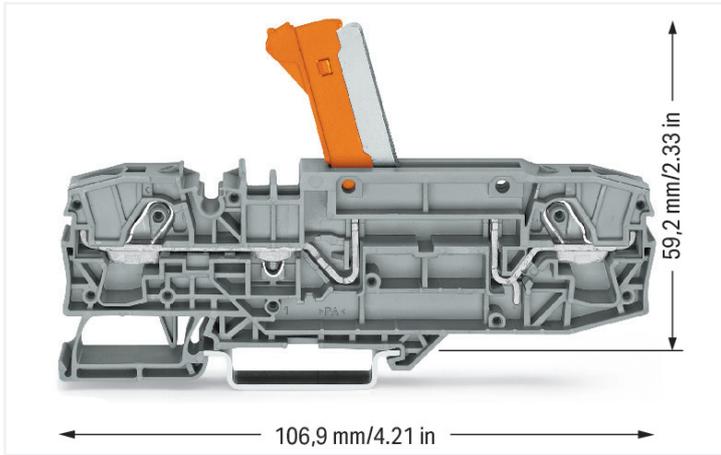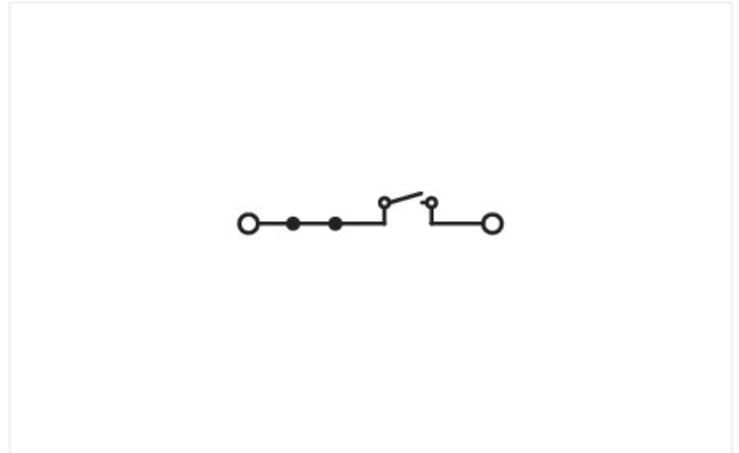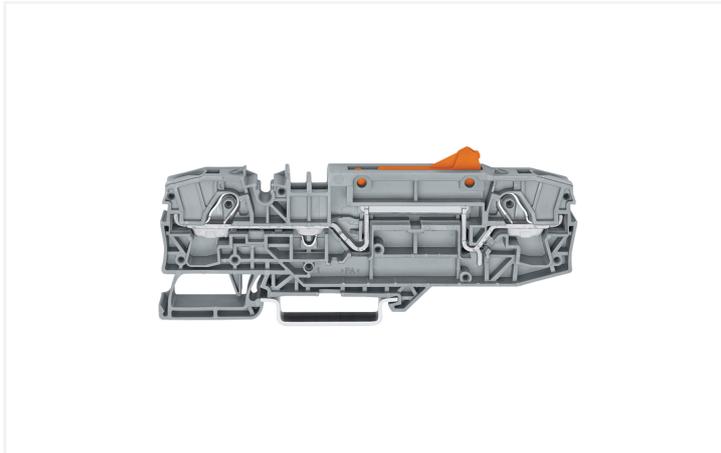# Data Sheet | Item Number: 2006-8671

2-conductor disconnect/test terminal block; with pivoting knife disconnect; with test option; orange disconnect link; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; Push-in CAGE CLAMP®; 6,00 mm²; gray

https://www.wago.com/2006-8671

Color: ■ gray

Similar to illustration

Disconnect terminal block for test and measurement, 2006 Series, gray

Our disconnect terminal block for test and measurement (item number 2006-8671) ensures effortless electrical installations. Strip lengths must be between 13 and 15 mm when connecting conductors to this disconnect terminal block for test and measurement. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. This disconnect terminal block for test and measurement is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm².

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Notes

Safety Information	The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA.

