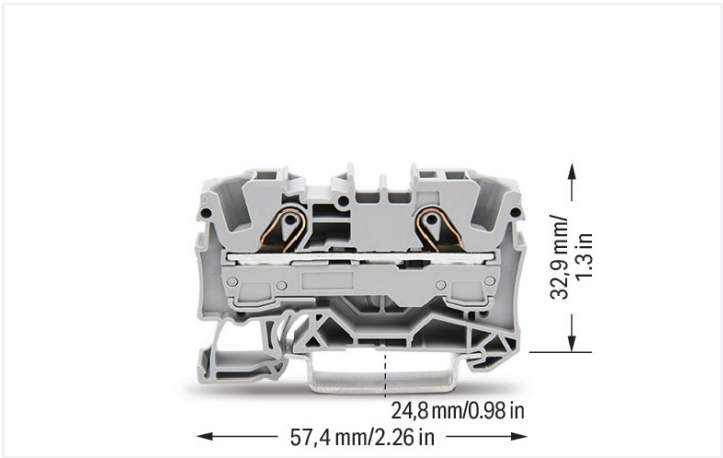


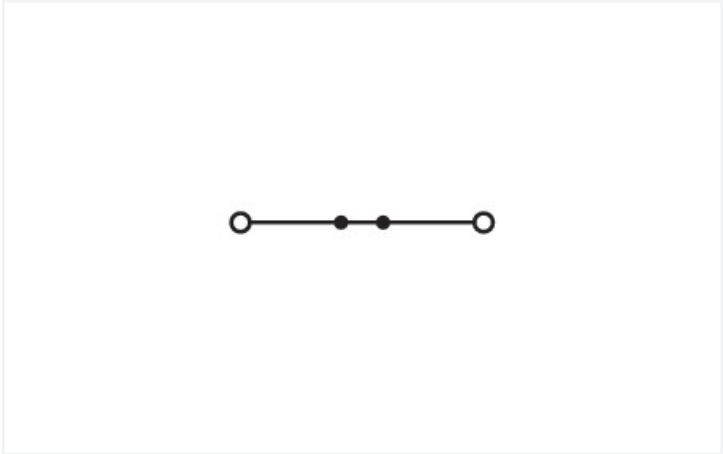
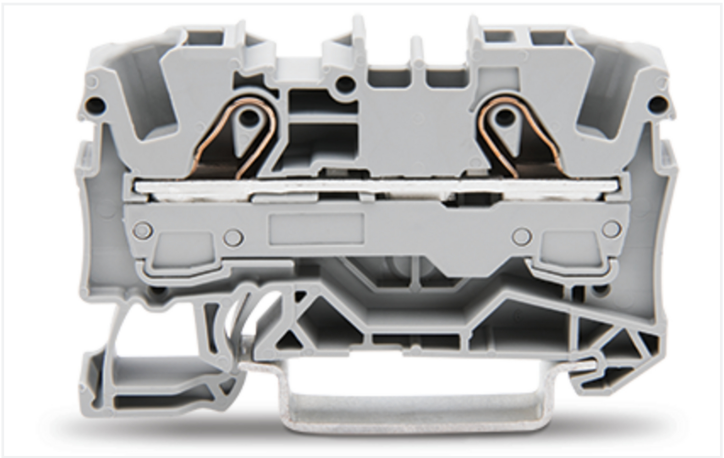
Data Sheet | Item Number: 2006-1201

Regletă de trecere cu 2 conductori; 6 mm²; potrivit pentru aplicații Ex e II; marcarea laterală și centru; pentru șină DIN 35 x 15 și 35 x 7,5; CAGE CLAMP® înclichetare; 6,00 mm²; gri

<https://www.wago.com/2006-1201>



Color: ■ gri



Similar to illustration

Through terminal block, 2006 Series, operating tool

This through terminal block (item number 2006-1201) is designed to connect conductors quickly and easily. 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. Our through rail-mount terminal block is rated for 800 V and is designed to handle a rated current of up to 41 A. Strip lengths must be between 13 mm and 15 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 the need for tools—all thanks to its pluggable design. The dimensions are 7.5 x 57.4 x 39.5 mm (width x height x depth). Depending on the conductor type, this through terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 10 mm². It comes with one level and two clamping points for connecting a single potential. The gray housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with an operating tool. Our TOPJOB® S rail-mount terminal blocks are perfect for many different 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.. 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		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		800 V	-	-
Rated surge voltage		8 kV	-	-
Rated current		41 A	-	-

