Universal plug connectors, for self-assembly

FESTO



Universal plug connectors, for self-assembly Product range overview

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| Version | Туре | Connection cross section [mm ²] | Connector type | Electrical connection | Protection class | Bus protocol/ activation | → Page/ Internet |
|-------------------|------------------|---|----------------|---------------------------------|------------------|-----------------------------|---------------------|
| Harax® quick co | nnection | | | | | | |
| | NECU-SHX | 0.14 0.34 | Plug | M8x1, 3-pin | IP65, IP67 | _ | 3 |
| | | | | M8x1, 4-pin | | | |
| | | | | M12x1, 3-pin, A-coded | | | |
| | | | | M12x1, 4-pin, A-coded | | | |
| | | 0.34 0.75 | | M12x1, 3-pin, A-coded | | | |
| | | | | M12x1, 4-pin, A-coded | | | |
| Screw terminal | | | | , , , | | | |
| | NECU-S-M8G4 | 0.14 0.5 | Plug | M8x1, 4-pin | IP67 | _ | 5 |
| | NECUD12C2 | 0.14 0.75 | Plug | M12x1, 4-pin, D-coded | IP65, IP67 | Ethernet | 6 |
| | NECUS-B12G5 | 0.14 0.75 | Plug | M12x1, 5-pin, B-coded | IP65, IP67 | - | 7 |
| | NECUB12G5 | 0.14 0.75 | Socket | M12x1, 5-pin, B-coded | IP65, IP67 | _ | 8 |
| | NECU-G78C2 | 0.25 2 | Socket | G7/8", 4-pin | IP65, IP67, IP68 | _ | 9 |
| Cable connector | | | | | | | |
| | NECU-M8G4 | 0.14 0.5 | Socket | M8x1, 4-pin | IP67 | - | 10 |
| | SIE-GD | 0.25 0.75 | Socket | M12x1, 4-pin | IP67 | - | 11 |
| 9 | SIE-WD-TR | 0.25 0.75 | Socket | M12x1, 4-pin | IP67 | - | 12 |
| Spring-loaded te | rminal | | | | | | |
| | NECUPPG5 | 0.75 2.5 | Socket | AIDA push-pull, 5-pin | IP65, IP67 | - | 13 |
| Inculation displa | cement connector | | | | | | |
| | NECU-S-ECG4 | 0.14 | Plug | Insulation displacement | IP40 | I_ | 14 |
| | -O- | V.14 | i iug | connector, square design, 4-pin | 11 40 | | 14 |

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Plug NECU-S-...-HX

Reconnectable M8 and M12 round plug connectors with Harax® quick connection technology for low-voltage applications.



| General technical data | | | | | | | | | |
|--------------------------|-----------------------|----------------|---|----------------|----------|-------------|-------------|--|--|
| NECU-S- | | M8G3-HX | M8G4-HX | M12G3-HX | M12G4-HX | M12G3-HX-Q7 | M12G4-HX-Q7 | | |
| Electrical connection | Electrical connection | | Straight plug / insulation displacement connector | | | | | | |
| | | M8x1 | | M12x1 | | M12x1 | | | |
| | | | | A-coded | | A-coded | | | |
| | | 3-pin | 4-pin | 3-pin | 4-pin | 3-pin | 4-pin | | |
| Operating voltage range | [V DC] | 0 32 | | 0 32 | | 0 48 | • | | |
| | [V AC] | 0 32 | | 0 32 | | 0 48 | | | |
| Surge capacity | [kV] | 0.8 | | • | | • | | | |
| Acceptable current load | [A] | 4 | | 4 | | 6 | | | |
| at 40 °C | | | | | | | | | |
| Based on standard | | EN 61076-2-104 | | EN 61076-2-101 | | | | | |
| | | EN 61984 | | | | | | | |
| Cable diameter | [mm] | 2.5 5.1 | | 2.9 5.1 | 2.9 5.1 | | | | |
| Individual wire diameter | [mm] | ≥0.1 | | | | | | | |
| Connection cross section | [mm ²] | 0.14 0.34 | | 0.14 0.34 | | 0.34 0.75 | | | |
| Wire diameter | [mm] | 0.9 1.6 | | 0.9 1.6 | | 1.6 2.0 | | | |
| Wire insulation | | PP | | PP | | - | | | |
| | | PVC | | | | | | | |
| | | TPE-E | | TPE-E | | - | | | |
| Connection frequency | | 3 | | | | | | | |
| Max. tightening torque | [Nm] | 0.3 | | 0.5 | | 0.5 | | | |
| of locking clip | | | | | | | | | |
| Protection class | | IP65 | | | | | | | |
| | | IP67 | | | | | | | |

