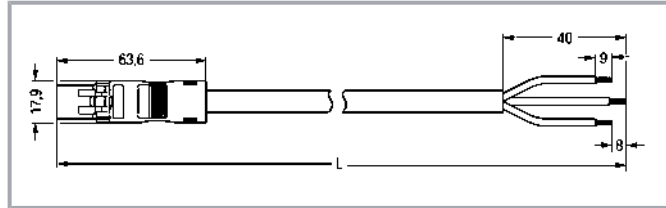


Data sheet | Item number: 891-8993/216-502

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A;
H05Z1Z1-F 3G 1.5 mm²; 5 m; 1,50 mm²; white

www.wago.com/891-8993_216-502



Item description

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

The **WINSTA®** MINI cable assembly with protection against mismating supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in numerous applications. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of **WINSTA®** MINI pluggable installation connectors, you can clearly distinguish different circuits. If only limited space is available, our smallest pluggable connection system, **WINSTA®** MINI, conveniently displays its advantageous properties. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the installation is low-maintenance and can be performed without screw connections. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to climate protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The **WINSTA®** Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Choose quality and durability – the **WINSTA®** MINI pluggable installation connector with protection against mismating from WAGO makes the installation of electrical components visibly easier.

- effective protection against mismating
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications
- ready for immediate use

—
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

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- fast, secure installation

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 | 3 |
| PE function | Preceding PE contact |
| Conductor preparation | ultrasonically tip-bonded |

Connection 1

| | |
|---------------------------------|---------------------|
| Strip length | 9 mm / 0.35 inch |
| Number of poles | 3 |
| Sheathed cable diameter | 7.4 ... 9.4 mm |
| Wire cross-section | 1.5 mm ² |
| Strip length (outer insulation) | 40 mm |

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| | |
|-----------------|-----------------|
| Connection type | Plug - Free end |
|-----------------|-----------------|

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 \perp N |
| Potential Marking | L \perp 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 | H05Z1Z1-F 3G1.5 |
| 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} |

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

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| | |
|----------------------------------|---|
| Contact material | Copper or copper alloy; surface-treated |
| Fire load | 149.818 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 | Yes |
| Sheath material | Halogen-free |
| Weight | 494 g |
| Copper weight of the pipe | 0.043 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 | 4055143521024 |
| Customs tariff number VKOrg Germany | 85444290900 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | NTR NL-7823 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61535 | 71-112995 |

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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 |

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

| | | | |
|------------------|-------------|---------|----------|
| 891-8993/216-502 | 2019 Feb 19 | xml | Download |
| X81 - Datei | | 3.1 kB | |
| 891-8993/216-502 | 2014 Nov 26 | doc | Download |
| doc - Datei | | 26.1 kB | |

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CAD files

CAD data

| | | |
|-------------------------------|-----|----------|
| 2D/3D Models 891-8993/216-502 | URL | Download |
|-------------------------------|-----|----------|

CAE data

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/216-502 | URL | Download |
|---------------------------------|-----|----------|

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/216-502 | URL | Download |
|---------------------------------|-----|----------|

| | | |
|-------------------------------|-----|----------|
| ZUKEN Portal 891-8993/216-502 | URL | Download |
|-------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

| | | |
|--|-----|----------|
| Environmental Product Compliance 891-8993/216-502 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm ² ; 5 m; 1,50 mm ² ; white | URL | Download |
|--|-----|----------|

Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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