



CONNECTORS FOR FIELDBUS

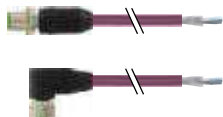
- Wide range of M8, M12 and RJ45 connectors
- 360° shielding
- Flex rated cables

FROM AS-INTERFACE TO ETHERNET TO PROFIBUS AND MORE...

Murrelektronik offers connection accessories for the fieldbus products. In addition to both field-wireable M12 and RJ45 connectors we have a wide range of pre-wired, molded models. Both the 15° locking mechanism and the PUR molding ensure an IP65/67 rated connection which make the connectors suitable for many rough industrial environments.



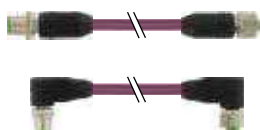
PROFIBUS



With open ended wires

M12 male/female (shielded)
• Straight/90°

Page 3.6.1



Connection Cables

M12 male – M12 female (shielded)
• Straight/90°

Page 3.6.3

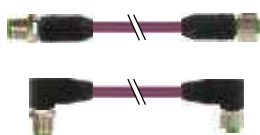
DeviceNet, CANopen



With open ended wires

M12 male/female
• Straight/90°

Page 3.6.4



Connection Cables

M12 male – M12 female
• Straight/90°

Page 3.6.6

EtherNet, EtherCAT, PROFINET



With open ended wires

M8 male/female (shielded)
• Straight/90°

Connection Cables

M8 male – M8 female/M8 female/RJ45 male (shielded)
• Straight/90°

Page 3.6.7



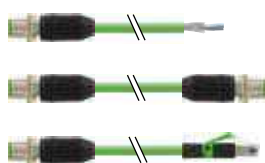
With open ended wires

M8 female
• Straight/90°

Connection Cables

M8 male – M8 female
• Straight/90°

Page 3.6.10



With open ended wires

M12 male/female (shielded)
• Straight/90°

Connection Cables

M12 male – M12 male/M12 female/RJ45 male (shielded)
• Straight/90°

Page 3.6.12



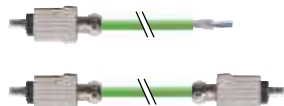
With open ended wires

RJ45 male (shielded)
• Straight/90°

Connection Cables

RJ45 male – RJ45 male/M12 female flange plug (shielded)
• Straight/90°

Page 3.6.21



With open ended wires

RJ45 male Push Pull Power
• Straight

Connection Cables

RJ45 male Push Pull Power – RJ45 male Push Pull Power
• Straight

Page 3.6.26

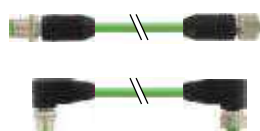
Cube67



With open ended wires

M12 female
• Straight/90°

Page 3.6.28



Connection Cables

M12 male – M12 female (shielded)
• Straight/90°

Page 3.6.29

AS-Interface



Connection Cables
for MASI68

M12 male – M12 female
• Straight

Page 3.6.30

PROFIBUS

– with open ended wires M12



* only for products with UL/CSA approved cable

Male
straight



Male
90°



| | | | |
|---|-----------------------------|--|-----------------------------|
| 1 Form | | 14051 | 14081 |
| Type | 2-pole, shielded B-coded | | 2-pole, shielded B-coded |
| Circuit diagram | | | |
| Contact layout | <p>Male</p> | | |
| 2 Cable Type | | Jacket Color | Jacket Color |
| 1x2x0.25 mm ² | | violet | violet |
| PUR (UL/CSA), C-tracks | | 841 | 841 |
| PUR (UL/CSA), Highspeed C-track | | 840 | 840 |
| PUR (UL/CSA), Torsion | | 843 | 843 |
| PVC (UL), C-tracks | | 850 | 850 |
| Terminator M12 (male) | | 7000-14041-0000000 | |
| Control cabinet entry system M12 | | 7000-44111-0000000 | |
| 3 Cable Length | | | |
| 1.5 m | | 0150 | |
| 3.0 m | | 0300 | |
| 5.0 m | | 0500 | |
| 7.5 m | | 0750 | |
| 10.0 m | | 1000 | |
| Technical Data | | | |
| Operating voltage | | max. 60 V AC/DC | |
| Protection | | IP65, IP66K, IP67 inserted and tightened (EN 60529) | |
| Temperature range | | -25...+85 °C, depending on cable quality | |
| 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;"> 7 0 0 0 - - - - - - </div> | |
| | | 1 Form | 2 Cable Type |
| | | | 3 Cable Length |
| Notes | | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