| Materials | Naterials Control of the Control of | | | | |
|-------------------|---|--|--|--|--|
| Housing | PA | | | | |
| | Nickel-plated die-cast zinc | | | | |
| Seals | FPM | | | | |
| | PUR | | | | |
| Pin contact | Gold-plated | | | | |
| Note on materials | Free of copper and PTFE | | | | |
| | RoHS-compliant | | | | |

| Operating and environmental conditions | | | | |
|--|-----------------------|--|--|--|
| Ambient temperature [°C] | -25 +85 | | | |
| Corrosion resistance class CRC ¹⁾ | 1 | | | |
| Degree of contamination | 3 | | | |
| Certification | cULus recognized (OL) | | | |

¹⁾ Corrosion resistance class 1 according to Festo standard 940 070 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

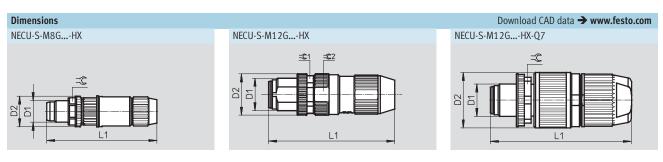
 $\label{eq:harax} \textbf{Harax}^{\textcircled{\$}} \text{ is a registered trademark of its respective trademark holder in certain countries.}$



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| Plug symbo | Plug symbols | | | | | | | | | | | |
|------------|--------------|-------------|--------|-----|-------------|-------|--|-----|-------------|-----------|-----|-------------|
| M8x1 | | | | | | M12x1 | | | | | | |
| 3-pin | Pin | Wire colour | 4-pin | Pin | Wire colour | | 3-pin | Pin | Wire colour | 4-pin | Pin | Wire colour |
| 1 | 1 | Brown | 1 | 1 | Brown | | 1 | 1 | Brown | 1 | 1 | Brown |
| + 4 | 3 | Blue | (++) 2 | 2 | White | | (+ +) 4 | 3 | Blue | 2 (+ +) 4 | 2 | White |
| (±). | 4 | Black | \±±\/4 | 3 | Blue | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 4 | Black | + | 3 | Blue |
| 3 | | | 3 | 4 | Black | | 3 | | | 3 | 4 | Black |

| Compatibility m | atrix | | | | | |
|-----------------|---------|----------|----------|----------|-------------|-------------|
| NECU-S- | M8G3-HX | M8G4-HX | M12G3-HX | M12G4-HX | M12G3-HX-Q7 | M12G4-HX-Q7 |
| Sensors | | | | | | |
| NEBU/SIM | | | • | | - | - |
| SM8/M | • | • | | | - | - |
| SM10/M | - | - | - | - | - | - |
| SM10 | - | - | - | - | - | - |
| | | <u>.</u> | | | | |
| Valves | | | | | | |
| KME-1 | - | - | - | - | | • |
| KMEB-3 | - | - | - | - | | • |
| KMEB-1 | - | - | - | - | | • |
| KMC-1 | - | - | - | - | | • |
| KMF-1 | - | - | - | - | | • |
| KMV-1 | - | - | - | - | | • |
| KMYZ-2/3/7/9 | • | • | | | - | - |
| NEBV-M8W4L | • | • | | | - | - |
| NEBV-M8G4L | • | • | • | | - | - |
| NEBV-H1G2 | • | • | • | | | |
| KMEB-2 | - | - | - | - | | • |



