

Data sheet | Item number: 891-8992/206-502

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A;
H05VV-F 2 x 1.5 mm²; 5 m; 1,50 mm²; white

www.wago.com/891-8992_206-502



Item description

Cable assembly **WINSTA®** MINI with protection against mismating

The **WINSTA®** MINI cable assembly with protection type IP20 provides the foundation for assembly of solid and fine-stranded conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in next to no time. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The **WINSTA®** MINI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. Due to its particularly small dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for installations when very little room is available. According to the European CPR, the fire class of the cables used for construction is critical for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. **WINSTA®** is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Enjoy the benefits 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.

- pluggable installation connectors with protection against mismating
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- quick replacement of defective units during ongoing operation

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data Notes

| | |
|------|---|
| Note | Cables with a different fire class can be found in the eShop. |
|------|---|

Electrical data

| | |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|--|

IEC Approvals

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60664-1 |
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III/3) | 4 kV |
| Rated current | 16 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. |
|------------------------|---|

Connection data

| | |
|----------------------------|---------------------------|
| Total number of potentials | 2 |
| Conductor preparation | ultrasonically tip-bonded |

Connection 1

| | |
|---------------------------------|---------------------|
| Strip length | 9 mm / 0.35 inch |
| Number of poles | 2 |
| Sheathed cable diameter | 6.8 ... 8.6 mm |
| Wire cross-section | 1.5 mm ² |
| Strip length (outer insulation) | 32 mm |
| Connection type | Plug - Free end |

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Physical data

| | |
|--------------|---------------------|
| Pin spacing | 4.4 mm / 0.173 inch |
| Total length | 5 m |

Mechanical data

| | |
|---|---|
| Application | General mains applications |
| Coding | A |
| Variable coding | No |
| Marking | L N |
| Potential Marking | L N |
| 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 | H05VV-F 2x1.5 |
| 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 | white |
| Insulation material | Polyamide (PA66) |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



| | |
|----------------------------------|------------|
| Fire load | 149.556 MJ |
| Connector color | white |
| Printing color of mating face | black |
| Strain relief color | white |
| Sheathed cable color | white |
| Printing color of sheathed cable | black |
| Halogen-free | No |
| Sheath material | PVC |
| Weight | 414.2 g |
| Copper weight of the pipe | 0.029 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 | 4055143362917 |
| Customs tariff number VKOrg Germany | 85444290900 |

Required accessories

Locking levers

| | |
|--|--|
| Locking system | |
| Item no.: 890-111 Locking lever; for flying leads; for tool operation; black | www.wago.com/890-111 |
| Item no.: 890-101 Locking lever; for manual operation; black | www.wago.com/890-101 |
| Item no.: 890-121 Locking lever; for manual operation; white | www.wago.com/890-121 |
| Item no.: 890-131 Locking lever; for flying leads; for tool operation; white | www.wago.com/890-131 |

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



WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.




Optional accessories

Mounting

| Mounting accessories | | |
|---|--|--|
|  | Item no.: 890-310 Mounting carrier; 2- to 5-pole; for flying leads; black | www.wago.com/890-310 |
|  | Item no.: 890-311 Mounting carrier; 2- to 5-pole; for flying leads; white | www.wago.com/890-311 |

Cover

| Other | | |
|---|--|--|
|  | Item no.: 897-2001 Protective cap; Type1; for sockets and plugs; PVC; red | www.wago.com/897-2001 |

Downloads

Documentation

Bid Text

| | | | |
|---------------------------------|-------------|----------------|----------|
| 891-8992/206-502 X81 - Datei | 2019 Feb 19 | xml 3.1 kB | Download |
| 891-8992/206-502 doc - Datei | 2014 Nov 21 | doc 25.6 kB | Download |

CAD files

CAE data

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8992/206-502 | URL | Download |
| WSCAD Universe 891-8992/206-502 | URL | Download |

Environmental Product Compliance

Compliance Search

| | | |
|--|-----|----------|
| Environmental Product Compliance 891-8992/206-502 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.5 mm ² ; 5 m; 1,50 mm ² ; white | URL | Download |
|--|-----|----------|

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.