

Actuator sensor interface - M8 - connector

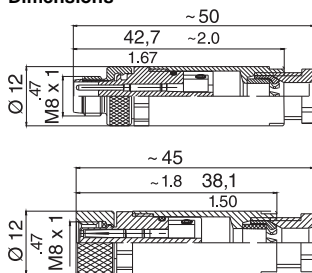
field wireable connector, M8 straight

Male / female

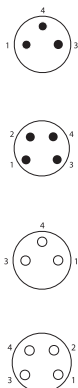
Screw terminal



Dimensions

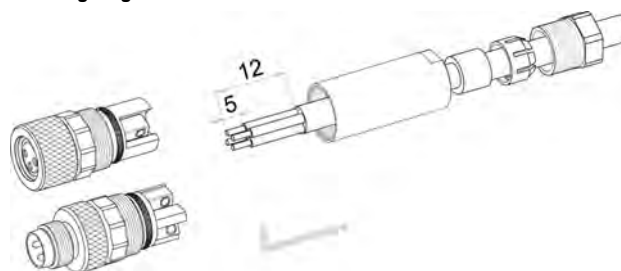


Pin layout



| Description | Part-No. | Type | PU | |
|--|---|--------|-----------------|---|
| Male | | | | |
| Number of terminations | 3 | 490035 | STGK-M8 3POL SK | 1 |
| | 4 | 490057 | STGK-M8 4POL SK | 1 |
| Female | | | | |
| Number of terminations | 3 | 490037 | KUGK-M8 3POL SK | 1 |
| | 4 | 490059 | KUGK-M8 4POL SK | 1 |
| Technical data | | | | |
| | Male | | Female | |
| Nominal voltage | AC/DC 24 V | | | |
| Nominal voltage range | max. 60 V | | | |
| Rated current | 4 A | | | |
| Number of terminations | 3 | 4 | 3 | 4 |
| Cable length (m) | - | | | |
| Status Indication | - | | | |
| Current Consumption per LED | - | | | |
| Coding | - | | | |
| Shielding | - | | | |
| General | | | | |
| Termination | Screw terminal 0.14 – 0.5 mm ² | | | |
| Form | M8 x 1, male | | M8 x 1, female | |
| Contact material | CuZn, gold-plated | | | |
| Gasket | - | | NBR | |
| Test voltage | 1.5 kV | | | |
| Pollution degree | 3 | | | |
| Insulation resistance | >10 ¹⁰ Ω | | | |
| Contact resistance | <3 mΩ | | | |
| Class of flammability according to UL 94 | V0 | | | |
| Protection class | IP 67, in screwed condition | | | |
| Housing material | PBT black | | | |
| Thread material | CuSn nickel plated | | | |
| Cable construction | - | | | |
| Cable jacket | - | | | |
| Conductor insulation | - | | | |
| Cable diameter | 3.5 – 5 mm | | | |
| Bending radius | - | | | |
| Storage temperature range | -40 °C – 90 °C | | | |
| Temperature range connector | -25 °C – 85 °C | | | |
| Mechanical service life | >100 insertion cycles | | | |
| Weight (kg/piece) | 0.040 | | | |
| Approvals | - | | | |

Mounting diagram

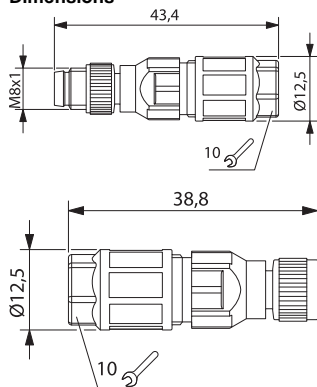


Actuator sensor interface - M8 - connector

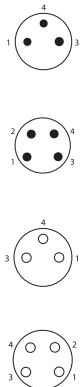
field wireable connector, M8 straight
Male / female
IDC quick-connect technology