| Туре | D1 | D2 | L1 | = © | = ©1 | = ©2 |
|------------------|-------|------|-------|------------|-------------|-------------|
| NECU-S-M8GHX | M8x1 | 11.5 | 40.8 | 9 | - | - |
| NECU-S-M12GHX | M12x1 | 15.3 | 46.75 | - | 13 | 14 |
| NECU-S-M12GHX-Q7 | M12x1 | 20.5 | 52.2 | 17 | - | - |

| Ordering data | | | | | | | | |
|--------------------|---|--------|----------|--------------------|--|--|--|--|
| Connection cross | Electrical connection | Weight | Part No. | Туре | | | | |
| section | | | | | | | | |
| [mm ²] | | [g] | | | | | | |
| 0,14 0,34 | Plug M8x1, 3-pin, straight, insulation displacement connector | 7.8 | 562024 | NECU-S-M8G3-HX | | | | |
| | Plug M8x1, 4-pin, straight, insulation displacement connector | 7.8 | 562025 | NECU-S-M8G4-HX | | | | |
| | Plug M12x1, A-coded, 3-pin, straight, insulation displacement connector | 17.5 | 562027 | NECU-S-M12G3-HX | | | | |
| | Plug M12x1, A-coded, 4-pin, straight, insulation displacement connector | 17.5 | 562028 | NECU-S-M12G4-HX | | | | |
| 0,34 0,75 | Plug M12x1, A-coded, 3-pin, straight, insulation displacement connector | 32.8 | 564946 | NECU-S-M12G3-HX-Q7 | | | | |
| | Plug M12x1, A-coded, 4-pin, straight, insulation displacement connector | 33.3 | 564947 | NECU-S-M12G4-HX-Q7 | | | | |

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Plug NECU-S-M8G4

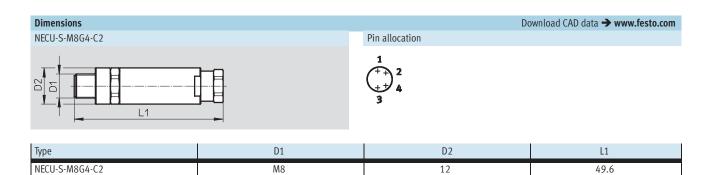
- Plug
- 4-pin
- Can be assembled with any cable length



| General technical data | | |
|------------------------------|--------------------|--|
| Electrical connection | | Plug M8x1, 4-pin, straight, screw terminal |
| Plug coding | | Coded via contact arrangement |
| Operating voltage range | [V DC] | 0 30 |
| | [V AC] | 0 30 |
| Surge capacity | [kV] | 0.8 |
| Acceptable current load | [A] | 4 |
| Based on standard | | EN 61076-2-101 |
| | | EN 61984 |
| Transmission characteristics | | DIN EN 50173 / CAT 5 |
| Permissible cable ∅ | [mm] | 3.5 5.0 |
| Connection cross section | [mm ²] | 0.14 0.5 |
| Type of mounting | | Via knurled nut |
| Protection class | | IP67 |

| Materials | | | | | |
|-------------------|---------------------|--|--|--|--|
| Pin contact | Gold-plated brass | | | | |
| Union nut | Nickel-plated brass | | | | |
| Note on materials | RoHS-compliant | | | | |

| Operating and environmental conditions | | | | | | |
|--|------|---------|--|--|--|--|
| Ambient temperature | [°C] | -25 +85 | | | | |
| Degree of contamination | | 3 | | | | |



| Ordering data | | |
|----------------------------|----------|----------------|
| Electrical connection | Part No. | Туре |
| Plug M8x1, 4-pin, straight | 1068198 | NECU-S-M8G4-C2 |