Ratings per		IEC/EN 60947-7-1		
Current at conductor cross-section (max.) mm²		57 A	-	-



Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		50 A	50 A	-

Ex information	
Reference hazardous areas	See application instructions in section “Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explications”
Ratings per	ATEX: PTB 05 ATEX 1030 U / IECEx: PTB 05.0014U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	38 A
Rated current (Ex e II) with jumper	33 A

Approvals per		CSA 22.2 No 158		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		50 A	50 A	-

Power Loss	
Power loss, per pole (potential)	1.3112 W
Rated current I _N for specified power loss	41 A
Resistance value for specified, current-dependent power loss	0.00078 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	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0,5 ... 10 mm² / 20 ... 8 AWG
Solid conductor; push-in termination	2,5 ... 10 mm² / 14 ... 8 AWG
Fine-stranded conductor	0,5 ... 10 mm² / 20 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0,5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2,5 ... 6 mm² / 16 ... 10 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	13 ... 15 mm / 0.51 ... 0.59 inci
Wiring direction	Front-entry wiring

Physical data

Width	7,5 mm / 0.295 inci
Height	57,4 mm / 2.26 inci
Depth from upper-edge of DIN-rail	32,9 mm / 1.295 inci
Depth	39,5 mm / 1.555 inci

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	gri
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.191 MJ
Weight	9.9 g

Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C
Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes)
Test duration per axis	10 min.
Test directions	X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	5 h
Test directions	X, Y and Z axes
Extended test scope: Monitoring for contact faults/interruptions	Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Test directions	X, Y and Z axes
Extended test scope: Monitoring for contact faults/interruptions	Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed



Commercial data	
Product Group	22 (TOPJOB S)
PU (SPU)	50 Buc.
Packaging type	Box
Country of origin	DE
GTIN	4017332999649
Customs tariff number	85369010000

Product classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 9.0	EC000897
ETIM 8.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 60947	71-122840 REV.1	ATEX-Attestation of Con- formity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7925/1	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2 No. 158	1543858	Railway WAGO GmbH & Co. KG	-	Railway Ready
cURus Underwriters Laboratories Inc.	UL 1059	E45172	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Approvals for marine applications			Approvals for hazardous areas		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA	AEx Underwriters Laboratories Inc.	UL 60079	E 185892 (AEx eb IIC Gb, Ex eb IIC Gb)
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2	ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1030 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
			CCCEX CQST/CNEX	GB/T 3836.3	2020312313000231 (Ex eb IIC Gb, Ex eb I Mb)
			IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 05.0014 U (Ex eb IIC resp. EX eb I Mb)
			INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 12.1310 U



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2006-1201

Download icon

Documentation

Bid Text			
2006-1201	17.04.2019	xml 4.14 KB	Download icon
2006-1201	17.04.2019	docx 14.79 KB	Download icon

CAD/CAE-Data

CAD data

2D/3D Models 2006-1201

Download icon

CAE data

EPLAN Data Portal 2006-1201

Download icon

WSCAD Universe 2006-1201

Download icon

ZUKEN Portal 2006-1201

Download icon

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 2006-1291
Placă de capăt și placă intermediară; Grosime de 1 mm; gri

Item No.: 2006-1292
Placă de capăt și placă intermediară; Grosime de 1 mm; portocaliu

Item No.: 209-191
Separator pentru aplicații Ex e/Ex i; Grosime de 3 mm; Lățime de 120 mm; portocaliu

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover

Item No.: 2006-191
Capac de deblocare; pentru inserare fire și deschidere de acționare; gri



1.2.2 DIN-rail

1.2.2.1 Mounting accessories



Item No.: 210-196
Șină DIN din aluminiu; 35 x 8,2 mm; Grosime de 1,6 mm; 2 m lungime; necreat; similar cu EN 60715; argintiu



Item No.: 210-198
Șină DIN din cupru; 35 x 15 mm; Grosime de 2,3 mm; 2 m lungime; necreat; conform EN 60715; arămiu



Item No.: 210-508
Șină DIN din oțel; 35 x 15 mm; Grosime de 1,5 mm; 2 m lungime; creat; galvanizat; similar cu EN 60715; argintiu