Dimensions

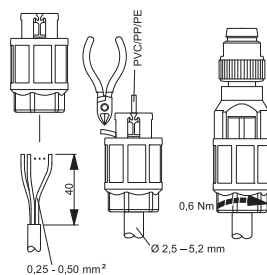


Pin layout



| Description | Part-No. | Type | PU | |
|--|--|-----------|------------------|-----------|
| Male | | | | |
| Number of terminations | 3 | 490123 | STGK-M8 3POL SNK | 1 |
| | 4 | 490124 | STGK-M8 4POL SNK | 1 |
| Female | | | | |
| Number of terminations | 3 | 490125 | KUGK-M8 3POL SNK | 1 |
| | 4 | 490126 | KUGK-M8 4POL SNK | 1 |
| Technical data | | | | |
| | Male | | Female | |
| Nominal voltage | AC/DC 24 V | | | |
| Nominal voltage range | max. 60 V | max. 30 V | max. 60 V | max. 30 V |
| Rated current | - | | | |
| Number of terminations | 3 | 4 | 3 | 4 |
| Cable length (m) | - | | | |
| Status Indication | - | | | |
| Current Consumption per LED | - | | | |
| Coding | - | | | |
| Shielding | - | | | |
| General | | | | |
| Termination | IDC 0.25 – 0.5 mm ² , AWG 22/24, class 2– 6 | | | |
| Form | M8 x 1, male | | M8 x 1, female | |
| Contact material | CuSn, gold-plated | | | |
| Gasket | - | | NBR | |
| Test voltage | 1.5 kV | 0.8 kV | 1.5 kV | 0.8 kV |
| Pollution degree | 3 | | | |
| Insulation resistance | ≥100 MΩ | | | |
| Contact resistance | ≤5 mΩ | | | |
| Class of flammability according to UL 94 | V0 | | | |
| Protection class | IP 67, in screwed condition | | | |
| Housing material | PA 6 black | | | |
| Thread material | CuSn nickel plated | | | |
| Cable construction | - | | | |
| Cable jacket | - | | | |
| Conductor insulation | PVC / PE / PP | | | |
| Cable diameter | 2.5 – 5 mm | | | |
| Bending radius | - | | | |
| Storage temperature range | -40 °C – 90 °C | | | |
| Temperature range connector | -40 °C – 80 °C | | | |
| Mechanical service life | 10x connection of cables with the same gauge | | | |
| Weight (kg/piece) | 0.008 | | 0.007 | |
| Standards | IEC 61076-2-104 | | | |

Mounting diagram

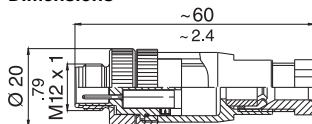


Actuator sensor interface - M12 - connector

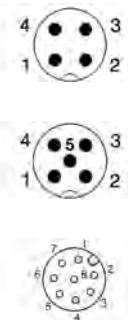
field wireable connector, M12 straight
 Male - A coded
 Screw terminal



Dimensions

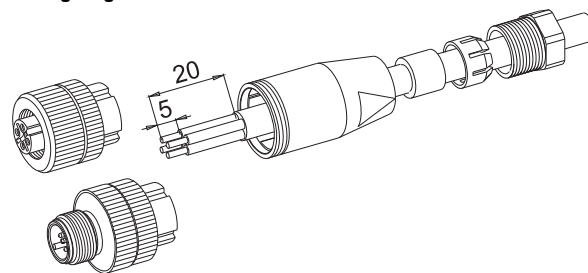


Pin layout



| Description | Part-No. | Type | PU | |
|--|----------|-----------------------------|------------------|---|
| Male | | | | |
| Number of terminations | 4 | 490017 | STGK-M12 4POL SK | 1 |
| | 5 | 490018 | STGK-M12 5POL SK | 1 |
| | 8 | 490070 | STGK-M12 8POL SK | 1 |
| Technical data | | | | |
| | | Male | | |
| Nominal voltage | | AC/DC 24 V | | |
| Nominal voltage range | 250 V | 125 V | 60 V | |
| Rated current | 4 A | 2 A | | |
| Number of terminations | 4 | 5 | 8 | |
| Cable length (m) | | - | | |
| Status Indication | | - | | |
| Current Consumption per LED | | - | | |
| Coding | | A | | |
| Shielding | | - | | |
| General | | | | |
| Form | | M12 x 1, male | | |
| Rated insulation voltage (EN 50178) | 2.5 kV | 1.5 kV | 800 V | |
| Test voltage | 2.95 kV | 1.75 kV | 910 V | |
| Pollution degree | | - | | |
| Insulation resistance | | >10 ¹⁰ Ω | | |
| Contact resistance | | <3 mΩ | | |
| Class of flammability according to UL 94 | | V0 | | |
| Protection class | | IP 67, in screwed condition | | |
| Housing material | | PBT black | | |
| Contact material | | CuZn, gold-plated | | |
| Thread material | | CuSn nickel plated | | |
| Gasket | | - | | |
| Cable construction | | - | | |
| Cable jacket | | - | | |
| Conductor insulation | | - | | |
| Cable diameter | 4 – 6 mm | | 6 – 8 mm | |
| Bending radius | | - | | |
| Storage temperature range | | -40 °C – 90 °C | | |
| Temperature range connector | | -25 °C – 85 °C | | |
| Termination | | Screw terminal | | |
| Mechanical service life | | >100 insertion cycles | | |
| Weight (kg/piece) | | 0.040 | | |
| Approvals | | - | | |