Plug NECU-...-D12...-C2

- Plug for power supply
- 4-pin
- Can be assembled with any cable lengths
- With screw terminal



| General technical data | | |
|---------------------------------|--------------------|--|
| Electrical connection | | Plug M12x1, round plug connector, 4-pin, straight, suitable for self-assembly, screw terminal, can be screened |
| Plug coding | | D, for Ethernet |
| Operating voltage range | [V DC] | 0 250 |
| | [V AC] | 0 250 |
| Surge capacity | [kV] | 2.5 |
| Acceptable current load | [A] | 4 |
| Based on standard | | EN 61076-2-101 |
| | | EN 61984 |
| Transmission characteristics | | DIN EN 50173 / CAT 5 |
| Permissible cable \varnothing | [mm] | 6.0 8.0 |
| Connection cross section | [mm ²] | 0.14 0.75 |
| Protection class | | IP65/IP67 |

| Materials | |
|-------------------|-----------------------------|
| Housing | Nickel-plated die-cast zinc |
| Pin contact | Gold-plated brass |
| Note on materials | Free of copper and PTFE |
| | RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -40 +85 | |
| Corrosion resistance class CRC ¹⁾ | 1 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |

1) Corrosion resistance class 1 according to Festo standard 940 070 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

| Dimensions | Download CAD data → www.festo.com |
|------------|-----------------------------------|
| × 62.5 | x Cable diameter 6.0 8.0 mm |

| Ordering data | | | |
|--|---------------|----------|----------------------|
| Electrical connection | Weight [g] | Part No. | Туре |
| Plug M12x1, round plug connector, 4-pin, straight, suitable for self-assembly, screw terminal, can be screened | 47 | 543109 | NECU-M-S-D12G4-C2-ET |

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Plug NECU-S-B12G5

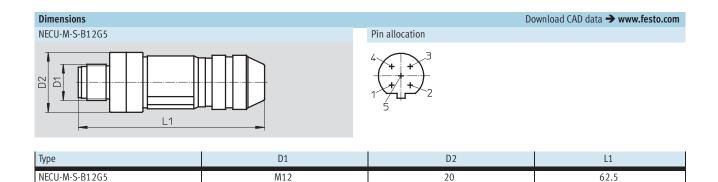
- Plug
- 5-pin
- Can be assembled with any cable length



| General technical data | | |
|------------------------------|--------------------|---|
| Electrical connection | | Plug M12x1, 5-pin, straight, screw terminal |
| Plug coding | | B, for Profibus |
| Operating voltage range | [V DC] | 0 60 |
| | [V AC] | 0 60 |
| Surge capacity | [kV] | 1.5 |
| Acceptable current load | [A] | 4 |
| Based on standard | | EN 61076-2-101 |
| | | EN 61984 |
| Transmission characteristics | | DIN EN 50173 / CAT 5 |
| Permissible cable ∅ | [mm] | 68 |
| Connection cross section | [mm ²] | 0.14 0.75 |
| Protection class | | IP65/IP67 |

| Materials | |
|-------------------|-----------------------------|
| Housing | Nickel-plated die-cast zinc |
| Pin contact | Gold-plated brass |
| Note on materials | RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -25 +85 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |



| Ordering data | | |
|-----------------------------|----------|----------------------|
| Electrical connection | Part No. | Туре |
| Plug M12x1, 5-pin, straight | 1066354 | NECU-M-S-B12G5-C2-PB |

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Socket NECU-B12G5

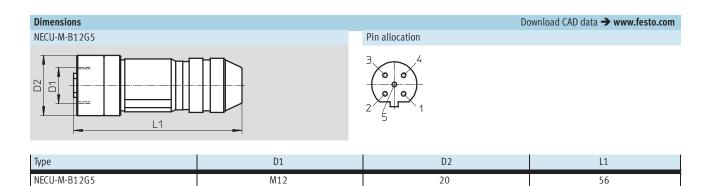
- Socket
- 5-pin
- Can be assembled with any cable length