Item No.: 210-197
Șină DIN din oțel; 35 x 15 mm; Grosime de 1,5 mm; 2 m lungime; creat; similar cu EN 60715; argintiu



Item No.: 210-506
Șină DIN din oțel; 35 x 15 mm; Grosime de 1,5 mm; 2 m lungime; necreat; galvanizat; similar cu EN 60715; argintiu



Item No.: 210-114
Șină DIN din oțel; 35 x 15 mm; Grosime de 1,5 mm; 2 m lungime; necreat; similar cu EN 60715; argintiu



Item No.: 210-118
Șină DIN din oțel; 35 x 15 mm; Grosime de 2,3 mm; 2 m lungime; necreat; conform EN 60715; argintiu



Item No.: 210-115
Șină DIN din oțel; 35 x 7,5 mm; Grosime de 1 mm; 2 m lungime; creat; conform EN 60715; "Lățime orificiu 18 mm; argintiu



Item No.: 210-112
Șină DIN din oțel; 35 x 7,5 mm; Grosime de 1 mm; 2 m lungime; creat; conform EN 60715; "Lățime orificiu 25 mm; argintiu



Item No.: 210-504
Șină DIN din oțel; 35 x 7,5 mm; Grosime de 1 mm; 2 m lungime; creat; galvanizat; conform EN 60715; argintiu



Item No.: 210-113
Șină DIN din oțel; 35 x 7,5 mm; Grosime de 1 mm; 2 m lungime; necreat; conform EN 60715; argintiu



Item No.: 210-505
Șină DIN din oțel; 35 x 7,5 mm; Grosime de 1 mm; 2 m lungime; necreat; galvanizat; conform EN 60715; argintiu

1.2.3 End plate

1.2.3.1 End plate



Item No.: 2006-1293
Placă separator; Grosime de 2 mm; supra-dimensionat; gri



Item No.: 2006-1294
Placă separator; Grosime de 2 mm; supra-dimensionat; portocaliu

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-156
Carcasă; Tip 3; potrivit pentru suport capac, tip 3; 1 m lungime; transparent

1.2.4.2 Cover carrier



Item No.: 709-169
Suport capac; Tip 3; incl. șuruburi de fixare/reținere și piuliță moletată; potrivit pentru regletele montate pe șină, din seriile 279 până la 282 și 880; potrivit pentru reglete miniaturale montate pe șină, din seria 264; potrivit pentru reglete de conexiuni pentru senzori și actuatori din seria 270; gri

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 2006-499

Șunt de reducere; de la seria 2006/2004 la 2004/2002/2001; de la seria 2206/2204 la 2204/2202/2201; izolat; gri deschis



Item No.: 2016-499

Șunt de reducere; din 2016/2010 până în 2010/2006/2004/2002 seria; din 2216/2210 până în 2210/2206/2204/2202 seria; izolat; gri deschis



Item No.: 2006-405/011-000

Șunt punct stea; 3 căi; izolat; gri deschis



Item No.: 2006-402

Șunt; 2 căi; izolat; gri deschis



Item No.: 2006-403

Șunt; 3 căi; izolat; gri deschis



Item No.: 2006-404

Șunt; 4 căi; izolat; gri deschis



Item No.: 2006-405

Șunt; 5 căi; izolat; gri deschis



Item No.: 2006-433

Șunt; de la 1 la 3; izolat; gri deschis



Item No.: 2006-434

Șunt; de la 1 la 4; izolat; gri deschis



Item No.: 2006-435

Șunt; de la 1 la 5; izolat; gri deschis

1.2.6 Marking

1.2.6.1 Group marker carrier



Item No.: 2009-191

Suport marker grup; gri



Item No.: 2009-192

Suport marker grup; gri



Item No.: 2009-193

Suport marker grup; gri

1.2.6.2 Marker



Item No.: 248-501

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; alb



Item No.: 248-501/000-006

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; albastru



Item No.: 248-501/000-002

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; galben



Item No.: 248-501/000-007

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; gri



Item No.: 248-501/000-012

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; portocaliu



Item No.: 248-501/000-005

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; roșu



Item No.: 248-501/000-023

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; verde



Item No.: 248-501/000-017

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; verde deschis



Item No.: 248-501/000-024

Card de marcare Mini-WSB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; violet