Mounting diagram

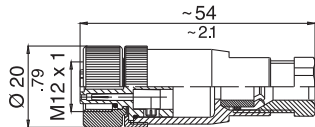


Actuator sensor interface - M12 - connector

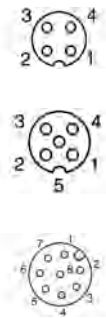
field wireable connector, M12 straight
 Female - A coded
 Screw terminal



Dimensions



Pin layout



| Description | Part-No. | Type | PU | |
|------------------------|----------|--------|------------------|---|
| Female | | | | |
| Number of terminations | 4 | 490011 | KUGK-M12 4POL SK | 1 |
| | 5 | 490012 | KUGK-M12 5POL SK | 1 |
| | 8 | 490071 | KUGK-M12 8POL SK | 1 |

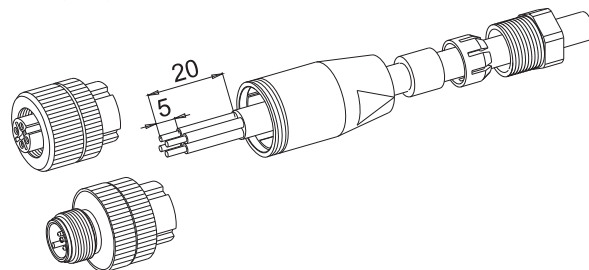
Technical data

| Nominal voltage | | Female | |
|-----------------------------|-------|--------|------|
| AC/DC 24 V | | | |
| Nominal voltage range | 250 V | 125 V | 60 V |
| Rated current | 4 A | 2 A | |
| Number of terminations | 4 | 5 | 8 |
| Cable length (m) | | - | |
| Status Indication | | - | |
| Current Consumption per LED | | - | |
| Coding | | A | |
| Shielding | | - | |

General

| | | | |
|--|-----------------------------|---------------------|-------|
| Form | M12 x 1, female | | |
| Test voltage | 2.95 kV | 1.75 kV | 910 V |
| Pollution degree | 3 | | |
| Insulation resistance | >10 ¹⁰ Ω | | |
| Contact resistance | <3 mΩ | | |
| Class of flammability according to UL 94 | V0 | | |
| Protection class | IP 67, in screwed condition | | |
| Housing material | PBT black | | |
| Contact material | CuZn, gold-plated | | |
| Thread material | CuSn nickel plated | | |
| Gasket | - | | |
| Cable construction | - | | |
| Cable jacket | - | | |
| Conductor insulation | - | | |
| Cable diameter | 4 – 6 mm | 6 – 8 mm | |
| Bending radius | - | | |
| Storage temperature range | -40 °C – 90 °C | | |
| Temperature range connector | -25 °C – 85 °C | | |
| Termination | Screw terminal | | |
| Cross section | 0.75 mm ² | 0.5 mm ² | |
| Mechanical service life | >100 insertion cycles | | |
| Weight (kg/piece) | 0.040 | | |
| Approvals | - | | |

Mounting diagram

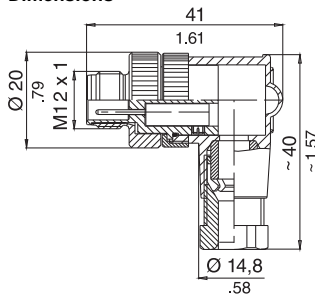


Actuator sensor interface - M12 - connector

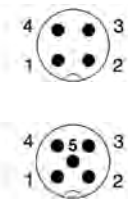
field wireable connector, M12 angled
 Male - A coded
 Screw terminal



Dimensions



Pin layout

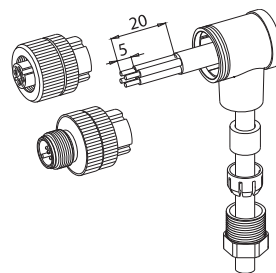


| Description | Part-No. | Type | PU | |
|------------------------|----------|--------|------------------|---|
| Male | | | | |
| Number of terminations | 4 | 490020 | STWK-M12 4POL SK | 1 |
| | 5 | 490021 | STWK-M12 5POL SK | 1 |