| General technical data | | |
|------------------------------|--------------------|---|
| Electrical connection | | Socket M12x1, 5-pin, straight, screw terminal |
| Plug coding | | B, for Profibus |
| Operating voltage range | [V DC] | 0 60 |
| | [V AC] | 0 60 |
| Surge capacity | [kV] | 1.5 |
| Acceptable current load | [A] | 4 |
| Based on standard | | EN 61076-2-101 |
| | | EN 61984 |
| Transmission characteristics | | DIN EN 50173 / CAT 5 |
| Permissible cable ∅ | [mm] | 68 |
| Connection cross section | [mm ²] | 0.14 0.75 |
| Protection class | | IP65/IP67 |

| Materials | |
|-------------------|-------------------------------|
| Housing | Nickel-plated die-cast zinc |
| Pin contact | Gold-plated brass |
| Note on materials | RoHS-compliant RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -25 +85 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |



| Ordering data | | |
|-------------------------------|----------|--------------------|
| Electrical connection | Part No. | Туре |
| Socket M12x1, 5-pin, straight | 1067905 | NECU-M-B12G5-C2-PB |

Universal plug connectors NECU, for self-assembly



Technical data

Power supply socket NECU-G78...-C2

- Power supply socket for fieldbus connection
- 4-pin and 5-pin
- Can be assembled with any cable lengths
- With screw terminal
- $\bullet\,$ Wire cross section of up to 2 mm^2



| General technical data | | | |
|--------------------------|--------------------|---|---|
| Туре | | NECU-G78G4-C2 NECU-G78G5-C2 | |
| Electrical connection | | Socket 7/8", round plug connector, 4-pin, straight, | Socket 7/8", round plug connector, 5-pin, straight, |
| | | suitable for self-assembly, screw terminal | suitable for self-assembly, screw terminal |
| Plug coding | | ODVA AutoSIG | NFPA/T3.5.29 R1-2003 |
| Operating voltage range | [V DC] | 0 250 | · |
| | [V AC] | 0 250 | |
| Surge capacity | [kV] | 2.5 | |
| Acceptable current load | [A] | 8 | 10 |
| Based on standard | | EN 61984 | |
| Permissible cable ∅ | [mm] | 5.0 12.0 | |
| Connection cross section | [mm ²] | 0.25 2.0 | |
| Protection class | | IP65/IP67/IP68 | |

| Materials | |
|-------------------|-------------------------------|
| Housing | PA (colour: black) |
| Seals | NBR |
| Pin contact | Gold-plated copper base alloy |
| Union nut | Nickel-plated brass |
| Note on materials | Free of copper and PTFE |
| | RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -40 +80 | |
| Corrosion resistance class CRC ¹⁾ | 1 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |
| Certification | CSA C/US (OL) | |

¹⁾ Corrosion resistance class 1 according to Festo standard 940 070 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.



| Ordering data | | | |
|--|--------|----------|---------------|
| Electrical connection | Weight | Part No. | Туре |
| | [g] | | |
| Socket 7/8", round plug connector, 4-pin, straight, suitable for self-assembly, screw terminal | 49 | 543108 | NECU-G78G4-C2 |
| Socket 7/8", round plug connector, 5-pin, straight, suitable for self-assembly, screw terminal | 51 | 543107 | NECU-G78G5-C2 |



Cable socket NECU-M8G4

- Socket for power supply
- 4-pin
- Can be assembled with any cable lengths
- With cable connector PG7



| General technical data | | |
|---------------------------------|--------------------|------------------------------|
| Electrical connection | | Socket M8x1, 4-pin, straight |
| Operating voltage range | [V DC] | 030 |
| | [V AC] | 030 |
| Surge capacity | [kV] | 0.8 |
| Acceptable current load | [A] | 3 |
| Based on standard | | EN 61984 |
| Permissible cable \varnothing | [mm] | 3.5 5.0 |
| Connection cross section | [mm ²] | 0.14 0.5 |
| Connection frequency | | 500 |
| Type of mounting | | Via knurled nut |
| Mounting position | | Any |
| Max. tightening torque | [Nm] | 0.3 |
| of plug | | |
| Protection class | | IP67 |