Item No.: 793-501

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; alb



Item No.: 793-501/000-006

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; albastru



Item No.: 793-501/000-002

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; galben



Item No.: 793-501/000-007

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; gri



Item No.: 793-501/000-012

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; portocaliu



Item No.: 793-501/000-005

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; roșu



Item No.: 793-501/000-023

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; verde



Item No.: 793-501/000-017

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; verde deschis



Item No.: 793-501/000-024

Card de marcare WMB; sub formă de card; fără posibilitate de extindere; simplu; tip cu clipsare; violet



Item No.: 793-5501

Card de marcare WMB; sub formă de card; pt. reglete cu lățimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu; tip cu clipsare; alb



Item No.: 793-5501/000-006

Card de marcare WMB; sub formă de card; pt. reglete cu lățimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu; tip cu clipsare; albastru

1.2.6.2 Marker

**Item No.: 793-5501/000-002**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; galben

**Item No.: 793-5501/000-007**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; gri

**Item No.: 793-5501/000-012**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; portocaliu

**Item No.: 793-5501/000-005**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; roşu

**Item No.: 793-5501/000-023**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; verde

**Item No.: 793-5501/000-017**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; verde deschis

**Item No.: 793-5501/000-024**

Card de marcare WMB; sub formă de card; pt. reglete cu lăţimea de 5 - 17,5 mm; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; violet

**Item No.: 2009-145**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; alb

**Item No.: 2009-145/000-006**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; albastru

**Item No.: 2009-145/000-002**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; galben

**Item No.: 2009-145/000-007**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; gri

**Item No.: 2009-145/000-012**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; portocaliu

**Item No.: 2009-145/000-005**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; roşu

**Item No.: 2009-145/000-023**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; verde

**Item No.: 2009-145/000-024**

Mini-WSB In linie; pentru Smart Printer; 1700 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; violet

**Item No.: 2009-115**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; alb

**Item No.: 2009-115/000-006**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; albastru

**Item No.: 2009-115/000-002**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; galben

**Item No.: 2009-115/000-007**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; gri

**Item No.: 2009-115/000-012**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; portocaliu

**Item No.: 2009-115/000-023**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; verde

**Item No.: 2009-115/000-017**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; verde deschis

**Item No.: 2009-115/000-024**

WMB-Inline; pentru Smart Printer; 1500 bucăţi pe rolă; posibilitate de extindere 5 - 5,2 mm; simplu;; tip cu clipsare; violet

1.2.6.3 Marker carrier

**Item No.: 2009-198**

Adaptor; gri

1.2.6.4 Marking strip

**Item No.: 2009-110**

Benzi de marcaj; pentru Smart Printer; pe bobină; fără posibilitate de extindere; simplu;; tip cu clipsare; alb



1.2.7 Protective warning marker

1.2.7.1 Cover



Item No.: 2006-115
Marcaj de avertizare protecție; pentru 5 reglete de conexiuni; cu simbol de înaltă tensiune, negru; galben

1.2.8 Screwless end stop

1.2.8.1 Mounting accessories



Item No.: 249-117
Regletă de oprire fara șurub; Lățime de 10 mm; pentru șină DIN 35 x 15 și 35 x 7,5; gri



Item No.: 249-116
Regletă de oprire fara șurub; Lățime de 6 mm; pentru șină DIN 35 x 15 și 35 x 7,5; gri

1.2.9 Test and measurement

1.2.9.1 Testing accessories



Item No.: 2009-174
Adaptor conector de testare; pentru conectori test de 4 mm Ø; pentru reglete de testare TOPJOB®S montate pe șină; gri



Item No.: 210-136
Conector de testare; 2 mm Ø; cu cablu de 500 mm; roșu



Item No.: 2006-511
Conector modular TOPJOB®S; modular; pentru slot contact șunt; 1 poli; gri



Item No.: 2009-182
Conexiune de testare; for max. 2,5 mm²; conectare fără unelte pentru fire de test individuale 0,08 - 2,5 mm; gri



Item No.: 2006-549
Modul distanțier; modular; de ex., pentru șuntarea regletelor de conexiuni; gri

1.2.10 Tool

1.2.10.1 Operating tool



Item No.: 210-721
Unealtă de operare; Lamă: 5,5 x 0,8 mm; cu mâner izolat parțial; multicolor