| Technical data | | Male | |
|-----------------------------|-------|------------|------|
| Nominal voltage | | AC/DC 24 V | |
| Nominal voltage range | 250 V | | 60 V |
| Rated current | | 4 A | |
| Number of terminations | 4 | | 5 |
| Cable length (m) | | - | |
| Status Indication | | - | |
| Current Consumption per LED | | - | |
| Coding | | A | |
| Shielding | | - | |

| General | | |
|--|-----------------------------|---------|
| Form | M12 x 1, male, angled | |
| Test voltage | 2.95 kV | 1.75 kV |
| Pollution degree | 3 | |
| Insulation resistance | >10 ¹⁰ Ω | |
| Contact resistance | <3 mΩ | |
| Class of flammability according to UL 94 | V0 | |
| Protection class | IP 67, in screwed condition | |
| Housing material | PBT black | |
| Contact material | CuZn, gold-plated | |
| Thread material | CuSn nickel plated | |
| Gasket | - | |
| Cable construction | - | |
| Cable jacket | - | |
| Conductor insulation | - | |
| Cable diameter | 4 – 6 mm | |
| Bending radius | - | |
| Storage temperature range | -40 °C – 90 °C | |
| Temperature range connector | -25 °C – 85 °C | |
| Termination | Screw terminal | |
| Cross section | max. 0.75 mm ² | |
| Mechanical service life | >100 insertion cycles | |
| Weight (kg/piece) | 0.040 | |
| Approvals | - | |

Mounting diagram

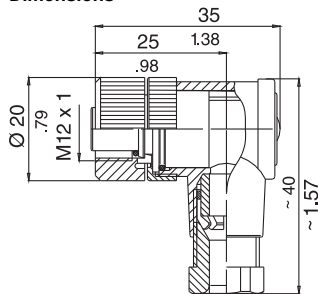


Actuator sensor interface - M12 - connector

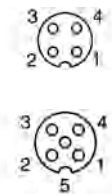
field wireable connector, M12 angled
 Female - A coded
 Screw terminal



Dimensions



Pin layout

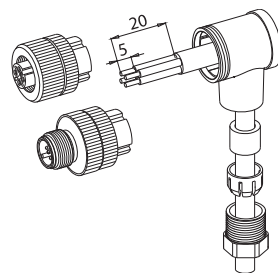


| Description | Part-No. | Type | PU |
|------------------------|----------|------------------|----|
| Female | | | |
| Number of terminations | 4 | KUWK-M12 4POL SK | 0 |
| | 5 | KUWK-M12 5POL SK | 0 |

| Technical data | | Female | |
|-----------------------------|-------|------------|------|
| Nominal voltage | | AC/DC 24 V | |
| Nominal voltage range | 250 V | | 60 V |
| Rated current | | 4 A | |
| Number of terminations | 4 | | 5 |
| Cable length (m) | | - | |
| Status Indication | | - | |
| Current Consumption per LED | | - | |
| Coding | | A | |
| Shielding | | - | |

| General | | | |
|--|-----------------------------|---------------------|---------|
| Form | M12 x 1, female angled | | |
| Test voltage | 2.95 kV | | 1.75 kV |
| Pollution degree | | 3 | |
| Insulation resistance | | >10 ¹⁰ Ω | |
| Contact resistance | | <3 mΩ | |
| Class of flammability according to UL 94 | | V0 | |
| Protection class | IP 67, in screwed condition | | |
| Housing material | PBT black | | |
| Contact material | CuZn, gold-plated | | |
| Thread material | CuSn nickel plated | | |
| Gasket | NBR | | |
| Cable construction | - | | |
| Cable jacket | - | | |
| Conductor insulation | - | | |
| Cable diameter | 4 – 6 mm | | |
| Bending radius | - | | |
| Storage temperature range | -40 °C – 90 °C | | |
| Temperature range connector | -25 °C – 85 °C | | |
| Termination | Screw terminal | | |
| Cross section | max. 0.75 mm ² | | |
| Mechanical service life | >100 insertion cycles | | |
| Weight (kg/piece) | 0.040 | | |
| Approvals | - | | |

Mounting diagram



Actuator sensor interface - M12 - connector

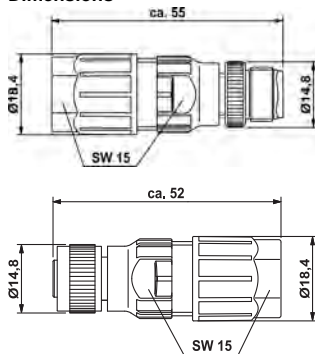
field wireable connector, M12 straight

Male / female - A coded

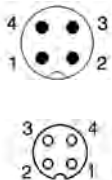
Fast connection method, IDC method of termination



