

Series A 3 - A 32



Housings of **series A 3 to A 16** are provided with a **single locking lever**.

Housings of series **A 32** have **two locking levers**.



Series **A 3** housings are available either in **plastic** or **zinc die-casting** - according to your requirements.



Series **A 3** connectors are available both with **screw and IDC terminals**.

Series **A 4** connectors, however, are **only available with screw terminals**.

Series **A 5** is equipped with **crimp contacts** of series B for 16 A. The use of a coding pin prevents incorrect mating of connectors.



If necessary, the engaged crimp contacts can be released by means of a special **removal tool**.

This applies also for the series **A 10, A 16** and **A 32**, which are **additionally available with screw contact carriers**.

Screw terminal inserts are equipped with a wire protection. This **wire protection** saves the time-consuming crimping of wire-end ferrules.



Of course, all **WALTHER** contacts are provided with **open, captive screws**.

The **convenience of IDC connection** is now also available with a classic square connector – a 4-pole (3+PE) industrial plug connector of series A.

Male and female versions are available in hoods and coupler hoods made of plastic.



Thanks to **insulation displacement connection**, it now only takes a few seconds to connect the 4-pole round conductor: Only the sleeve nut has to be slid over the conductor – since splicing ring, seal and strain relief are included in the sleeve nut.

Snap-on mounting adapters

are ideal for mounting into switch cabinets.



The clearly arranged swing-type insertion plate allows easy wiring.

When installing several mounting plates side-by-side, an additional cable duct can be built up inside

the switch cabinet, which then enables the installation of printed circuit boards.

Mounting is made by snapping connectors onto DIN-rails in transverse direction

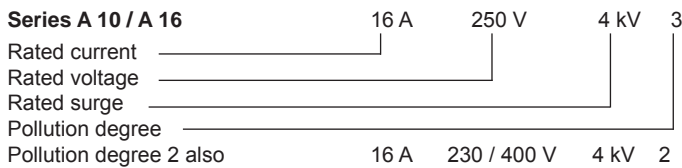
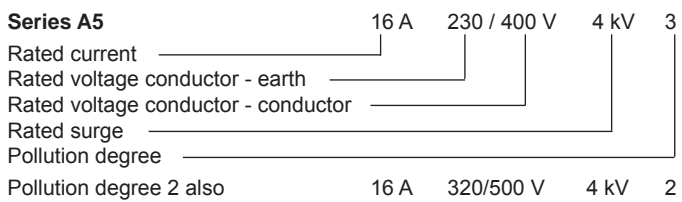
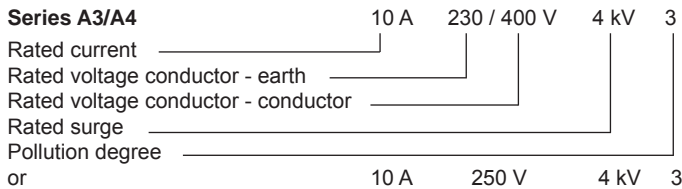


Series A

Specifications

Regulations: DIN VDE 0627, DIN VDE 0110, DIN EN 61 984
Approvals: UR, CSA, MEIE, EZÚ
Number of poles: 3, 4, 5, 10, 16, 32 (2 x 16) + PE

Electrical data acc. to DIN EN 61 984:



Rated voltage acc. to UL/CSA: 600 V
 (Table with rated surges see chapter "Information")

Material: Glass-fibre reinforced polyamide
Temperature range: - 40 °C up to + 125 °C
Flame class rating acc. to UL 94: V 0
Mechanical operating life: ≥ 500 mating cycles

Contacts

Material: Copper alloy
Surface:

- hard silver plated: 3 µm Ag
- hard gold plated: 2 µm Au over 3 µm Ni

Contact resistance: < 1 m Ω

Series A 10 / A 16:

Crimp type terminal mm² (AWG): 0,14 - 4,0 mm² (26-12 AWG)
Screw type terminal mm² (AWG): 0,5 - 2,5 mm² (14 AWG)

Series A 3 / A 4:

only screw type mm² (AWG): 0,5 - 1,5 mm² (16 AWG)
Torque/testing torque: A 3 and A 4: 0,25 Nm
 A 10 and A 16: 0,5 Nm

Series A 5:

only crimp terminal mm² (AWG): 0,14 - 2,5 mm² (26-14 AWG)

Wire stripping length:

Series A 3 and A 4: 5 mm
 Series A 5, A 10 and A 16: 7 mm with screw and crimping contacts

Application advice:

Industrial connectors are electrical devices which must not be connected or disconnected under load!

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A 3-pole + ⊕

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 - Matching housings see page 105 - 104 -



A 4-pole + ⊕

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A 5-pole + ⊕

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A 10-pole + ⊕

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- Short overview see page 108 -
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A 16-pole + ⊕

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- Short overview see page 112 -
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A 32-pole + ⊕

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The derating diagram (corrected current capacity curve) acc. to DIN IEC 60 512 applies to such ambient temperature and conductor size - circulate through each contact without exceeding the upper limiting temperature.