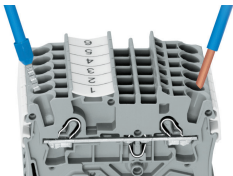
Installation Notes



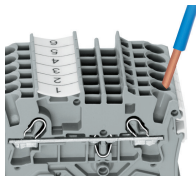
Conductor termination



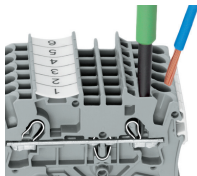
All conductor types at a glance



Push-in termination of solid and ferruled conductors

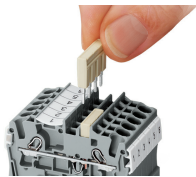


Inserting a conductor via push-in termination:
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

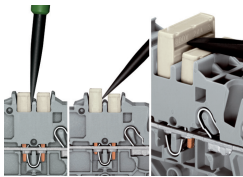


Inserting a conductor via operating tool:
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.
Advantage:
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

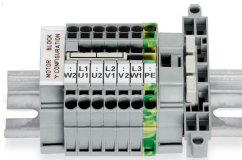


Insert push-in type jumper bar and push down until it hits backstop.



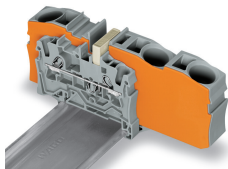
Removing a push-in type jumper bar:
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper. Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Commoning

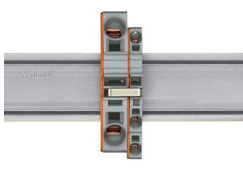


This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

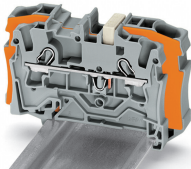
Commoning



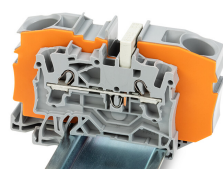
Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.
Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



Using step-down jumpers, an end plate must be inserted between the terminal blocks to be commoned.

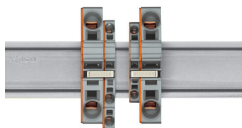
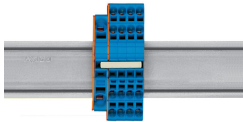
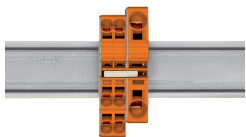


Step-down jumper (2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).



Step-down jumper (2016-499) commons 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).

Commoning

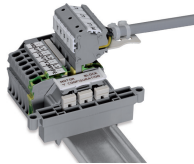
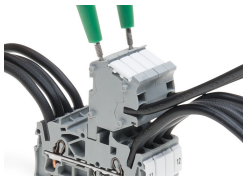
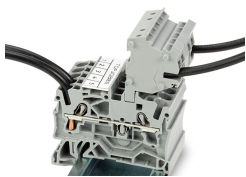


Stepping down via push-in type jumper bar:
Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).

Stepping down via push-in type jumper bar:
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).

Note:
The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

Testing



The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.

TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester

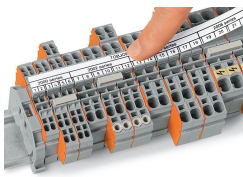
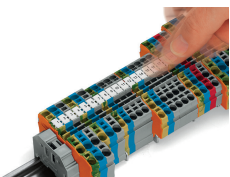
Rail-mount terminal block assembly for electric motor wiring

Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

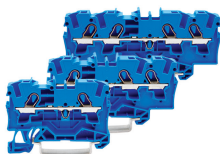
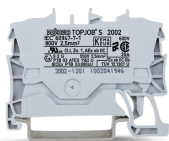
Marking



Snapping WMB Inline markers into marker slots.

TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks
Do not use on an end plate!

Ex application

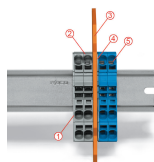
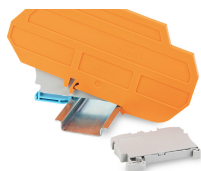


Through terminal blocks with a blue insulated housing are suitable for Ex i applications.

All through and ground conductor terminal blocks are suitable for Ex e II applications.

Separator plate for Ex e/Ex i applications
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.

Ex application

**Ex e II/Ex i terminal strip****Note:**

The movable feet of terminal blocks and separator plates must face the same direction.

A separator plate is located between the Ex e II and Ex i terminal strip.

End plate

Ex e II terminal blocks

Separator plate for Ex e/Ex i applications

End plate

Ex i terminal blocks

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common DIN-rail.