Dimensions

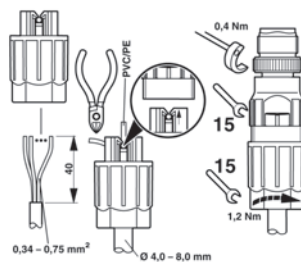


Pin layout

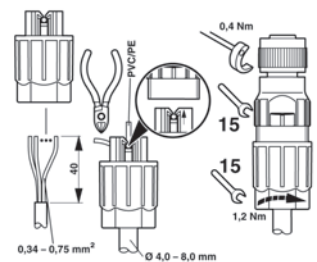


| Description | Part-No. | Type | PU | |
|--|---------------|---|-------------------|---|
| Male | | | | |
| Number of terminations | 4 | 490028 | STGK-M12 4POL SNK | 1 |
| Female | | | | |
| Number of terminations | 4 | 490029 | KUGK-M12 4POL SNK | 1 |
| Technical data | | | | |
| | Male | Female | | |
| Nominal voltage | | AC/DC 24 V | | |
| Nominal voltage range | | 250 V | | |
| Rated current | | 4 A | | |
| Number of terminations | | 4 | | |
| Cable length (m) | | – | | |
| Status Indication | | – | | |
| Current Consumption per LED | | – | | |
| Coding | | A | | |
| Shielding | | – | | |
| General | | | | |
| Form | M12 x 1, male | M12 x 1, female | | |
| Test voltage | | 2.5 kV | | |
| Pollution degree | | 3 | | |
| Insulation resistance | | >10 ⁹ Ω | | |
| Contact resistance | | <5 mΩ | | |
| Class of flammability according to UL 94 | | V0 | | |
| Protection class | | IP 67, in screwed condition | | |
| Housing material | | PBT black | | |
| Contact material | | CuZn, gold-plated | | |
| Thread material | | CuSn nickel plated | | |
| Gasket | – | NBR | | |
| Cable construction | | – | | |
| Cable jacket | | – | | |
| Conductor insulation | | – | | |
| Cable diameter | | 4 – 7.5 mm | | |
| Bending radius | | – | | |
| Storage temperature range | | -40 °C – 90 °C | | |
| Temperature range connector | | -25 °C – 80 °C | | |
| Termination | | IDC method of termination | | |
| Cross section | | 0.34–0.75 mm ² mm ² | | |
| Mechanical service life | | >100 insertion cycles | | |
| Weight (kg/piece) | | 0.030 | | |
| Approvals | | – | | |

Mounting diagram



Mounting diagram

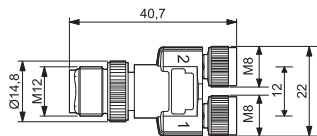
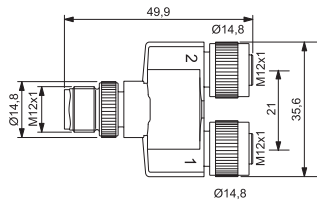


Actuator sensor interface - M12, M12/M8 -connector

T piece

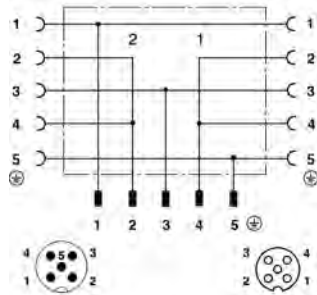
Male M12 to 2x female M12, 5pin PIN 2+4 bridged + PE

Male M12 4pin to 2x female M8, 3pin

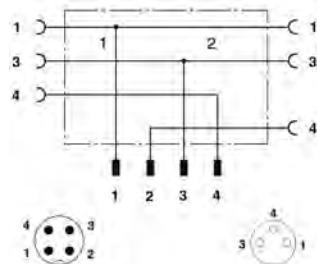


PIN assignment

490026



490038



| Description | Part-No. | Type | PU | |
|------------------------|----------|--------|-----------------|----|
| Number of terminations | 5 | 490026 | AST M 12/2xM 12 | 10 |
| | 3 | 490038 | AST M 12/2xM 8 | 10 |

Technical data

| | 490026 | 490038 |
|-----------------------------|--------|------------|
| Nominal voltage | | AC/DC 24 V |
| Nominal voltage range | DC 60V | DC 30V |
| Rated current | 4 A | 3 A |
| Number of terminations | 5 | 3 |
| Cable length (m) | | - |
| Status Indication | | - |
| Current Consumption per LED | | - |
| Coding | | A |
| Shielding | | - |

