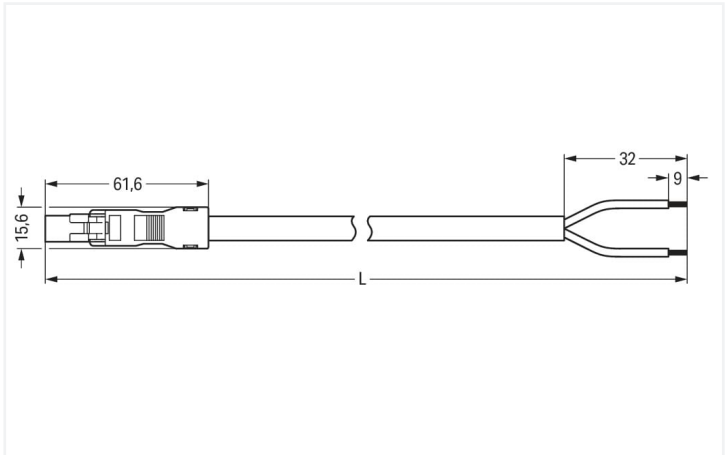




Color: ■ blue



Dimensions in mm

Cable assembly WAGOSTA® MINI with strain relief

The WAGOSTA® MINI cable assembly with protection against mismatching is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in numerous possible uses. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. I coding in blue is used to identify WAGOSTA® MI-NI pluggable installation connectors, which are used above all in automation of buildings for activating lighting. WAGOSTA® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology. According to the European CPR, the fire class of the cables used for construction is decisive for building safety, too. For buildings with average safety requirements, cable assemblies with fire class E are suitable.

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

The cable assembly is provided with a plug and a free end. The WAGOSTA® 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 assembly times and installation errors at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- protection against mismatching eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- for intelligent, easy lighting installation
- custom-engineered solutions
- convenient installation and commissioning

| Notes |                                                               |
|-------|---------------------------------------------------------------|
| Note  | Cables with a different fire class can be found in the eShop. |

| Electrical data      |  |                |     |    | General information                             |  |
|----------------------|--|----------------|-----|----|-------------------------------------------------|--|
| Ratings per          |  | IEC/EN 60664-1 |     |    | Note on contact resistance                      |  |
| Overvoltage category |  | III            | III | II | approx. 1 mΩ of contact resistance              |  |
| Pollution degree     |  | 3              | 2   | 2  | approx. 0.25 mΩ contact transition plug/ socket |  |
| Nominal voltage      |  | 250 V          | -   | -  |                                                 |  |
| Rated surge voltage  |  | 4 kV           | -   | -  |                                                 |  |
| Rated current        |  | 16 A           | -   | -  |                                                 |  |



| Connection data                 |                           |                     |
|---------------------------------|---------------------------|---------------------|
| Total number of potentials      | 2                         | <b>Connection 1</b> |
| Conductor preparation           | ultrasonically tip-bonded |                     |
| Strip length                    | 9 mm / 0.35 inches        |                     |
| Pole number                     | 2                         |                     |
| Wire cross-section              | 1.5 mm²                   |                     |
| Strip length (outer insulation) | 32 mm                     |                     |
| Connection type                 | Plug - free end           |                     |

| Physical data |                        |  |
|---------------|------------------------|--|
| Pin spacing   | 4.4 mm / 0.173 inches  |  |
| Width         | 15.6 mm / 0.614 inches |  |
| Height        | 13.2 mm / 0.52 inches  |  |
| Total length  | 7 m                    |  |

| Mechanical data                         |                                                               |  |
|-----------------------------------------|---------------------------------------------------------------|--|
| Use                                     | DALI, Lighting Management                                     |  |
| Coding                                  | I                                                             |  |
| Variable coding                         | No                                                            |  |
| Marking                                 | + -                                                           |  |
| Potential marking                       | + -                                                           |  |
| 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                              | H05VV-F 2x1.5                                                 |  |
| 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:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole                                                                                                |  |
| Locking lever                 | Can be retrofitted                                                                                                                                                                                                                                                                                               |  |
| Locking of plug-in connection | Locking lever                                                                                                                                                                                                                                                                                                    |  |
| Note on locking system        | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |  |

| Material data                      |                                                                          |  |
|------------------------------------|--------------------------------------------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |  |
| Color                              | blue                                                                     |  |
| Insulation material (main housing) | Polyamide (PA66)                                                         |  |
| Fire class per EN 50575            | E <sub>ca</sub>                                                          |  |
| Contact material                   | Copper or copper alloy; surface-treated                                  |  |
| Contact Plating                    | Tin                                                                      |  |
| Fire load                          | 209.664 MJ                                                               |  |
| Connector color                    | blue                                                                     |  |
| Strain relief color                | white                                                                    |  |



| Material data                    |            |
|----------------------------------|------------|
| Sheathed cable color             | white      |
| Printing color of sheathed cable | black      |
| Halogen-free                     | No         |
| Silicon-free                     | Yes        |
| Sheath material                  | PVC        |
| Rubber cable                     | No         |
| Weight                           | 578.3 g    |
| Copper weight of the pipe        | 0.029 kg/m |

| Environmental requirements               |                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Processing temperature                   | -5 ... +40 °C                                                                                         |
| Continuous operating temperature         | -35 ... +85 °C                                                                                        |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-04   |
| eCl@ss 9.0            | 27-44-06-04   |
| ETIM 9.0              | EC002587      |
| ETIM 8.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | PL            |
| GTIN                  | 4055143362702 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                     |          |                                                            |
|--------------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                            |          | Declarations of conformity and manufacturer's declarations |
| <div><div><div>CCA</div><div>KEMA<br/>KEUR</div></div></div> |          |                                                            |
| Approval                                                     | Standard | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                              | EN 61535 | NTR NL-7971                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                        | EN 61535 | 71-123232                                                  |
| Approval                                                     | Standard | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG      | -        | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG      | -        | -                                                          |



Downloads

Environmental Product Compliance

|                                  |  |  |   |
|----------------------------------|--|--|---|
| Compliance Search                |  |  |   |
| Environmental Product Compliance |  |  | ↓ |
| 891-8982/206-702                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 891-8982/206-702 | 19.02.2019 | xml<br>3.05 KB  | ↓ |
| 891-8982/206-702 | 24.11.2014 | doc<br>24.50 KB | ↓ |

CAD/CAE-Data

|                  |   |
|------------------|---|
| CAE data         |   |
| WSCAD Universe   | ↓ |
| 891-8982/206-702 |   |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)  
Locking lever; for manual operation; black



[Item No.: 890-121](#)  
Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 897-2001](#)  
Protective cap; Type1; for sockets and plugs; PVC; red



1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 890-310](#)  
Mounting carrier; 2- to 5-pole; for flying leads; black

[Item No.: 890-311](#)  
Mounting carrier; 2- to 5-pole; for flying leads; white