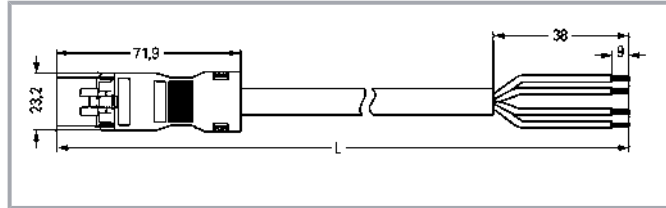


## Data sheet | Item number: 891-8994/205-103

pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B;  
Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray

[www.wago.com/891-8994\\_205-103](http://www.wago.com/891-8994_205-103)



### Item description

#### Cable assembly *WINSTA*® MINI rated current 10 A

For power and signal transmission: The *WINSTA*® MINI cable assembly B coding. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Pluggable installation connectors with B coding from the *WINSTA*® MINI line are available in grey, light grey, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Your own pole marking is possible in addition. *WINSTA*® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

#### Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are available. The *WINSTA*® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MINI pluggable installation connectors with protection against mismating from WAGO.

- protection against mismating eliminates errors
- consistent IP40 protection
- with B coding for controllers, for example lighting fixtures and sun blinds
- custom-engineered solutions

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

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Germantown, WI 53022  
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- fast, secure installation

## Data

### Notes

Note	Cables with a different fire class can be found in the eShop.
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Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .
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## Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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## IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	10 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

## Ratings per UL

Note for the US market	Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.
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## Connection data

Total number of potentials	4
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	4
Sheathed cable diameter	7.1 ... 9 mm
Wire cross-section	1 mm²

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Strip length (outer insulation)	38 mm
Connection type	Plug - Free end

## Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	1 m

## Mechanical data

Application	Control technology
Coding	B
Variable coding	No
Marking	1 2 3 4
Potential Marking	1 2 3 4
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Connection type	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	Control line 4 x 1
Protection type	IP20; IP40 when mated

## Plug-in connection

Mismating protection	Yes
Note on mismating protection	All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
Locking of plug-in connection	locking lever

## Material data

Note (material data)	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	

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	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Fire load	0.119 MJ
Connector color	gray
Printing color of mating face	black
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	No
Sheath material	PVC
Weight	89.1 g
Copper weight of the pipe	0.038 kg/m

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

## Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4050821295631
Customs tariff number VKOrg Germany	85444290900

## Counterpart

<b>Item no.890-1631</b> T-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; gray	<a href="http://www.wago.com/890-1631">www.wago.com/890-1631</a>
<b>Item no.890-1681</b> h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 2 locking levers; gray	<a href="http://www.wago.com/890-1681">www.wago.com/890-1681</a>
<b>Item no.890-244</b> Socket; 4-pole; Cod. B; 1,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/890-244">www.wago.com/890-244</a>
<b>Item no.890-1731</b> T-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; 3 locking levers; for flying leads; gray	<a href="http://www.wago.com/890-1731">www.wago.com/890-1731</a>
<b>Item no.890-1734</b> 3-way distribution connector; 4-pole; Cod. B; 1 input; 3 outputs; gray	<a href="http://www.wago.com/890-1734">www.wago.com/890-1734</a>
<b>Item no.890-1781</b>	

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h-distribution connector; 4-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray [www.wago.com/890-1781](http://www.wago.com/890-1781)

**Item no.890-744**

WINSTA® through-panel socket (female); MINI; snap-in through-panel; N/G/L2/L1 marking; 4-pole; gray [www.wago.com/890-744](http://www.wago.com/890-744)

**Item no.890-844**

Socket for PCBs; straight; 4-pole; Cod. B; gray [www.wago.com/890-844](http://www.wago.com/890-844)

**Item no.890-844/011-000**

Socket for PCBs; angled; 4-pole; Cod. B; gray [www.wago.com/890-844/011-000](http://www.wago.com/890-844/011-000)

**Required accessories****Locking levers**

## Locking system

**Item no.: 890-111**

Locking lever; for flying leads; for tool operation; black [www.wago.com/890-111](http://www.wago.com/890-111)

**Item no.: 890-101**

Locking lever; for manual operation; black [www.wago.com/890-101](http://www.wago.com/890-101)

**Item no.: 890-121**

Locking lever; for manual operation; white [www.wago.com/890-121](http://www.wago.com/890-121)

**Item no.: 890-131**

Locking lever; for flying leads; for tool operation; white [www.wago.com/890-131](http://www.wago.com/890-131)

**Optional accessories****Cover**

## Other

**Item no.: 897-2003**

Protective cap; Type2; for sockets and plugs; PVC; red [www.wago.com/897-2003](http://www.wago.com/897-2003)

**Mounting**

## Mounting accessories

**Item no.: 890-310**

Mounting carrier; 2- to 5-pole; for flying leads; black [www.wago.com/890-310](http://www.wago.com/890-310)

**Item no.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white [www.wago.com/890-311](http://www.wago.com/890-311)

**Downloads****Documentation****Bid Text**

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## CAD files

### CAE data

WSCAD Universe 891-8994/205-103	URL	Download
WSCAD Universe 891-8994/205-103	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8994/205-103 pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; gray	URL	Download
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## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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