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	1000 V
Rated impulse withstand voltage (III / 3)	12 kV
Rated current	30 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per IEC/EN 2

Rated voltage (III / 3)	1500 V
Rated impulse withstand voltage (III/3)	12 kV

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	1000 V	-
Rated current	30 A	30 A	-

Power Loss

Power loss, per pole (potential)	0.702 W
Rated current I_N for power loss specification	30 A
Resistance value for specified, current-dependent power loss	0.00078 Ω

General information

Voltage type 1	AC/DC
Voltage type 2	DC
Wiring direction	Front-entry wiring

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 inches
Wiring direction	Front-entry wiring

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Physical data

Width	15 mm / 0.591 inches
Height	106.9 mm / 4.209 inches
Depth from upper-edge of DIN-rail	33 mm / 1.299 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	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.674 MJ
Weight	31.4 g

Environmental requirements

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

Environmental Testing

Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Mounting location	Service life test, Category 1, Class A/B
Functional test with noise-like oscillations	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 of contact faults and interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like oscillations	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 testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock pulse 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

Environmental Testing

Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: 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)	12 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821372509
Customs tariff number	85365080000

Product Classification

UNSPSC	39121410
eCl@ss 10.0	27-14-11-26
eCl@ss 9.0	27-14-11-26
ETIM 9.0	EC000902
ETIM 10.0	EC000902
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 60947	71-122840 REV.1
CCA DEKRA Certification B.V.	EN 60947	NTR NL-8060
CSA CSA Group	C22.2 No. 158	1543858
cURus Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	24-0152298-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

Approvals for marine applications

Approval	Standard	Certificate Name
PRS Polski Rejestr Statków	-	TE/1094/880590/23

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2006-8671	↓

Documentation

Bid Text

2006-8671	18.04.2019	xml 4.10 KB	↓
2006-8671	17.04.2019	docx 15.53 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 2006-8671	↓

CAE data

EPLAN Data Portal 2006-8671	↓
WSCAD Universe 2006-8671	↓
ZUKEN Portal 2006-8671	↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 2006-8691
End and intermediate plate; 1 mm thick; gray

Item No.: 2006-8692
End and intermediate plate; 1 mm thick; orange

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover

Item No.: 2006-191
Lockout cap; for wire insertion and actuating opening; gray

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.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-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.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; 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.: 210-115
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

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; silver-colored

Item No.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; 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

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

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 Jumper

1.2.4.1 Jumper

Item No.: 2006-433
Jumper; from 1 to 3; insulated; light gray

Item No.: 2006-435
Jumper; from 1 to 5; insulated; light gray

1.2.5 Marking

1.2.5.1 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

1.2.5.2 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
Item No.: 793-501/000-023	Item No.: 793-501/000-017	Item No.: 793-501/000-012	Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; green	WMB marking card; as card; not stretchable; plain; snap-on type; light green	WMB marking card; as card; not stretchable; plain; snap-on type; orange	WMB marking card; as card; not stretchable; plain; snap-on type; red
Item No.: 793-501/000-024	Item No.: 793-501	Item No.: 793-501/000-002	Item No.: 2009-115/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; violet	WMB marking card; as card; not stretchable; plain; snap-on type; white	WMB marking card; as card; not stretchable; plain; snap-on type; yellow	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	Item No.: 2009-115/000-023	Item No.: 2009-115/000-017	Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

1.2.5.2 Marker

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

1.2.5.3 Marker carrier

Item No.: 2002-121
Adaptor; gray

Item No.: 2009-198
Adaptor; gray

1.2.5.4 Marking strip

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

1.2.6 Protective warning marker

1.2.6.1 Cover

Item No.: 2006-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.7 Screwless end stop

1.2.7.1 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

1.2.8 Test and measurement

1.2.8.1 Testing accessories

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

1.2.9 Tool

1.2.9.1 Operating tool

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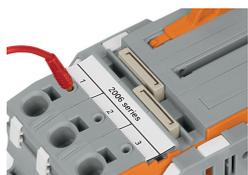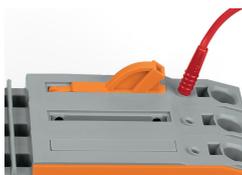
Installation Notes

Commoning

Commoning a 15 mm-wide terminal block via push-in type jumper bars: 1 to 3 (Item No. 2006-433) and 1 to 5 (Item No. 2006-435).
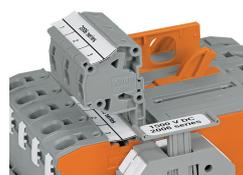
Testing

Test slots on both terminal block sides allow for direct measurement.

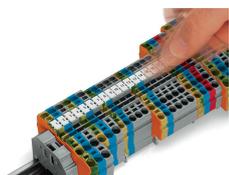Test slots on both terminal block sides allow for direct measurement.

Alternatively, measurement can also be performed using TOPJOB® S Connectors (Item No. 2006-511) from terminal block 1 to 2. Spacer modules (Item No. 2006-549) must be used to compensate for the 15 mm terminal block width.

Disconnect/test terminal block with knife disconnect (Item No. 2006-8671) in disconnect position

Marking

Snapping WMB Inline markers into marker slots.

Cover

Cover (Item No. 2006-191) seals unused conductor entry.

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

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