


# NAC3FPX-TRUE1

The "powerCON TRUE1 airtight"  is a locking true mains connector for harsh and demanding applications. This innovative product is part of the powerCON-TRUE1  product group and belongs to our premium powerCON-TRUE1 line. With an impressive array of features and a particular focus on protection and performance, the powerCON airtight" is the choice for professionals who require absolute reliability. It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed in order to guarantee a safe power connection.

With the powerCON TRUE1 airtight, you can count on a secure connection, even in the most extreme conditions.

The powerCON TRUE1 is a connector series with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.

## Features & Benefits

- Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices
- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Extremely robust and reliable


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- ENEC and VDE certified according to IEC 60320-1 and EN IEC 60320-1
- UL and CSA Certified According to UL 60320-1 and CSA 22.2 No. 60320-1
- UL Certified According to UL 498
- IP65, IP66 and IP67 (mated or with closed cap)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system

## Technical Information

| Product | |
|---|---|
| Title | NAC3FPX-TRUE1 |
| Product family | powerCON® TRUE1 |

| Electrical | |
|---|---|
| Contact resistance | ≤ 2 mΩ |
| Dielectric strength | 4 kVdc / 2.8 kVac |
| Insulation resistance | > 1 GΩ (after damp and heat test IEC 68-2-30) |
| Number of electrical contacts | 2 + PE |
| Rating Europe | 16 A / 250 V AC according to EN IEC 60320-1 |
| Rating America | 20 A / 250 V AC according to UL 60320-1<br>20 A / 250 V AC according to CSA C22.2 No. 60320-1<br>20A/ 250 V AC according to UL 498 |


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| Mechanical | |
|---|---|
| Lifetime | > 5000 mating cycles |
| Wiresize (mm²) | 2.5 mm² |
| Wiresize (AWG) | 12 AWG |

| Material | |
|---|---|
| Contact plating | 2 µm Ag |
| Locking element | Stainless steel |
| Contacts | Copper Alloy |
| Shell | Polyamide (PA 66) |

| Environmental | |
|---|---|
| Flammability | UL 94 V-0 |
| Protection class | IP 65 / 66 / 67 |
| UV resistance | F1 rated material withstands UV exposure |
| Temperature range | -30°C to +80°C according to IEC 61984<br>-5°C to +40°C according to IEC 60320-1 |


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