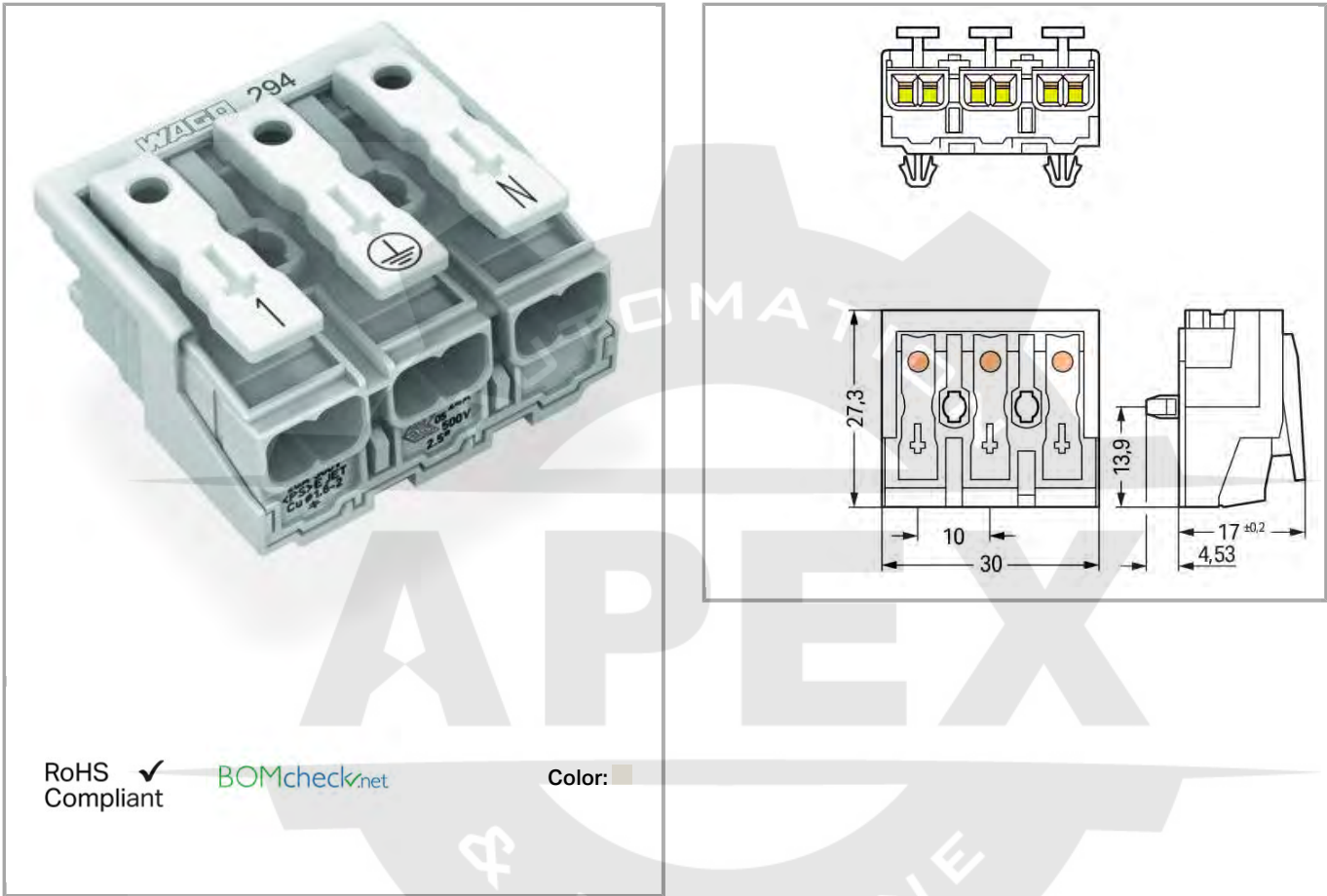


Data sheet | Item number: 294-5053



Lighting connector; push-button, external; without ground contact; 3-pole;
Lighting side: for all conductor types; Inst. side: for solid conductors; max.
2.5 mm²; Ambient temperature: max. 85 °C (T85)

294-5053



RoHS ☒ Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

Item description

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)
- Third contact at bottom
- Strain relief plate can be retrofitted

