

Data sheet | Item number: 891-8993/016-801

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A;
H05Z1Z1-F 3G 1.5 mm²; 8 m; 1,50 mm²; black

www.wago.com/891-8993_016-801



Item description

Cable assembly *WINSTA*® MINI 3-pole

The *WINSTA*® MINI cable assembly with protection against mismatching provides the foundation for installation of solid and fine-stranded conductors. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow flexible, error-free installation in a large number of possible uses. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. Standard mains applications for almost any domain of use can be implemented with *WINSTA*® MINI pluggable installation connectors with A coding. Thanks to its particularly minimal dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very tight spaces, i.e., for connections when very little room is available. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable. In the manufacturing of this cable assembly, halogens were deliberately omitted. This is an important contribution to climate protection.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The *WINSTA*® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly 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 mismatching from WAGO.

- protection against mismatching eliminates errors
- consistent IP40 protection
- for any mains application
- custom-engineered solutions

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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

| | |
|-------------------------|---------------------|
| Number of poles | 3 |
| Sheathed cable diameter | 7.4 ... 9.4 mm |
| Wire cross-section | 1.5 mm ² |
| Connection type | Socket - Plug |

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Physical data

| | |
|--------------|---------------------|
| Pin spacing | 4.4 mm / 0.173 inch |
| Total length | 8 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 | Socket - Plug |
| Type of pre-assembled cable | Interconnecting 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 | black |
| Insulation material | Polyamide (PA66) |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |
| Fire load | 239.328 MJ |

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| | |
|----------------------------------|--------------|
| Connector color | black |
| Printing color of mating face | white |
| Strain relief color | black |
| Sheathed cable color | black |
| Printing color of sheathed cable | white |
| Halogen-free | Yes |
| Sheath material | Halogen-free |
| Weight | 792.4 g |
| Copper weight of the pipe | 0.043 kg/m |

Environmental requirements



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|--|---|
| 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 | 4055143397520 |
| 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 |

Required accessories

Locking levers

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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

| | | | |
|---------------------------------|-------------|----------------|----------|
| 891-8993/016-801 X81 - Datei | 2019 Feb 19 | xml 3.0 kB | Download |
| 891-8993/016-801 doc - Datei | 2014 Nov 26 | doc 24.6 kB | Download |

CAD files

CAE data

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/016-801 | URL | Download |
|---------------------------------|-----|----------|

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|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/016-801 | URL | Download |
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Environmental Product Compliance

Compliance Search

| | | |
|--|-----|----------|
| Environmental Product Compliance 891-8993/016-801 | URL | Download |
| pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 8 m; 1,50 mm²; black | | |

Installation Notes

Product family

WINSTA® MINI
[Show all products from the family](#)

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