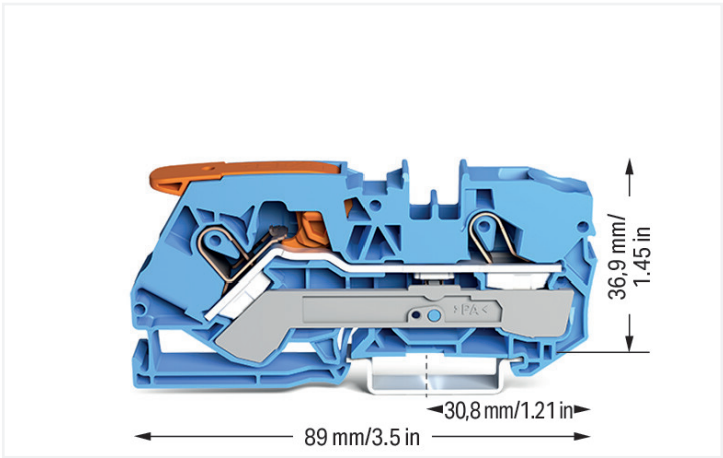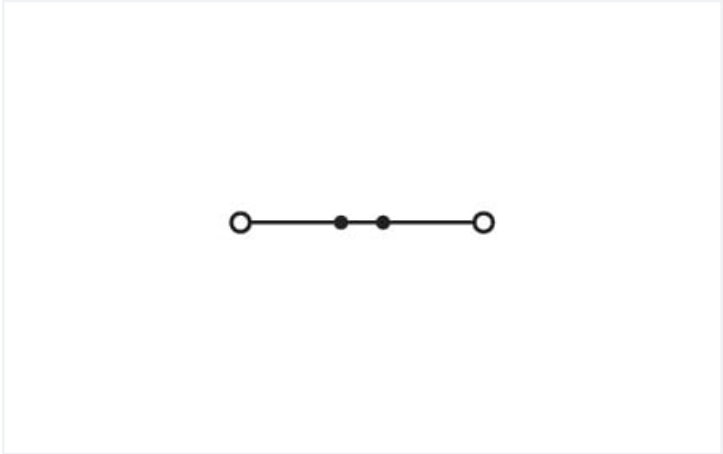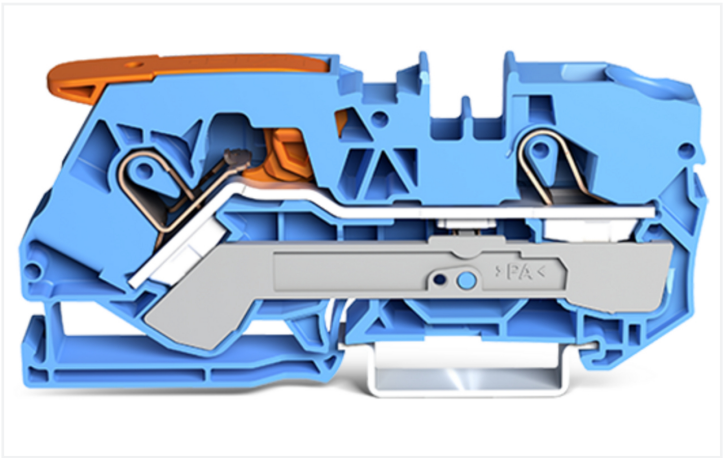# Data Sheet | Item Number: 2110-1204

2-conductor through terminal block; with lever and Push-in CAGE CLAMP®; 10 mm²; with test port; suitable for Ex i applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 10,00 mm²; blue

https://www.wago.com/2110-1204

Color: ■ blue

Similar to illustration

Through terminal block, 2110 Series, blue

Our through terminal block (item number 2110-1204) makes connecting wires quick and easy. Whether for industrial or building applications, you can use our through terminal blocks to connect electrical conductors quickly and safely. We offer variants for both classic through-wiring and potential distribution. This through rail-mount terminal block has a rated voltage of 800 V and can handle currents up to 57 A. Strip lengths must be between 17 mm and 19 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. Dimensions: 10 x 89 x 43.7 mm (width x height x depth). This through terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 16 mm². It has one level. The single potential can connect using the two clamping points The blue housing is made of polyamide (PA66) for insulation. Lever,operating tool is used to operate this through rail-mount terminal block. Our TOPJOB® S rail-mount terminal blocks guarantee reliable electrical connections in various industrial applications and modern building installations. They make wiring work easier as you can quickly plug in solid, stranded, and fine-stranded conductors with ferrules. These through rail-mount terminal blocks are mounted using DIN-35 rails.. The front-entry wiring allows you to connect copper conductors. 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			Approvals per	UL 1059		
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	600 V	600 V	-
Nominal voltage	800 V	-	-	Rated current	65 A	65 A	-
Rated surge voltage	8 kV	-	-				
Rated current	57 A	-	-				
Current at conductor cross-section (max.) mm²	74 A	-	-				

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Ex information

Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: PTB 19 ATEX 1017 U / IECEx: PTB 19.0047U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	57 A
Rated current (Ex e II) with jumper	50 A

Power Loss

Power loss, per pole (potential)	1.8194 W
Rated current I_N for specified power loss	57 A
Resistance value for specified, current-dependent power loss	0.00056 Ω

Connection data

Clamping units	2
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	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	4 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 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. AWG specifications were converted according to IEC.
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Wiring direction	Front-entry wiring

