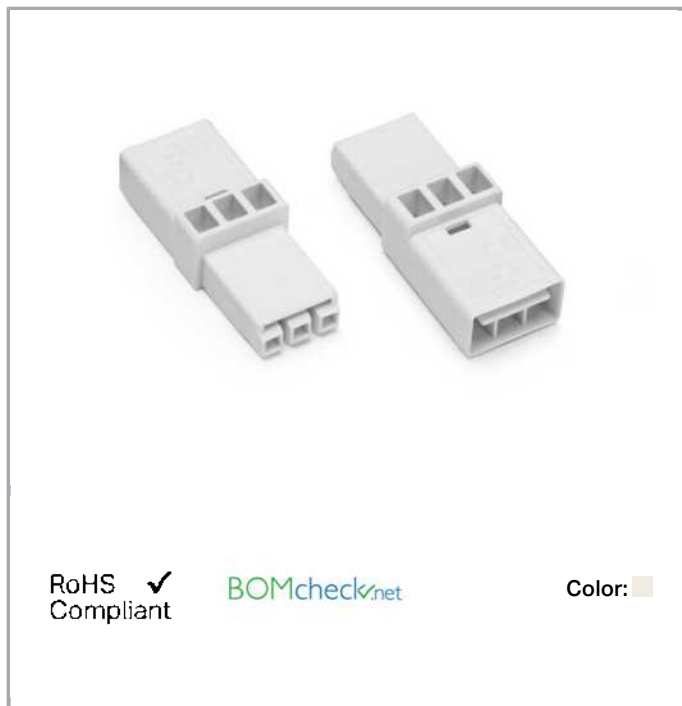


Data sheet | Item number: 890-653

Intermediate coupler; 3-pole; Cod. A; for sockets and plugs; white

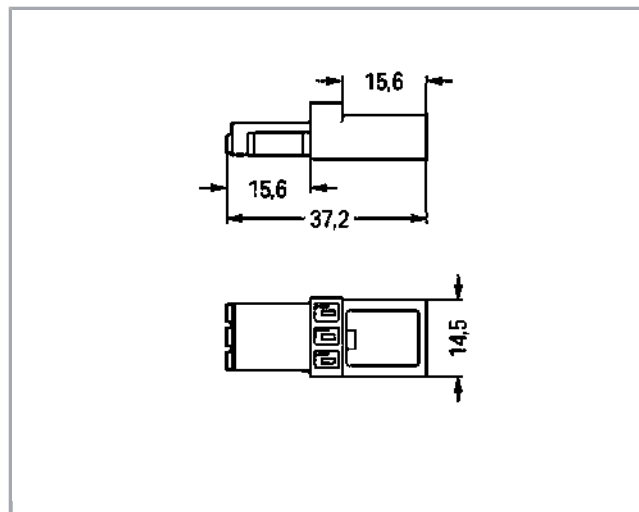
www.wago.com/890-653



RoHS Compliant

BOMcheck.net

Color:



Item description

- Protected against mismatching and maintenance-free
- 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).

Note:

At least one snap-in connector **without** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

Note on mismatching protection:

All WINSTA[®] components are 100% protected against mismatching when:

- plugging different numbers of poles
- plugging while rotated 180
- plugging while laterally staggered
- plugging one pole

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

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

**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 of contact resistance approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|---|

Ratings per IEC/EN 60664-1

| 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 |

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 | 3 |
| Total number of potentials | 3 |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 4,4 mm / 0.173 inch |
| Width | 14,5 mm / 0.571 inch |
| Height | 10,5 mm / 0.413 inch |
| Depth | 37,2 mm / 1.465 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 |

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

100, with resistive load $I_N = 16$ A, tested (1.5mm²/AWG 16)

| | |
|--------------------------------|----------------------------|
| Type of distribution connector | Intermediate coupler |
| Protection class | IP20 |
| Note on protection class | IP40 when mated |
| Application | General mains applications |

Plug connection

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

Material Data

| | |
|---------------------|--|
| Color | white |
| Insulating material | Polyamide 66 (PA 66) |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 0.059 MJ |
| Weight | 3.5 g |

Environmental Requirements

| | |
|--|--|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on Continuous Service Temperature | Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|--------------------|---------------|
| Product Group | 20 (WINSTA) |
| Packaging type | BOX |
| Country of origin | PL |
| GTIN | 4050821295457 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates


Country specific Approvals

Certificate



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

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| Logo | Approval | Additional Approval Text | name |
|--|--|--------------------------|---------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 71- 102984 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | Steel Vessel Rules | 19- HG1869855- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|--|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 |

Counterpart

Downloads

Documentation

Bid Text

| | | | |
|-----------------------------|--------------|----------------|----------|
| 890-653 doc - Datei | Nov 30, 2018 | doc 24.1 kB | Download |
| 890-653 GAEB X81 - Datei | Feb 19, 2019 | xml 2.8 kB | Download |

CAD/CAE-Data

CAD data

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

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2D/3D Models 890-653

[URL](#)

[Download](#)

CAE data

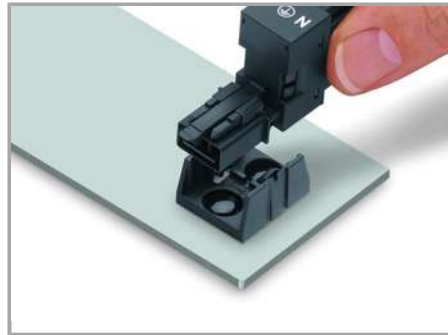
WSCAD Universe 890-653

[URL](#)

[Download](#)

Installation Notes

Installation



Secure the mounting plate via pins.

Product family

<i>WINSTA</i>® MINI

[Show all products from the family](#)

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