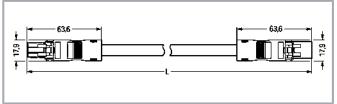
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 6 m; 1,50 mm²; black



www.wago.com/891-8993\_016-601





#### Item description

#### Cable assembly WINSTA® MINI with protection type IP20

The WINSTA® MINI cable assembly 3-pole is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a specified grid, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. Standard mains applications for almost any domain of use can be implemented with WINSTA® MINI pluggable installation connectors with A coding. 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 tight spaces, i.e., for installations when very little room is available. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. 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 assembly is provided with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose quality and durability – the WINSTA® MINI pluggable installation connector with strain relief hosting from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismating
- consistent IP40 protection
- suitable for any application
- custom-engineered solutions
- 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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Email: info.us@wago.com | Web: www.wago.us

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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 $\Omega$  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 - Plua |

## Physical data

| Pin spacing | 4.4 mm / 0.173 inch |
|-------------|---------------------|
|-------------|---------------------|

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| Total length 6 r | m |
|------------------|---|
|------------------|---|

## Mechanical data

| Application                             | General mains applications                                |
|---|---|
| Coding                                  | А   |
| Variable coding                         | No  |
| Marking                                 | L <del>↓</del> 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                         | 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 <sub>ca</sub>                                |
| Contact material              | Copper or copper alloy; surface-treated        |
| Fire load                     | 179.328 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                           | 597.4 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)<br>Insulating parts for temperatures ≤ 105 °C |

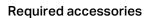
## Commercial data

| PU (SPU)                            | 1 Stück       |
|-------------------------------------|---------------|
| Packaging type                      | unpacked      |
| Country of origin VKOrg Germany     | PL            |
| GTIN                                | 4055143397506 |
| Customs tariff number VKOrg Germany | 85444290900   |

# Approvals / Certificates

## **Country specific Approvals**

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



Locking levers

Locking system

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

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| Item no.: 890-111<br>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

| Cove | r |
|------|---|
|      |   |

Other



Item no.: 897-2001

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

www.wago.com/897-2001

| М | 0 | uı | nt | ir | ıg |  |
|---|---|----|----|----|----|--|
|   |   |    |    |    |    |  |

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

# Downloads

## Documentation

# **Bid Text**

| 891-8993/016-601<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB  | Download |
|---------------------------------|-------------|----------------|----------|
| 891-8993/016-601<br>doc - Datei | 2014 Nov 26 | doc<br>24.6 kB | Download |

## **CAD files**

#### **CAE** data

| WSCAD Universe 891-8993/016-601  | URL | Download |
|--|-----|----------|
| WSCAD Universe 891-8993/016-601  | URL | Download |
| Subject to changes. Please also observe the further product documentation! |     |          |

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# **Environmental Product Compliance**

3G 1.5 mm<sup>2</sup>; 6 m; 1,50 mm<sup>2</sup>; black

Compliance Search

Environmental Product Compliance 891-8993/016-601 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F

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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