



T-COUPLERS VERSATILE ADAPTERS

- Slimline saves space
- Minimizes wiring efforts
- Many different configurations

T-COUPLERS FOR PERFECT SYSTEM INSTALLATIONS

Increasingly, automation requires a large number of sensors and with each sensor comes more wiring.

By using T-couplers you reduce the number of cables required and you can combine inputs and outputs depending on the application. Thanks to the slim design, you can connect several M12 ports to our Cube module. The handy torque wrench makes installation easy even in tight spaces and guarantees IP67 seals.

The slimline T-couplers feature a new female screw connection which makes the connection even safer and easier.

T-couplers



M8 male
T-coupler
T-coupler (Nano)

M8 female
T-coupler
T-coupler (Nano)

Page 3.3.1



M12 male
T-coupler

M12 female
T-coupler

Page 3.3.2



M12 female
T-coupler
• Industrial Ethernet

M12 male/M12 female
T-coupler

Page 3.3.4



7/8" male
T-coupler

7/8" female
T-coupler

Page 3.3.5

T-COUPLERS M8, M12, 7/8"

M8 - M8

T-coupler

Male straight - female straight



T-coupler (Nano)

Male straight - female straight



| 1 Form | 88611 | 88621 | 88602 |
|---|--|-----------------------------|---|
| Approvals | cULus | cULus | |
| Type | 3-pole Parallel circuit | 3-pole Series connection | 3-/4-pole Distribution function (NO) |
| Circuit diagram | | | |
| Contact layout | | | |
| Technical Data | | | |
| Operating voltage | max. 50 V AC/60 V DC | | max. 32 V AC/DC |
| Rated surge voltage | 1.5 kV | | 0.8 kV |
| Operating current per contact | max. 4 A | | max. 2 A |
| Locking of ports | Screw thread M8 x 1 mm (recommended torque 0.4 Nm) self-securing | | Screw thread M8 x 1 mm, self-securing |
| Protection | IP67 inserted and tightened (EN 60529) | | |
| Temperature range | -25...+85 °C | | -30...+80 °C |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.i | <div style="display: flex; justify-content: space-around; align-items: center;"> <u>7</u> <u>0</u> <u>0</u> <u>0</u> - _____ - <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> </div> | | |
| | 1 Form | | |
| Notes | Other versions on request. | | |

T-couplers M8, M12, 7/8"

T-COUPPLERS M8, M12, 7/8"

M12 - M12

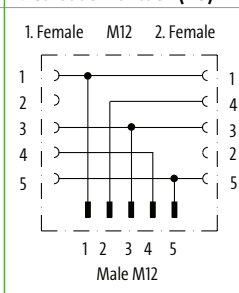
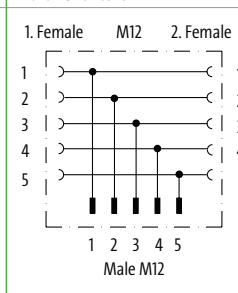
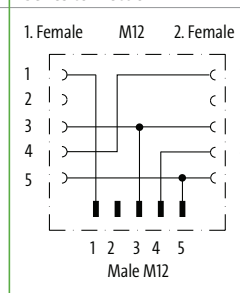
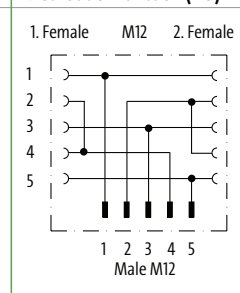
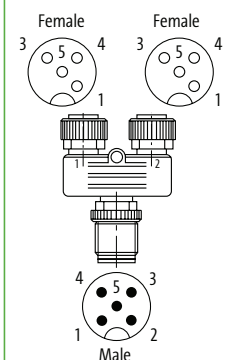
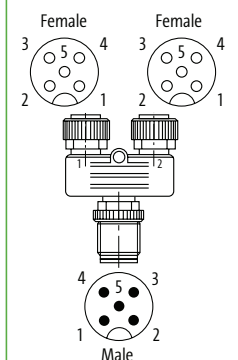
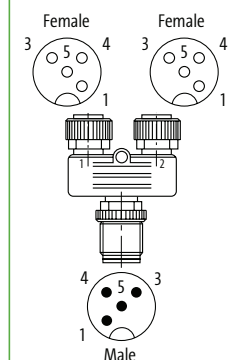
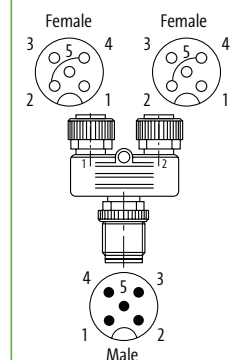
T-coupler

Male straight - female straight



Approvals:  UL US Listed

T-couplers M8, M12, 7/8"

| 1 Form | 41121 | 41141 | 41161 | 41181 |
|---|--|--|---|--|
| Type | 5-pole | 5-pole | 4-pole | 5-pole |
| Distribution function (NO) | | Parallel circuit | Series connection | Distribution function (NO) |
| Circuit diagram | <p>1. Female M12 2. Female</p>  <p>Male M12</p> | <p>1. Female M12 2. Female</p>  <p>Male M12</p> | <p>1. Female M12 2. Female</p>  <p>Male M12</p> | <p>1. Female M12 2. Female</p>  <p>Male M12</p> |
| Contact layout |  <p>Female</p> <p>Male</p> |  <p>Female</p> <p>Male</p> |  <p>Female</p> <p>Male</p> |  <p>Female</p> <p>Male</p> |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | | | |
| Operating voltage (only UL listed) | 30 V AC/DC | | | |
| Rated surge voltage | 1.5 kV | | | |
| Operating current per contact | max. 4 A | | | |
| Material group | IEC 60664-1, category I | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP67 inserted and tightened (EN 60529) | | | |
| Locking material | Zinc die casting, matte nickel plated | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.i | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |
| Notes | Other versions on request. | | | |

