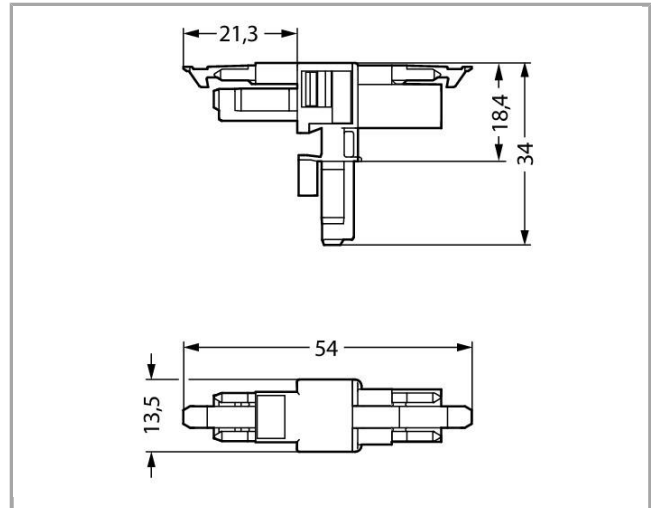




### Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing

### Note:

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).

**Safety information 1:**

Application note for the U.S. market (USR): 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.

**Data****Electrical data**

Note on Contact Resistance

approx. 1 mΩ contact resistance

approx. 0.25 mΩ contact transition plug/socket

**Ratings per IEC/EN 60664-1**

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 250 V |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated current                   | 16 A  |

**Approvals per UL 1977**

|                                                 |       |
|-------------------------------------------------|-------|
| Rated voltage per UL 1977 (factory wiring only) | 600 V |
| Rated current per UL 1977 (factory wiring only) | 14 A  |

**Connection data**

|                            |   |
|----------------------------|---|
| No. of poles               | 2 |
| Total number of potentials | 2 |

**Geometrical Data**

|             |                       |
|-------------|-----------------------|
| Pin spacing | 4.4 mm / 0.173 inch   |
| Width       | 13.5 mm / 0.531 inch  |
| Height      | 39.65 mm / 1.561 inch |
| Depth       | 53.9 mm / 2.122 inch  |

**Mechanical data**

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Coding                                  | A                                                             |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)                |
| Retention force of a plug-in connection | When locked: > 80 N                                           |
| 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

100, with resistive load  $I_N = 16A$ , tested (1.5mm<sup>2</sup>/AWG 16)

|                                |                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| Type of distribution connector | T-distribution connector                                                                                      |
| Marking                        | L N                                                                                                           |
| Protection class               | IP20                                                                                                          |
| Note on protection class       | Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.) |
| Potential marking              | L N                                                                                                           |

### Plug connection

|                                    |               |
|------------------------------------|---------------|
| Contact type (pluggable connector) | Socket/plug   |
| Mismating protection               | Yes           |
| Locking of plug-in connection      | locking lever |
| Locking lever                      | yes           |

### Material Data

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Color                       | light gray                              |
| Insulating material         | Polyamide 66 (PA 66)                    |
| Flammability class per UL94 | V0                                      |
| Contact material            | Copper or copper alloy, surface-treated |
| Fire load                   | 0.126 MJ                                |
| Weight                      | 5.986 g                                 |

### Environmental Requirements

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Surrounding air (operating) temperature | -35 ... 85 °C                                   |
| Processing temperature                  | -5 ... +40 °C                                   |
| Continuous operating temperature        | -35 ... +85 °C                                  |
| Note on Continuous Service Temperature  | Insulating parts for temperatures $\leq 105$ °C |

### Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 20 (WINSTA)   |
| Country of origin  | DE            |
| GTIN               | 4045454547653 |
| Customs Tariff No. | 85366990990   |

### Approvals / Certificates

#### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|

|                                                                                  |                                 |           |            |
|----------------------------------------------------------------------------------|---------------------------------|-----------|------------|
|                                                                                  | CCA<br>DEKRA Certification B.V. | IEC 61535 | NL-49482   |
|  | CCA<br>DEKRA Certification B.V. | EN 61535  | 71-102984  |
|  | CCA<br>DEKRA Certification B.V. | EN 61535  | 2182129.01 |
|                                                                                  | CCA<br>DEKRA Certification B.V. | IEC 61535 | NL-35632   |

#### Ship Approvals

| Logo                                                                               | Approval                                         | Additional Approval Text | Certificate name         |
|------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------|
|    | ABS<br>American Bureau of Shipping               | Steel Vessel Rules       | 14-<br>HG1241513-<br>PDA |
|   | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6               |
|  | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6               |

#### UL-Approvals

| Logo                                                                               | Approval                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Germany GmbH | UL 1977                  | E45171           |
|  | UL<br>UL International Germany GmbH | UL 1977                  | E45171           |

#### Downloads

##### Documentation

##### Bid Text

|          |             |     |          |
|----------|-------------|-----|----------|
| 890-1656 | Apr 4, 2012 | doc | Download |
|----------|-------------|-----|----------|



WINSTA MINI 2-polig

23.0 kB

CAD/CAE - Smart Data

CAD data

|                      |     |          |
|----------------------|-----|----------|
| 3D Download 890-1656 | URL | Download |
|----------------------|-----|----------|

Subject to changes.