

Data sheet | Item number: 891-8993/006-702

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A;
H05VV-F 3G 1.5 mm²; 7 m; 1,50 mm²; white

www.wago.com/891-8993_006-702



Item description

Cable assembly *WINSTA*® MINI A coding

The *WINSTA*® MINI cable assembly 3-pole is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in numerous applications. 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 black or white 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 specifically 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 essential for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped 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, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also lower installation expenses without compromising safety and quality: The *WINSTA*® MINI pluggable installation connector with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- suitable for any 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 | 7 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 | H05VV-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

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|-------------------------|--|
| 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 |
| Fire load | 209.603 MJ |

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| | |
|----------------------------------|------------|
| 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 | 709.7 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 | 4055143396837 |
| 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

Cover

Other



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

Mounting

Mounting accessories

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|---|--|
| 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 |

Downloads

Documentation

Bid Text

| | | | |
|---------------------------------|-------------|----------------|----------|
| 891-8993/006-702 X81 - Datei | 2019 Feb 19 | xml 3.0 kB | Download |
| 891-8993/006-702 doc - Datei | 2014 Nov 26 | doc 23.6 kB | Download |

CAD files

CAE data

| | | |
|---------------------------------|-----|----------|
| WSCAD Universe 891-8993/006-702 | URL | Download |
|---------------------------------|-----|----------|

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Environmental Product Compliance

Compliance Search

| | | |
|---|-----|----------|
| Environmental Product Compliance 891-8993/006-702 | URL | Download |
| pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 7 m; 1,50 mm²; white | | |

Installation Notes

Product family

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

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