>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured</div></div>		
Installation Notes			
Conductor termination			
			
<div><div>All conductor types at a glance</div></div>	<div><div>Push-in termination of solid conductors</div></div>	<div><div>Push-in termination of fine-stranded conductors with ferrules</div></div>	<div><div>Pull the lever up until it stops, then connect the fine-stranded conductor.</div></div>

## Conductor termination

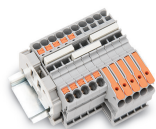


Push the lever back down – done!



Push the lever back down – done!

## Commoning

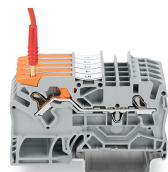


Insert a push-in type jumper bar and push down until it hits the backstop.



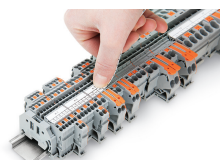
Commoning with step-down jumpers.

## Testing

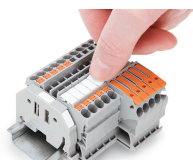


Testing with a 2 mm Ø test plug (max. 42 V).

## Marking



Snapping a marking strip into a marker slot.



Snapping a marking strip into the marker slot.