General

| Form | M12 x 1 male / M12 x 1 female | M12 x 1 male / M8 x 1 female |
|--|---------------------------------|-----------------------------------|
| Rated insulation voltage (EN 50178) | 60 V | |
| Test voltage | 1.5 kV | |
| Pollution degree | 3 | |
| Insulation resistance | ≥ 10 GΩ | |
| Contact resistance | ≤ 5mΩ | |
| Class of flammability according to UL 94 | HB | |
| Protection class | - | |
| Housing material | TPU black | |
| Contact material | CuZn, gold plated nickel | |
| Thread material | Zinc die-casting, nickel-plated | |
| Gasket | NBR | |
| Cable construction | - | |
| Cable jacket | - | |
| Cable diameter | - | |
| Conductor insulation | - | |
| Bending radius | - | |
| Storage temperature range | -25 °C – 90 °C | |
| Temperature range connector | -25 °C – 90 °C | |
| Termination | - | |
| Mechanical service life | >100 insertion cycles | |
| Weight (kg/piece) | 0.0290 | 0.0140 |
| Field installation | Torque max. 0,4 Nm | Torque max. 0.4 Nm (M8 at 0.2 Nm) |

Approvals

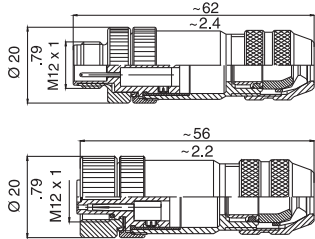
| Accessories | Article number | Type | PU |
|----------------------|----------------|------------|----|
| Dynamometric key M12 | 490090 | DM-SET M8 | 1 |
| Dynamometric key M12 | 490091 | DM-SET M12 | 1 |

Actuator sensor interface - M12 - connector

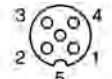
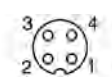
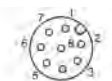
field wireable connector, M12 straight shielded
 Male / female - A coded (CAN)
 Screw terminal



Dimensions



Pin layout



| Description | Part-No. | Type | PU | |
|------------------------|----------|--------|-----------------|---|
| Male | | | | |
| Number of terminations | 4 | 490050 | STGK4-M12 (C)-A | 1 |
| | 5 | 490051 | STGK5-M12 (C)-A | 1 |
| | 8 | 490054 | STGK8-M12 (C)-A | 1 |
| Female | | | | |
| Number of terminations | 4 | 490052 | KUGK4-M12 (C)-A | 1 |
| | 5 | 490053 | KUGK5-M12 (C)-A | 1 |
| | 8 | 490077 | KUGK8-M12 (C)-A | 1 |

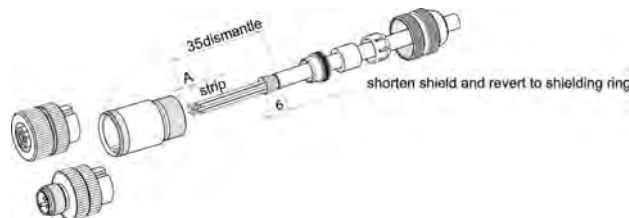
| Technical data | Male | | | Female | | |
|-----------------------------|------------|------|------|--------|------|------|
| | 250 V | 60 V | 30 V | 250 V | 60 V | 30 V |
| Nominal voltage | AC/DC 24 V | | | | | |
| Nominal voltage range | 250 V | 60 V | 30 V | 250 V | 60 V | 30 V |
| Rated current | 4 A | | 2 A | 4 A | | 2 A |
| Number of terminations | 4 | 5 | 8 | 4 | 5 | 8 |
| Cable length (m) | - | | | | | |
| Status Indication | - | | | | | |
| Current Consumption per LED | - | | | | | |
| Coding | A | | | | | |
| Shielding | 360° | | | | | |

| General | M12 x 1, male | | | M12 x 1, female | | |
|--|---------------------------------|--------|-------|-----------------|--------|-------|
| | 2.5 kV | 1.5 kV | 800 V | 2.5 kV | 1.5 kV | 800 V |
| Form | M12 x 1, male | | | M12 x 1, female | | |
| Test voltage | 2.5 kV | 1.5 kV | 800 V | 2.5 kV | 1.5 kV | 800 V |
| Pollution degree | 3 | | | | | |
| Insulation resistance | >10 ¹⁰ Ω | | | | | |
| Contact resistance | <3 mΩ | | | | | |
| Class of flammability according to UL 94 | HB | | | | | |
| Protection class | IP 67, in screwed condition | | | | | |
| Housing material | Zinc die-casting, nickel-plated | | | | | |
| Contact material | CuZn, gold-plated | | | | | |
| Thread material | CuSn nickel plated | | | | | |
| Gasket | NBR | | | | | |
| Cable construction | - | | | | | |
| Cable jacket | - | | | | | |
| Conductor insulation | - | | | | | |
| Cable diameter | 6 – 8 mm | | | | | |
| Bending radius | - | | | | | |
| Storage temperature range | -40 °C – 90 °C | | | | | |
| Temperature range connector | -25 °C – 85 °C | | | | | |
| Termination | Screw terminal | | | | | |
| Cross section | 0.75 | 0.5 | | 0.75 | 0.5 | |
| Mechanical service life | >100 insertion cycles | | | | | |
| Weight (kg/piece) | 0.045 | | | | | |
| Approvals | - | | | | | |