Data

Electrical data

Ratings per IEC/EN 60664-1

| Ratings note | Connection points |
|------------------------|-------------------|
| Rated voltage (II / 2) | 500 V |



| | |
|----------------------------------|-------------------|
| Rated impulse voltage (II / 2) | 4 kV |
| Rated current | 24 A |
| Ratings according to 2 | IEC/EN 60998-2-2 |
| Ratings note 2 | Connection points |
| Rated voltage (II / 2) 2 | 500 V |
| Rated impulse voltage (II / 2) 2 | 4 kV |
| Rated current (2) | 24 A |
| Rated current (3) | 16 A |

Connection data

| | |
|---|---|
| Connection type (1) | External 1 |
| Connection technology | Push-in CAGE CLAMP® |
| Number of connection points (connection type) | 2 |
| Actuation type | Operating tool Push-button |
| Connectable conductor materials | Copper |
| Solid conductor | 0.5 ... 2.5 mm² / 18 ... 12 AWG |
| Solid conductor, push-in termination | 0.5 ... 2.5 mm² / 18 ... 12 AWG |
| Stranded conductor | 0.5 ... 2.5 mm² / 18 ... 14 AWG |
| Fine-stranded conductor | 0.5 ... 2.5 mm² / 18 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0.5 ... 1.5 mm² / 18 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar | 0.5 ... 1.5 mm² / 18 ... 16 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inch |
| Connection type (2) | Internal 2 |
| Connection technology 2 | PUSH WIRE® |
| Number of connection points | 1 |
| Solid conductor (2) | 0.5 ... 2.5 mm² / 18 ... 14 AWG |
| Fine-stranded conductor with insulated ferrule (2) | 0.5 ... 1 mm² / 18 ... 16 AWG |
| Fine-stranded conductor with uninsulated ferrule (2) | 0.5 ... 1.5 mm² / 18 ... 14 AWG |
| Strip length (2) | 8 ... 9 mm / 0.31 ... 0.35 inch |
| Connection type (3) | Internal 3 |
| Number of connection points | 1 |
| Solid conductor (3) | 0.5 ... 1.5 mm² / 18 ... 16 AWG |
| Fine-stranded conductor with insulated ferrule (3) | 0.5 ... 0.75 mm² / 18 AWG 0.5 ... 0.75 mm² / 18 AWG |
| Fine-stranded conductor with uninsulated ferrule (3) | 0.5 ... 1 mm² / 18 AWG |
| Connection type (4) | Internal 4 |
| Number of connection points | 1 |
| Solid conductor (4) | 0.5 ... 0.75 mm² / 18 AWG |
| No. of poles | 3 |
| Total number of connection points | 15 |
| Total number of potentials | 3 |



| | |
|----------------------------|-------------------|
| Number of connection types | 4 |
| Type of wiring | Side-entry wiring |

Geometrical Data

| | |
|-------------------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 30 mm / 1.181 inch |
| Height from the surface | 17 mm / 0.669 inch |
| Depth | 27.3 mm / 1.075 inch |

Mechanical data

| | |
|---------------|-----------------------|
| Mounting type | Snap-in mounting foot |
| Marking | 1-PE-N |

Material Data

| | |
|-----------------------------|-----------------------------------|
| Color | white |
| Material group | III a |
| Insulating material | Polycarbonate (PC) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (E_{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.183 MJ |
| Weight | 9.201 g |

Environmental Requirements

| | |
|-----------------------|-------|
| Temperature stability | 120°C |
|-----------------------|-------|

Commercial data

| | |
|--------------------|--------------------------------|
| Product Group | 8 (Misc. Chassis Mount Blocks) |
| Country of origin | CH |
| GTIN | 4050821098294 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|-------------------------------------|--------------------------|------------------|
| | ENEC 05 DEKRA Certification B.V. | EN 60998 | 2128791.01 |



Compatible products

tools



Item no.: 206-294

Disconnection tool; suitable for removing conductors from PUSH WIRE® contacts

206-294



Item no.: 294-199

Operating tool; for pressing the snap-in mounting feet into the mounting plate; For safe and easy fitting of the ground contacts; for 294 Series

294-199

Strain relief plate



Item no.: 294-364

Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp

294-364



Item no.: 294-370

Strain relief; for 294 Series; with snap-in mounting feet

294-370



Item no.: 294-375

Strain relief; for 294 Series; without snap-in mounting feet

294-375



Item no.: 294-384

Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp

294-384

Downloads

Documentation

Bid Text

294-5053

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CAD/CAE - Smart Data

CAD data

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Subject to changes.