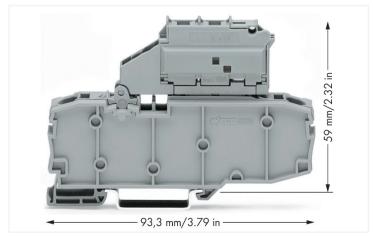
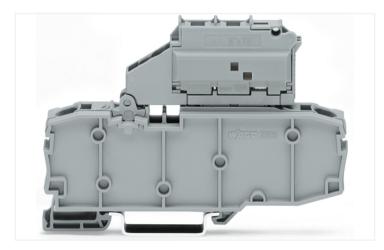
2-conductor fuse terminal block; with pivoting fuse holder; for glass cartridge fuse  $\frac{1}{4}$ " x  $\frac{1}{4}$ "; without blown fuse indication; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; Push-in CAGE CLAMP®; gray

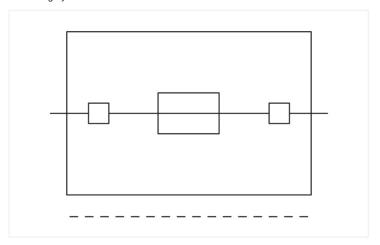


https://www.wago.com/2006-1631/099-000





Color: ■ gray



Fuse terminal block, 2006 Series, gray

This fuse terminal block (item number 2006-1631/099-000) is designed for simple and secure connections. Ensure that the strip lengths are between 13 mm and 15 mm when connecting conductors to this fuse 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. Both solid and fine-stranded conductors with ferrules can be inserted without needing to use any tools—all thanks to its pluggable design. This fuse terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm². It features one level and two clamping points for connecting a single potential. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

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 60947-	7-3	Ratings per IEC/EN – No	tes
Overvoltage category	III	III	II	Ratings (note)	Electrical ratings are given by the fuse.
Pollution degree	3	2	2		
Nominal voltage	800 V	-	-		
Rated surge voltage	8 kV	-	-		
Rated current	10 A	-	-		

https://www.wago.com/2006-1631/099-000



Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Approvals per	CS	SA 22.2 No 1	58
Use group	В	С	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Power Loss		
Power loss (max.) P <sub>I (max.)</sub> (note)	When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.	
Maximum power loss P <sub>loss</sub> of fuse insert for overload and short-circuit protection (individual arrangement)	2.5 W	
Maximum power loss P <sub>loss</sub> of fuse insert for overload and short-circuit protection (block arrangement)	2.5 W	
Power loss $P_{\rm l}$ max. short-circuit protection (individual arrangement)	2.5 W	
Power loss $P_{loss}$ (max.) of fuse cartridge for short-circuit protection (block arrangement)	2.5 W	

General information	
Fuse receptacle	pivoting
Fuse type	Cylindrical fuse; 1/4" x 11/4"

onnection data				
lamping units	2		Connection 1	
tal number of potentials	1		Connection technology	Push-in CAGE CLAMP®
umber of levels	1		Actuation type	Operating tool
umber of jumper slots	2		Connectable conductor materials	Copper
			Nominal cross-section	6 mm²
			Solid conductor	0.5 10 mm² / 20 8 AWG
			Solid conductor; push-in termination	1 10 mm² / 14 8 AWG
			Fine-stranded conductor	0.5 10 mm² / 20 8 AWG
	Fine-stranded conductor; with insulate ferrule	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 charac stic, a conductor with a smaller cross section can also be inserted via push termination.		
			Strip length	13 15 mm / 0.51 0.59 inches
			Wiring direction	Front-entry wiring

# Data Sheet | Item Number: 2006-1631/099-000 https://www.wago.com/2006-1631/099-000



Physical data		
Width	10.4 mm / 0.409 inches	
Height	96.3 mm / 3.791 inches	
Depth from upper-edge of DIN-rail	59 mm / 2.323 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	1
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.57 MJ
Weight	28.8 g

Environmental requirements				
Processing temperature	-35 +50 °C		Environmental Testing	
Continuous operating temperature -60	-60 +50 °C	-60 +50 °C	Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-0
			Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011
			Spectrum/Mounting location	Service life test, Category 1, Class A/E
			Functional test with noise-like oscillations	Test passed according to Section 8 of the standard
			Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
			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	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
			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 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

https://www.wago.com/2006-1631/099-000



### **Environmental Testing**

Extended testing: Monitoring of contact faults and interruptions

Extended testing: Voltage drop measurement before and after each axis

Passed

Vibration and shock stress for rolling

Passed

stock equipment

Commercial data	
Product Group	22 (TOPJOB S)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454821203
Customs tariff number	85369095000

Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-16
eCl@ss 9.0	27-14-11-16
ETIM 9.0	EC000899
ETIM 8.0	EC000899
ECCN	NO US CLASSIFICATION

Environmental	Product	Compliance
Liviioiiiioiita	oaaot	Compilarion

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 7925/1
CSA CSA Group	C22.2 No. 158	1543858
UR Underwriters Laboratories Inc.	UL 1059	E45172