T-COUPLERS M8, M12, 7/8"

M12 - M12

T-coupler (Slim Line)

Male straight - female straight



T-coupler (Slim Line)

Male straight - female straight with LED



Approvals: UL US Listed

| 1 Form | 41131 | 41151 | 41191 | 41135 |
|---|---|--|--|--|
| Type | 5-pole | 5-pole | 5-pole | 5-pole with 3 × LED (PNP) |
| Distribution function (NO) | | Parallel circuit | | |
| Circuit diagram | <p>1. Female M12 2. Female</p> <p>Male M12</p> | <p>1. Female M12 2. Female</p> <p>Male M12</p> | <p>1. Female M12 2. Female</p> <p>Male M12</p> | <p>1. Female M12 2. Female</p> <p>Male M12</p> |
| Contact layout | | | | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | | | 24 V DC ±25% |
| Operating voltage (only UL listed) | 30 V AC/DC | | | 30 V DC |
| Rated surge voltage | 1.5 kV | | | 0.8 kV |
| Operating current per contact | max. 4 A | | | |
| Locking of ports | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP67 inserted and tightened (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.i | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |
| Notes | Other versions on request. | | | |

T-couplers M8, M12, 7/8"

T-COUPLERS M8, M12, 7/8"

Industrial Ethernet

– M12 - M12

T-coupler

Female straight - male/female straight



T-coupler

Female straight - female straight



1 Form

47301

47311

Type

4-/8-pole, shielded

4-/8-pole, shielded

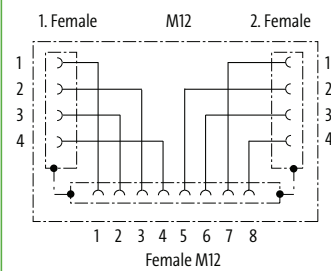
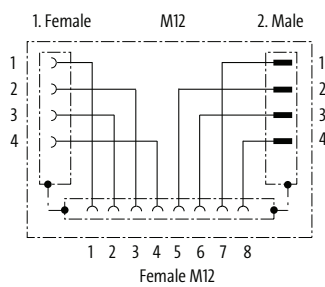
Y-coded, D-coded

Y-coded, D-coded

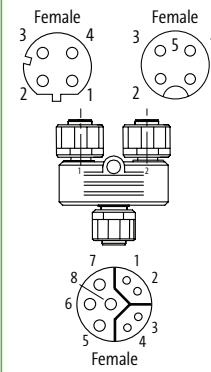
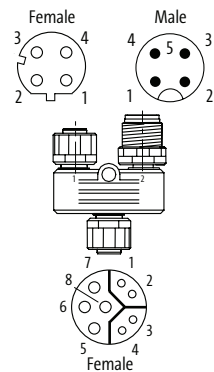
Distribution function (NO)

Distribution function (NO)

Circuit diagram



Contact layout



Technical Data

| | |
|-------------------------------|---|
| Operating voltage | max. 30 V DC |
| Rated surge voltage | 0.8 kV |
| Operating current per contact | 4 A (Power), 0.5 A (Data) |
| Material group | IEC 60664-1, category I |
| Transfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Transfer rate | to 100 Mbit/s Full Duplex |
| Locking of ports | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing |
| Protection | IP54 inserted and tightened (EN 60529) |
| Locking material | Zinc die casting, matte nickel plated |
| Temperature range | -25...+85 °C |

Article No.

The composition of your article number is explained on page 3.1.i

7 0 0 0

— — — —

0 0 0

0 0 0 0

1 Form

Notes

Other versions on request.

T-COUPLERS M8, M12, 7/8"

7/8" - 7/8"



T-coupler

Female straight - male/female straight



| | |
|---|---|
| 1 Form | 50061 |
| Type | 5-pole |
| Circuit diagram | <p>Parallel circuit</p> <p>Male 7/8" 1. Female</p> |
| Contact layout | |
| Technical Data | |
| Operating voltage | max. 50 V AC/DC |
| Operating current per contact | max. 8 A |
| Protection | IP67 inserted and tightened (EN 60529) |
| Locking material | Zinc die casting |
| Temperature range | -20...+80 °C |
| Article No. | |
| The composition of your article number is explained on page 3.1.i | 7 0 0 0 - 5 0 0 6 1 - 0 0 0 0 |
| | 1 Form |
| Notes | Other versions on request. |

T-COUPPLERS M8, M12, 7/8"

| Mounting accessories | | | Art-No. |
|---|---|-------------------|-------------------|
|  | Holding plate for T-couplers M12 (SlimLine) | with mounting set | 7000-99062-000000 |
|  | Mounting clamp | | 7000-99063-000000 |

T-couplers M8, M12, 7/8"