Comments

5-pole variant for device - network suitable

Mounting diagram

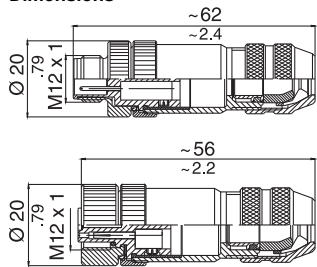


Actuator sensor interface - M12 - connector

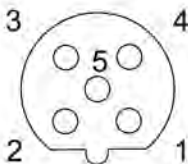
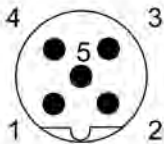
field wireable connector, M12 straight shielded
Male / female - B coded (Profibus, Interbus)
Screw terminal



Dimensions



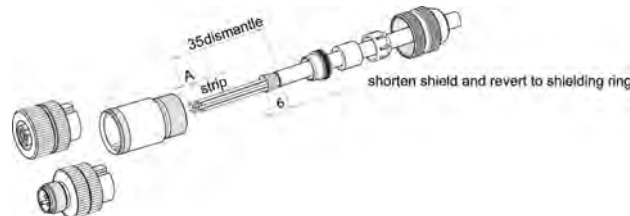
Pin layout



| Description | Part-No. | Type | PU | |
|--|-------------------|-------------|---------------------------------|---|
| Male | | | | |
| Number of terminations | 5 | 490072 | STGK5-M12 (C)-B | 1 |
| Female | | | | |
| Number of terminations | 5 | 490073 | KUGK5-M12 (C)-B | 1 |
| Technical data | | | | |
| | | Male | Female | |
| Nominal voltage | | | AC/DC 24 V | |
| Nominal voltage range | | | max. 60 V | |
| Rated current | | | 4 A | |
| Number of terminations | | | 5 | |
| Cable length (m) | | | – | |
| Status Indication | | | – | |
| Current Consumption per LED | | | – | |
| Coding | | | B | |
| Shielding | | | 360° | |
| General | | | | |
| Form | M12 x 1, male | | M12 x 1, female | |
| Test voltage | | | 1.5 kV | |
| Pollution degree | | | 3 | |
| Insulation resistance | | | >10 ¹⁰ Ω | |
| Contact resistance | | | <3 mΩ | |
| Class of flammability according to UL 94 | | | HB | |
| Protection class | | | IP 67, in screwed condition | |
| Housing material | | | Zinc die-casting, nickel-plated | |
| Contact material | CuZn, gold-plated | | CuSn, gold-plated | |
| Thread material | | | CuSn nickel plated | |
| Gasket | | | NBR | |
| Cable construction | | | – | |
| Cable jacket | | | – | |
| Conductor insulation | | | – | |
| Cable diameter | | | 6 – 8 mm | |
| Bending radius | | | – | |
| Storage temperature range | | | -40 °C – 90 °C | |
| Temperature range connector | | | -25 °C – 85 °C | |
| Termination | | | Screw terminal | |
| Cross section | | | max. 0.75 mm ² | |
| Mechanical service life | | | >100 insertion cycles | |
| Weight (kg/piece) | | | 0.040 | |
| Approvals | | | – | |

Comments
suitable for Profibus and Interbus.