PROFIBUS

– Connection cables M12 - M12



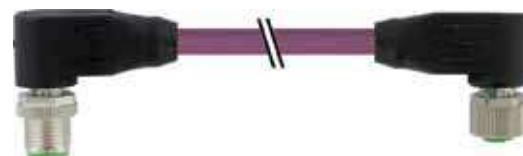
* only for products with UL/CSA approved cable

Male
straight

Female
straight

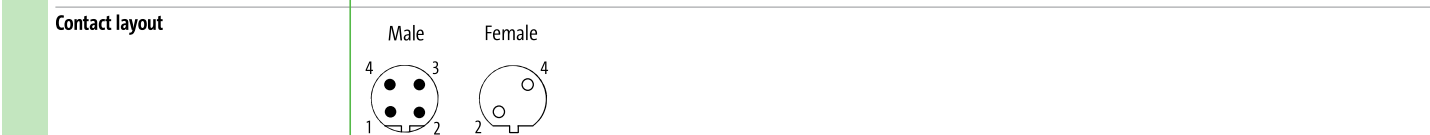
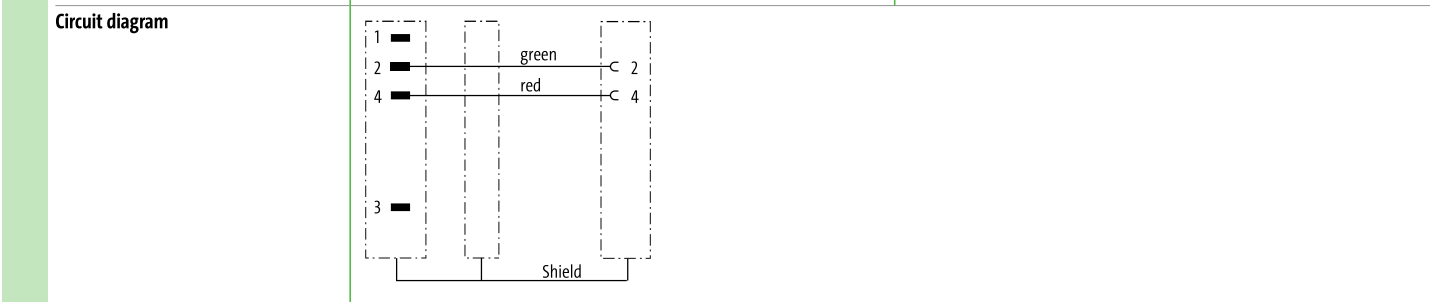
Male
90°

Female
90° *stay connected*



1 Form **44001** **44021**

Type 2-pole, shielded B-coded



2 Cable Type **Jacket Color** **Jacket Color**

| | | |
|---------------------------------|--------|--------|
| 1x2x0.25 mm ² | violet | violet |
| PUR (UL/CSA), C-tracks | 841 | 841 |
| PUR (UL/CSA), Highspeed C-track | 840 | 840 |
| PUR (UL/CSA), Torsion | 843 | 843 |
| PVC (UL), C-tracks | 850 | 850 |

Terminator M12 (male) **7000-14041-0000000**
 Control cabinet entry system M12 **7000-44111-0000000**

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

Operating voltage max. 60 V AC/DC
 Protection IP65, IP66K, IP67 inserted and tightened (EN 60529)
 Temperature range -25...+85 °C, depending on cable quality

Article No.

