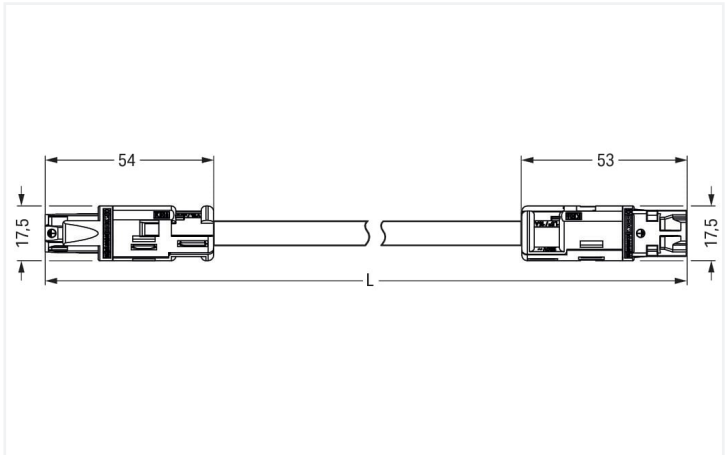




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® RD with strain relief

The WINSTA® RD cable assembly 3-pole is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is especially suitable for high power loads. The WINSTA® RD offers a round design that is perfect for installation in conduits with an inner diameter of 20 mm, for example in construction of prefabricated houses. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a plug are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- pluggable installation connectors with protection against mismatching
- saves time, since no wiring is required at the construction site
- with A coding for use in many general mains applications
- ready to install and use immediately
- convenient installation and commissioning

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

| Electrical data      |       |                |    |  |                            |                                                                                          |
|----------------------|-------|----------------|----|--|----------------------------|------------------------------------------------------------------------------------------|
| Ratings per          |       | IEC/EN 60664-1 |    |  | General information        |                                                                                          |
| Overvoltage category | III   | III            | II |  | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
| Pollution degree     | 3     | 2              | 2  |  |                            |                                                                                          |
| Nominal voltage      | 250 V | -              | -  |  |                            |                                                                                          |
| Rated surge voltage  | 4 kV  | -              | -  |  |                            |                                                                                          |
| Rated current        | 20 A  | -              | -  |  |                            |                                                                                          |



| Connection data                         |                                                                                                                                                                                                  |                         |                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|
| Total number of potentials              | 3                                                                                                                                                                                                | <b>Connection 1</b>     |                 |
| PE function                             | Preceding PE contact                                                                                                                                                                             |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
|                                         |                                                                                                                                                                                                  | Pole number             | 3               |
|                                         |                                                                                                                                                                                                  | Sheathed cable diameter | 9.2 ... 11.4 mm |
|                                         |                                                                                                                                                                                                  | Wire cross-section      | 2.5 mm²         |
|                                         |                                                                                                                                                                                                  | Connection type         | Socket - Plug   |
|                                         |                                                                                                                                                                                                  |                         |                 |
| Physical data                           |                                                                                                                                                                                                  |                         |                 |
| Width                                   | 17.5 mm / 0.689 inches                                                                                                                                                                           |                         |                 |
| Height                                  | 17.5 mm / 0.689 inches                                                                                                                                                                           |                         |                 |
| Total length                            | 1 m                                                                                                                                                                                              |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
| Mechanical data                         |                                                                                                                                                                                                  |                         |                 |
| Application                             | General mains applications                                                                                                                                                                       |                         |                 |
| Coding                                  | A                                                                                                                                                                                                |                         |                 |
| Variable coding                         | No                                                                                                                                                                                               |                         |                 |
| Marking                                 | L N                                                                                                                                                                                              |                         |                 |
| Mating force of a plug-in connection    | Approx. 30 ... 70 N (depending on pole number)                                                                                                                                                   |                         |                 |
| Retention force of a plug-in connection | when locked: > 80N                                                                                                                                                                               |                         |                 |
| Unmating force of a plug-in connection  | Unlocked: approx. 30 ... 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 3G2.5                                                                                                                                                                                    |                         |                 |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)                                                                                    |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
| 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 incorrectly rotated<br>c.) plugging while laterally staggered |                         |                 |
| Locking of plug-in connection           | Locking lever                                                                                                                                                                                    |                         |                 |
|                                         |                                                                                                                                                                                                  |                         |                 |
| Material data                           |                                                                                                                                                                                                  |                         |                 |
| Note (material data)                    | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>                                                                           |                         |                 |
| Color                                   | black                                                                                                                                                                                            |                         |                 |
| Insulation material                     | Polyamide (PA66)                                                                                                                                                                                 |                         |                 |
| Fire class per EN 50575                 | E <sub>ca</sub>                                                                                                                                                                                  |                         |                 |
| Contact material                        | Copper or copper alloy; surface-treated                                                                                                                                                          |                         |                 |
| Contact plating                         | Tin                                                                                                                                                                                              |                         |                 |
| Fire load                               | 28.82 MJ                                                                                                                                                                                         |                         |                 |
| Connector color                         | black                                                                                                                                                                                            |                         |                 |
| Strain relief color                     | black                                                                                                                                                                                            |                         |                 |
| Sheathed cable color                    | black                                                                                                                                                                                            |                         |                 |
| Printing color of sheathed cable        | white                                                                                                                                                                                            |                         |                 |
| Halogen-free                            | No                                                                                                                                                                                               |                         |                 |
| Silicon-free                            | Yes                                                                                                                                                                                              |                         |                 |
| Sheath material                         | PVC                                                                                                                                                                                              |                         |                 |
| Rubber cable                            | No                                                                                                                                                                                               |                         |                 |
| Weight                                  | 166.6 g                                                                                                                                                                                          |                         |                 |



| Material data             |  |            |
|---------------------------|--|------------|
| Copper weight of the pipe |  | 0.072 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 8.0              |  | EC002587      |
| ETIM 7.0              |  | EC002587      |
| PU (SPU)              |  | 1 pcs         |
| Packaging type        |  | unpacked      |
| Country of origin     |  | DE            |
| GTIN                  |  | 4045454320645 |
| 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>CCA CCA</div><div><div>KEMA</div><div>KEUR</div></div><div><div>KEMA</div><div>KEUR</div></div><div><div>KEMA</div><div>KEUR</div></div></div> |          |                  | Approval                                                   | Standard | Certificate Name |
| Approval                                                                                                                                                 | Standard | Certificate Name | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.                                                                                                                          | EN 61535 | NTR NL-7969      | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.                                                                                                                          | EN 61984 | NTR NL-7848      |                                                            |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                    | EN 61535 | 71-123229        |                                                            |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                    | EN 61984 | 71-114944        |                                                            |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                    | -        | 2118353.01       |                                                            |          |                  |



|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Downloads                        |                  |  |  |
| Environmental Product Compliance |                  |  |  |
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 774-9993/007-101 |  |  |
|                                  |                  |  |  |

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| Documentation    |            |                 |  |
| Bid Text         |            |                 |  |
| 774-9993/007-101 | 19.02.2019 | xml<br>2.95 KB  |  |
| 774-9993/007-101 | 08.01.2015 | doc<br>23.00 KB |  |

|                   |                  |  |  |
|-------------------|------------------|--|--|
| CAD/CAE-Data      |                  |  |  |
| CAE data          |                  |  |  |
| EPLAN Data Portal | 774-9993/007-101 |  |  |
|                   |                  |  |  |
| WSCAD Universe    | 774-9993/007-101 |  |  |
|                   |                  |  |  |