Mounting diagram

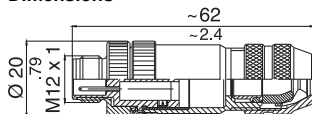


Actuator sensor interface - M12 - connector

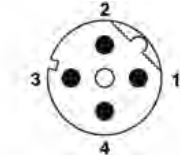
field wireable connector, M12 straight shielded
 Male / CAT 5e - D coded (Ethernet)
 Screw terminal



Dimensions



Pin layout

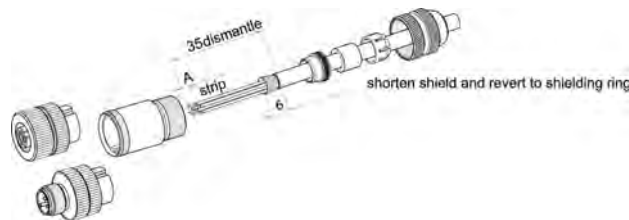


| Description | Part-No. | Type | PU |
|--|---|-------------|-----------------|
| Male | | | |
| Number of terminations | 4 | 490074 | STGK4-M12 (C)-D |
| Technical data | | | |
| | | Male | |
| Nominal voltage | AC/DC 24 V | | |
| Nominal voltage range | max. 60 V | | |
| Rated current | 4 A | | |
| Number of terminations | 4 | | |
| Cable length (m) | - | | |
| Status Indication | - | | |
| Current Consumption per LED | - | | |
| Coding | D | | |
| Shielding | 360° | | |
| General | | | |
| Form | M12 x 1, male | | |
| Test voltage | 2.95 kV | | |
| Pollution degree | 3 | | |
| Insulation resistance | >10 ¹⁰ Ω | | |
| Contact resistance | <3 mΩ | | |
| Class of flammability according to UL 94 | HB | | |
| Protection class | IP 67, in screwed condition | | |
| Housing material | Zinc die-casting, nickel-plated | | |
| Contact material | CuZn, gold-plated | | |
| Thread material | CuSn nickel plated | | |
| Gasket | NBR | | |
| Cable construction | - | | |
| Cable jacket | - | | |
| Conductor insulation | - | | |
| Cable diameter | 6 – 8 mm | | |
| Bending radius | - | | |
| Storage temperature range | -40 °C – 90 °C | | |
| Temperature range connector | -25 °C – 85 °C | | |
| Termination | Screw terminal | | |
| Cross section | without AE: 0.25–0.75 mm ² with AE: 0.14–0.75 mm ² | | |
| Mechanical service life | >100 insertion cycles | | |
| Weight (kg/piece) | 0.045 | | |
| Approvals | - | | |

Comments

Ethernet suitable

Mounting diagram

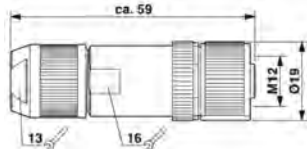


Actuator sensor interface - M12 - connector

field wireable connector, M12 straight shielded
 Female - D coded (Ethernet) CAT 5e
 Shield termination via iris spring, cage clamp



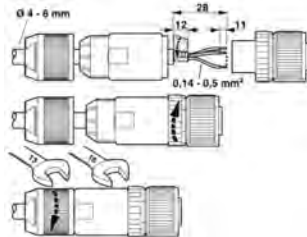
Dimensions



Pin layout



Mounting diagram



| Description | Part-No. | Type | PU |
|--|----------|---|-----------------|
| Male | | | |
| Description | Male | 490095 | KUGK4-M12 (C)-D |
| | | | 1 |
| Technical data | | | |
| | | 4 | |
| Nominal voltage | | AC/DC 24 V | |
| Nominal voltage range | | max. 60 V | |
| Rated current | | Max. 4 A per contact | |
| Number of terminations | | 4 | |
| Cable length (m) | | – | |
| Status Indication | | – | |
| Current Consumption per LED | | – | |
| Coding | | D | |
| Shielding | | 360° | |
| General | | | |
| Form | | M12 x 1, female | |
| Rated insulation voltage (EN 50178) | | 60 V | |
| Test voltage | | 0.8 kV | |
| Pollution degree | | 3 | |
| Insulation resistance | | >10 ¹⁰ Ω | |
| Contact resistance | | <8 mΩ | |
| Class of flammability according to UL 94 | | V0 | |
| Protection class | | IP 67, in screwed condition | |
| Housing material | | Zinc die-casting, nickel-plated | |
| Contact material | | CuSn, gold-plated | |
| Thread material | | CuSn nickel plated | |
| Gasket | | NBR | |
| Cable construction | | – | |
| Cable jacket | | – | |
| Conductor insulation | | – | |
| Cable diameter | | 4 – 8 mm | |
| Bending radius | | – | |
| Storage temperature range | | -40 °C – 90 °C | |
| Temperature range connector | | -40 °C – 85 °C | |
| Termination | | Cage clamp 0.14 mm ² – 0.5 mm ² / 26 AWG – 20 AWG | |
| Mechanical service life | | ≥ 100 insertion cycles | |
| Weight (kg/piece) | | 0.042 | |
| Approvals | | – | |