Connection 2

Actuation type	Operating tool

Physical data

Width	10 mm / 0.394 inches
Height	89 mm / 3.504 inches
Depth from upper-edge of DIN-rail	36.9 mm / 1.453 inches
Depth	43.7 mm / 1.72 inches

Mechanical data

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

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.477 MJ
Actuator color	orange
Weight	25.5 g

Environmental requirements

Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Commercial data

ETIM 9.0	EC000897
ETIM 8.0	EC000897
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143865319
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7757
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-109053
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Approval	Standard	Certificate Name
ATEX Physikalisch Technische Bundesanstalt	EN 60079-0	PTB 19 ATEX 1017 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
CCC CNEX	GB/T 3836.3	2020312313000165 (Ex eb IIC Gb, Ex eb I Mb)
cURus Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)

Approvals for hazardous areas

Approval	Standard	Certificate Name
IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 19.0047U (Ex eb IIC Gb or Ex eb I Mb)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 20.0893 U

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Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2110-1204	↓

Documentation

Additional Information				Bid Text			
Technical Section		pdf 2246.92 KB	↓	2110-1204	20.05.2019	docx 15.12 KB	↓
				2110-1204	20.05.2019	xml 4.07 KB	↓

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 2110-1204	↓	EPLAN Data Portal 2110-1204	↓
		ZUKEN Portal 2110-1204	↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 2110-1291
End and intermediate plate; 1 mm thick; gray

Item No.: 2110-1292
End and intermediate plate; 1 mm thick; orange

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover

Item No.: 2010-100
Finger guard; touchproof cover protects unused conductor entries; yellow

1.2.2 DIN-rail

1.2.2.1 Mounting accessories

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

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

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

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

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

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

1.2.3 Ferrule

1.2.3.1 Ferrule

Item No.: 216-284
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

Item No.: 216-289
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-286
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

Item No.: 216-287
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.4 Installation

1.2.4.1 Cover

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

1.2.4.2 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

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1.2.5 Jumper

1.2.5.1 Jumper

Item No.: 2010-402	Item No.: 2010-403	Item No.: 2010-404	Item No.: 2010-405
Jumper; 2-way; insulated; light gray	Jumper; 3-way; insulated; light gray	Jumper; 4-way; insulated; light gray	Jumper; 5-way; insulated; light gray
Item No.: 2010-433	Item No.: 2010-434	Item No.: 2010-435	Item No.: 2010-405/011-000
Jumper; from 1 to 3; insulated; light gray	Jumper; from 1 to 4; insulated; light gray	Jumper; from 1 to 5; insulated; light gray	Star point jumper; 3-way; insulated; light gray

1.2.6 Marking

1.2.6.1 Group marker carrier

Item No.: 2009-191	Item No.: 2009-192	Item No.: 2009-193
Group marker carrier; gray	Group marker carrier; gray	Group marker carrier; gray

1.2.6.2 Marker

Item No.: 2009-145/000-006	Item No.: 2009-145/000-007	Item No.: 2009-145/000-023	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; blue	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	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	Item No.: 2009-145/000-024	Item No.: 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; red	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	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	Item No.: 248-501/000-007	Item No.: 248-501/000-023	Item No.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
Item No.: 248-501/000-012	Item No.: 248-501/000-005	Item No.: 248-501/000-024	Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white
Item No.: 248-501/000-002	Item No.: 793-5501/000-006	Item No.: 793-5501/000-007	Item No.: 793-5501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	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	Item No.: 793-5501/000-012	Item No.: 793-5501/000-005	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; light green	WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	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	Item No.: 793-5501/000-002	Item No.: 793-501/000-006	Item No.: 793-501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	WMB marking card; as card; not stretchable; plain; snap-on type; blue	WMB marking card; as card; not stretchable; plain; snap-on type; gray

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1.2.6.2 Marker

Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; 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.: 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 Protective warning marker

1.2.7.1 Cover

Item No.: 2010-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.8 Screwless end stop

1.2.8.1 Mounting accessories

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

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

1.2.9 Test and measurement

1.2.9.1 Testing accessories

Item No.: 2010-511
Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 4,00 mm²; gray

Item No.: 2010-549
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

Item No.: 2009-174
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Item No.: 2009-182
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.10 Tool

1.2.10.1 Operating tool

Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured
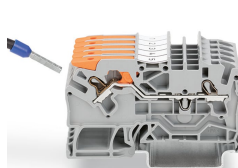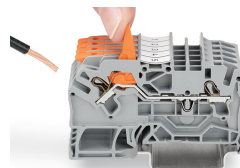
Installation Notes

Conductor termination

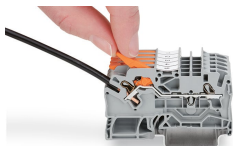**All conductor types at a glance**
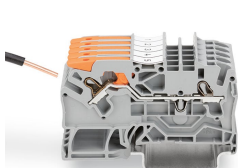
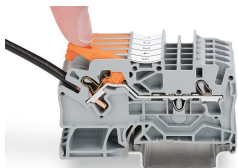Push-in termination of solid conductors

Push-in termination of fine-stranded conductors with ferrules

Pull the lever up until it stops, then connect the fine-stranded conductor.
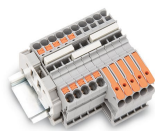
Push the lever back down – done!

Push the lever back down – done!

Commoning

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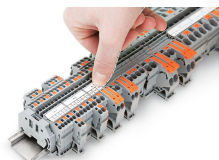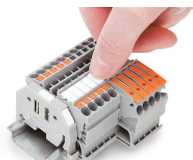
Commoning with step-down jumpers.

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.

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

Current addresses can be found at:: www.wago.com