| Materials | |
|-------------------|-----------------------------|
| Housing | PBT (colour: black) |
| | Nickel-plated die-cast zinc |
| Pin contact | Gold-plated brass |
| Union nut | Nickel-plated brass |
| Note on materials | RoHS-compliant |

| Operating and environmental conditions | | |
|--|---------|--|
| Ambient temperature [°C] | -40 +80 | |
| Storage temperature [°C] | -40 +80 | |
| Corrosion resistance class CRC ¹⁾ | 2 | |
| Degree of contamination | 3 | |

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents. 1) Corrosion resistance class 2 according to Festo standard 940 070



| Ordering data | | | |
|------------------------------|--------|----------|-----------|
| Electrical connection | Weight | Part No. | Туре |
| | [g] | | |
| Socket M8x1, 4-pin, straight | 9.5 | 544392 | NECU-M8G4 |



Sensor socket SIE-GD

- Reconnectable for low-voltage applications
- 4-pin
- Can be assembled with any cable lengths
- With cable connector PG7



| General technical data | | |
|--------------------------|--------------------|------------------------------|
| Electrical connection | | Straight socket M12x1, 4-pin |
| Operating voltage range | [V DC] | 0 250 |
| | [V AC] | 0 250 |
| Surge capacity | [kV] | 2.5 |
| Acceptable current load | [A] | 4 |
| at 40 °C | | |
| Conforms to | | EN 61076-2-101 |
| | | EN 61984 |
| Permissible cable Ø | [mm] | 46 |
| Connection cross section | [mm ²] | 0.25 0.75 |
| Connection frequency | | 50 |
| Type of mounting | | Via knurled nut |
| Max. tightening torque | [Nm] | 0.5 |
| Protection class | | IP67 |

| Materials | | |
|-------------------|-------------------------------|--|
| Housing | PA | |
| Union nut | PA PA | |
| Note on materials | RoHS-compliant RoHS-compliant | |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -25 +85 | |
| Corrosion resistance class CRC ¹⁾ | 4 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |

¹⁾ Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.



| Ordering data | | |
|------------------------------|----------|--------|
| Electrical connection | Part No. | Туре |
| Straight socket M12x1, 4-pin | 18494 | SIE-GD |

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Angled socket SIE-WD-TR

- Reconnectable for low-voltage applications
- 4-pin
- Can be assembled with any cable lengths

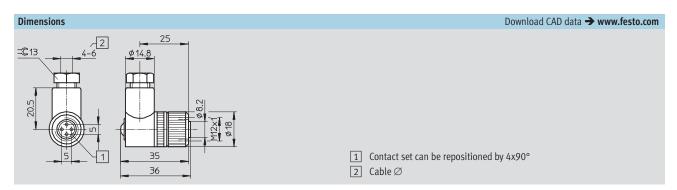


| General technical data | | |
|--------------------------|--------------------|----------------------------|
| Electrical connection | | Angled socket M12x1, 4-pin |
| Operating voltage range | [V DC] | 0 250 |
| | [V AC] | 0 250 |
| Surge capacity | [kV] | 2.5 |
| Acceptable current load | [A] | 4 |
| at 40 °C | | |
| Conforms to | | EN 61076-2-101 |
| | | EN 61984 |
| Permissible cable ∅ | [mm] | 4 6 |
| Connection cross section | [mm ²] | 0.25 0.75 |
| Connection frequency | | 50 |
| Type of mounting | | Via knurled nut |
| Max. tightening torque | [Nm] | 0.5 |
| Protection class | | IP67 |

| Materials | |
|-------------------|-------------------------------|
| Housing | PA |
| Union nut | PA PA |
| Note on materials | RoHS-compliant RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------------|--|
| Ambient temperature [°C] | -25 +85 | |
| Corrosion resistance class CRC ¹⁾ | 4 | |
| Degree of contamination | 3 | |
| CE mark | To EU Low Voltage Directive | |
| (see declaration of conformity) | | |

1) Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required.



| Ordering data | | | |
|---------------|----------------------------|----------|-----------|
| | Electrical connection | Part No. | Туре |
| Angled socket | Angled socket M12x1, 4-pin | 12956 | SIE-WD-TR |

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Socket NECU-PPG5

- Power supply socket
- 5-pin
- Can be assembled with any cable length



| General technical data | | |
|--------------------------|--------------------|--|
| Electrical connection | | Socket AIDA push-pull, 5-pin, straight, spring-loaded terminal |
| Plug coding | | Black insulator |
| Operating voltage range | [V DC] | 0 24 |
| Surge capacity | [kV] | 2.5 |
| Acceptable current load | [A] | 16 |
| Based on standard | | EN 61984 |
| Permissible cable ∅ | [mm] | 9 13 |
| Connection cross section | [mm ²] | 0.75 2.5 |
| Protection class | | IP65/IP67 |

| Materials | | |
|-------------------|--|--|
| Housing | Nickel-plated die-cast zinc | |
| Housing colour | Silver | |
| Seals | NBR, TPE | |
| Pin contact | Nickel-plated and gold-plated copper based alloy | |
| Note on materials | RoHS-compliant RoHS-compliant | |

| Operating and environmental conditions | | |
|---|----------|--|
| Ambient temperature [°C] | -40 +100 | |
| Degree of contamination | 3 | |
| Fire protection classification to UL 94 | V-0 | |

| Ordering data | | |
|--|----------|----------------|
| Electrical connection | Part No. | Туре |
| Socket AIDA push-pull, 5-pin, straight | 563059 | NECU-M-PPG5-C1 |

-O- New

Universal plug connectors NECU, for self-assembly Technical data

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Plug NECU-S-ECG4

- Plug
- Insulation displacement connector
- 4-pin
- Can be assembled with any cable lengths



| General technical data | | |
|--------------------------|--------------------|---|
| Electrical connection | | Straight plug/insulation displacement connector, 4-pin, square design |
| Operating voltage range | [V DC] | 030 |
| Surge capacity | [kV] | 0.8 |
| Acceptable current load | [A] | 3 |
| at 40 °C | | |
| Individual wire diameter | [mm] | ≥ 0.07 |
| Connection cross section | [mm ²] | 0.14 |
| Wire diameter | [mm] | 0.8 1 |
| Wire insulation | | PP, PVC, TPE-E |
| Connection frequency | | 1 |
| Type of mounting | | Engaging |
| Protection class | | IP40 |

| Materials | |
|-------------------|-------------------------------|
| Housing | PC, PBT |
| Pin contacts | Bronze |
| Note on materials | RoHS-compliant RoHS-compliant |

| Operating and environmental conditions | | |
|--|-----------------------|--|
| Ambient temperature [°C] | -20 +60 | |
| Corrosion resistance class CRC ¹⁾ | 1 | |
| Degree of contamination | 2 | |
| Certification | cULus recognized (OL) | |

Corrosion resistance class 1 according to Festo standard 940 070 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.



| NECU-S-ECG4 | 5.9 | 14.9 | 15.6 |
|-------------|-----|------|------|
| | | | |
| | | | |
| | | | |

| Ordering data | | |
|---|----------|-------------------|
| Electrical connection | Part No. | Туре |
| Straight plug/insulation displacement connector, 4-pin, square design | 570922 | NECU-S-ECG4-HX-Q3 |

Universal plug connectors SIE, for self-assembly Accessories

FESTO

Operational status indicator SIE-LP-LED-GR

Indicates the ready status of a proximity sensor SIE connected via the angled socket SIE-WD-TR by illuminating a green LED



| Ordering data | | | |
|-------------------------|---------------------|----------|---------------|
| Operating voltage range | Ambient temperature | Part No. | Туре |
| [V DC] | [°C] | | |
| 10 30 | -25 +70 | 12957 | SIE-LP-LED-GR |