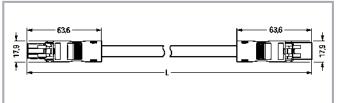
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 1 m; 1,50 mm²; black



www.wago.com/891-8993_016-101





Item description

Cable assembly WINSTA® MINI with protection against mismating

The WINSTA® MINI cable assembly 3-pole allows installation of fine-stranded and solid conductors. 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 protection 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. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since due to LED technology, 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 building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable assembly is equipped with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – the WINSTA® MINI pluggable installation connector with protection against mismating from WAGO makes the electrical installation of electrical components substantially easier.

- protection against mismating eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- for any mains application
- ready for immediate use
- quick replacement of defective units during ongoing operation

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

WAGO Corporation Germantown, WI 53022

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Data Notes

Note

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

Electrical data

Note on contact resistance approx. 1 m Ω of contact resistance

approx. $0.25~\text{m}\Omega$ 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 mm² |
| Connection type | Socket - Plug |

Physical data

Pin spacing 4.4 mm / 0.173 inch

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

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| Total length | 1 m | |
|--------------|-----|--|
|--------------|-----|--|

Mechanical data

| General mains applications | |
|-----------------------------------------------------------|--|
| A | |
| No | |
| L ‡ N | |
| L ‡ N | |
| approx. 20 70 N (depending on pole number) | |
| when locked: > 80N | |
| when unlocked: approx. 20 70 N (depending on pole number) | |
| 200, without resistive load | |
| Socket - Plug | |
| Interconnecting cable | |
| H05Z1Z1-F 3G1.5 | |
| 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 | 29.328 MJ | |
| Connector color | black | |
| Printing color of mating face | white | |

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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| Strain relief color | black |
|----------------------------------|--------------|
| Sheathed cable color | black |
| Printing color of sheathed cable | white |
| Halogen-free | Yes |
| Sheath material | Halogen-free |
| Weight | 109.9 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 |

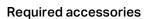
Commercial data

| PU (SPU) | 1 Stück |
|-------------------------------------|---------------|
| Packaging type | unpacked |
| Country of origin VKOrg Germany | PL |
| GTIN | 4055143397421 |
| Customs tariff number VKOrg Germany | 8544429090 |

Approvals / Certificates

Country specific Approvals

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



Locking levers

Locking system

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

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| 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

| | | | | - | | |
|-----|---|---|---|----|---|---|
| R A | _ | | - | +i | n | ~ |
| м | U | u | ı | u | и | u |

| 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 | www.wago.com/890-311 | | |
| | Mounting carrier; 2- to 5-pole; for flying leads; white | | | |
| Cover | | | | |
| Other | | | | |



Item no.: 897-2001

Protective cap; Type1; for sockets and plugs; PVC; red

www.wago.com/897-2001

Downloads Documentation

Bid Text

| 891-8993/016-101 X81 - Datei | 2019 Feb 19 | xml 3.0 kB | Download |
|---------------------------------|-------------|----------------|----------|
| 891-8993/016-101 doc - Datei | 2014 Nov 26 | doc 24.6 kB | Download |

CAD files

CAE data

| WSCAD Universe 891-8993/016-101 | URL | Download |
|----------------------------------------------------------------------------|-----|----------|
| WSCAD Universe 891-8993/016-101 | URL | Download |
| Subject to changes. Please also observe the further product documentation! | | |

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/016-101 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 1 m; 1,50 mm²; black

URL

Download

Installation Notes

Product family

WINSTA® MINI

Show all products from the family

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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