### Declarations of conformity and manufacturer's declarations



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

### Approvals for marine applications





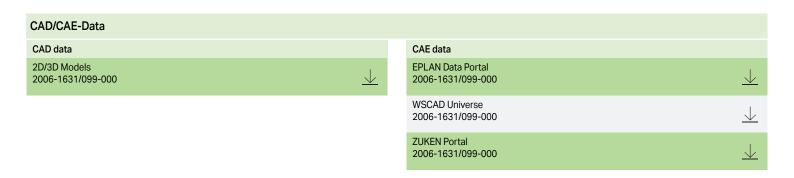
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	24-0152298-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

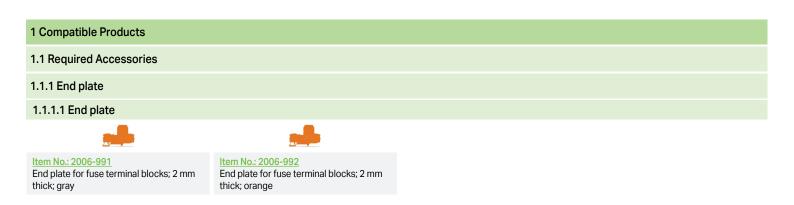
https://www.wago.com/2006-1631/099-000



# Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 2006-1631/099-000

Documentation			
Bid Text			
2006-1631/099-000	18.04.2019	xml 4.18 KB	<u>↓</u>
2006-1631/099-000	17.04.2019	docx 15.78 KB	$\underline{\downarrow}$





### 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

https://www.wago.com/2006-1631/099-000



### 1.2.2 DIN-rail

### 1.2.2.1 Mounting accessories



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



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

### 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.: 2002-433

Jumper; from 1 to 3; insulated; light gray



Item No.: 2002-435

Jumper; from 1 to 5; insulated; light gray



Item No.: 2002-437

Jumper; from 1 to 7; insulated; light gray

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

Item No.: 2002-439

Jumper; from 1 to 9; insulated; light gray



Item No.: 2002-405/011-000

Star point jumper; 3-way; insulated; light



### 1.2.5 Locking system

### 1.2.5.1 Locking system



### Item No.: 210-254

Interlocking link; mechanically locks multiple links; 1 m long; transparent

### 1.2.6 Marking

### 1.2.6.1 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

Item No.: 2009-145/000-002

plain; snap-on type; yellow

Item No.: 248-501/000-017

Item No.: 248-501

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

Mini-WSB Inline: for Smart Printer: 1700

Mini-WSB marking card; as card; not stret-

Mini-WSB marking card; as card; not stret-

WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

chable; plain; snap-on type; white

Item No.: 793-5501/000-007

Item No.: 793-5501/000-005

5.2 mm; plain; snap-on type; red

5.2 mm; plain; snap-on type; gray

chable; plain; snap-on type; light green

pieces on roll; stretchable 5 - 5.2 mm;

### 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.: 248-501/000-006

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



### Item No.: 248-501/000-012

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



### Item No.: 248-501/000-002

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



### 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.: 793-5501/000-024

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.: 793-501/000-007

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



### Item No.: 793-501/000-005

WMB marking card; as card; not stretchable; 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.: 248-501/000-007

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



### Item No.: 248-501/000-005

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



### 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.: 793-5501/000-017

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

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.: 793-501/000-023

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



### Item No.: 793-501/000-024

WMB marking card; as card; not stretchable; 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.: 248-501/000-023

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



### Item No.: 248-501/000-024

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



### Item No.: 793-5501/000-014

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; brown



# 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.: 793-5501/000-002

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.: 793-501/000-006

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



### Item No.: 793-501/000-017

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



### Item No.: 793-501

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



### Item No.: 793-501/000-012

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



### Item No.: 793-501/000-002

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

https://www.wago.com/2006-1631/099-000



### 1.2.6.1 Marker







### 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

4

### 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.: 2009-115/000-005

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

### 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; snapon type; yellow

### 1.2.6.2 Marker carrier



Item No.: 2009-198 Adaptor; gray

### 1.2.6.3 Marking strip



### Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

### 1.2.7 Screwless end stop

### 1.2.7.1 Mounting accessories





### Item No.: 249-117

Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

### Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

### 1.2.8 Test and measurement

### 1.2.8.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

https://www.wago.com/2006-1631/099-000



### 1.2.9 Tool

### 1.2.9.1 Operating tool

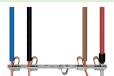


Item No.: 210-721

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

### **Installation Notes**

### 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 jum-

pers with more than five contacts.



Pivoting fuse holder with spare fuse holder

https://www.wago.com/2006-1631/099-000





Fused disconnect terminal block with a pivoting fuse holder

Pivot the fuse holder into the locked open position



Fused disconnect terminal block with a pivoting fuse holder

Fuse replacement:
Open the cover to replace the fuse



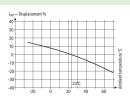
# Application Notes on Terminal Blocks for Glass Cartridge Fuses

Diagram: "Individual Arrangement"



### Application Notes on Terminal Blocks for Glass Cartridge Fuses

Diagram: "Block Arrangement"



### Application Notes on Terminal Blocks for Glass Cartridge Fuses

Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/ Part 3 (for a surrounding air temperature of 23°C).

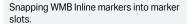
Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).

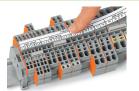


Concerning product safety, fuse cartridges must generally be tested under both normal and faulty operating conditions within your application.

### Marking







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

Current addresses can be found at::  $\underline{www.wago.com}$