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

7 0 0 0 - - - - -

1 Form **2 Cable Type** **3 Cable Length**

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.
 Connection accessories and general accessories can be found at the end of chapter 3.6.

Fieldbus Connectors

DeviceNet, CANopen

– with open ended wires M12



* only for products with UL/CSA approved cable



| | | | | | | | | | | | |
|---|--|---------------------|-----------------------|----------|----------|--|-------|--------|-----|-----|-----|
| 1 Form | 13105 | 13125 | | | | | | | | | |
| | Type 5-pole | Type 5-pole | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | Jacket Color | | | | | | | | | |
| 2x0.25 + 2x0.34 mm ² PUR (UL/CSA), C-tracks | <table border="1"> <tr> <td>black</td> <td>violet</td> </tr> <tr> <td>838</td> <td>803</td> </tr> </table> | black | violet | 838 | 803 | <table border="1"> <tr> <td>black</td> <td>violet</td> </tr> <tr> <td>838</td> <td>803</td> </tr> </table> | black | violet | 838 | 803 | |
| black | violet | | | | | | | | | | |
| 838 | 803 | | | | | | | | | | |
| black | violet | | | | | | | | | | |
| 838 | 803 | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | | |
| Technical Data | | | | | | | | | | | |
| Operating voltage | max. 60 V AC/DC | | | | | | | | | | |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | |
| Article No. | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.i | <table border="1"> <tr> <td><u>7</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td>-</td> <td>---</td> <td>-</td> <td>---</td> <td>---</td> </tr> </table> | | <u>7</u> | <u>0</u> | <u>0</u> | <u>0</u> | - | --- | - | --- | --- |
| <u>7</u> | <u>0</u> | <u>0</u> | <u>0</u> | - | --- | - | --- | --- | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | | | | | | | | | |

Fieldbus Connectors

DeviceNet, CANopen

– with open ended wires M12

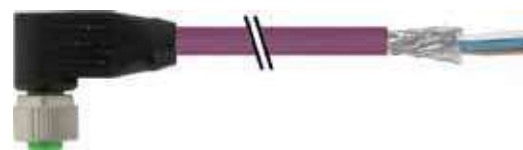


* only for products with UL/CSA approved cable

Female
straight



Female
90°



| | | | |
|---|--|---------------------|-----------------------|
| 1 Form | | 13225 | 13251 |
| Type | | 5-pole | 5-pole |
| Circuit diagram | | | |
| Contact layout | <p>Female</p> | | |
| 2 Cable Type | Jacket Color | Jacket Color | |
| 2x0.25 + 2x0.34 mm ² PUR (UL/CSA), C-tracks | black 838 | violet 803 | black 838 |
| Control cabinet entry system M12 | 7000-42111-0000000 | | |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V AC/DC | | |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.i | <p>7 0 0 0 - - - - - - - - - -</p> | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | |

DeviceNet, CANopen

– Connection cables M12 - M12

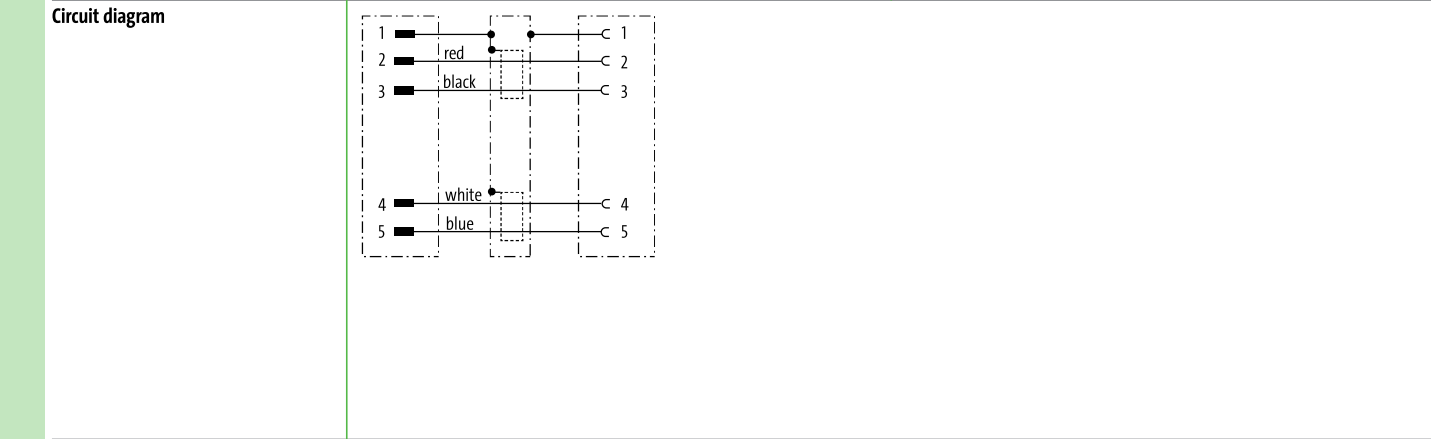


* only for products with UL/CSA approved cable



| | | |
|---------------|--------------|--------------|
| 1 Form | 40531 | 40551 |
|---------------|--------------|--------------|

| | | |
|------|--------|--------|
| Type | 5-pole | 5-pole |
|------|--------|--------|



| 2 Cable Type | Jacket Color | | Jacket Color | |
|--|--------------|--------|--------------|--------|
| | black | violet | black | violet |
| 2x0.25 + 2x0.34 mm ² PUR (UL/CSA), Ctracks | 838 | 803 | 838 | 803 |

| | |
|----------------------------------|---------------------------|
| Control cabinet entry system M12 | 7000-42111-0000000 |
|----------------------------------|---------------------------|

| 3 Cable Length | |
|----------------|-------------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

| Technical Data | |
|-------------------|---|
| Operating voltage | max. 60 V AC/DC |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

| | | | |
|----------------|----------|----------|----------|
| 7 0 0 0 | - | - | - |
|----------------|----------|----------|----------|

| | | |
|---------------|---------------------|-----------------------|
| 1 Form | 2 Cable Type | 3 Cable Length |
|---------------|---------------------|-----------------------|

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires M8



* only for products with UL/CSA approved cable

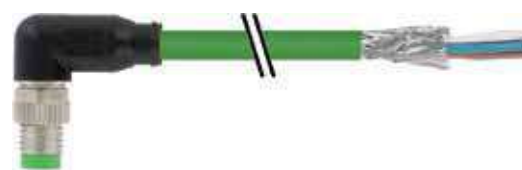
Male

straight



Male

90°



| | | | |
|---|--|---------------------|-----------------------|
| 1 Form | | 08811 | 08821 |
| Type | 4-pole, shielded | | 4-pole, shielded |
| Circuit diagram | | | |
| Contact layout | <p>Male</p> | | |
| 2 Cable Type | Jacket Color | Jacket Color | |
| 1x4x0.15 mm ² PUR (UL/CSA), Ctracks | green 791 | green 791 | |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 30 V AC/DC | | |
| Protection | IP67 inserted and tightened (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.i | <p>7 0 0 0 - - - - - - - - - -</p> | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | |

Industrial Ethernet

– Connection cables M8 - M8



* only for products with UL/CSA approved cable



| | | |
|---|---|-----------------------|
| 1 Form | 89701 | 89771 |
| | 4-pole, shielded | 4-pole, shielded |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| 1x4x0.15 mm ² PUR (UL/CSA), C-tracks | green 791 | green 791 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 50 V AC/60 V DC | |
| Protection | IP67 inserted and tightened (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| 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;"> 7 0 0 0 - _ - _ _ _ </div> | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

Industrial Ethernet

– Connection cables M8 - RJ45



* only for products with UL/CSA approved cable

Male straight

Male straight

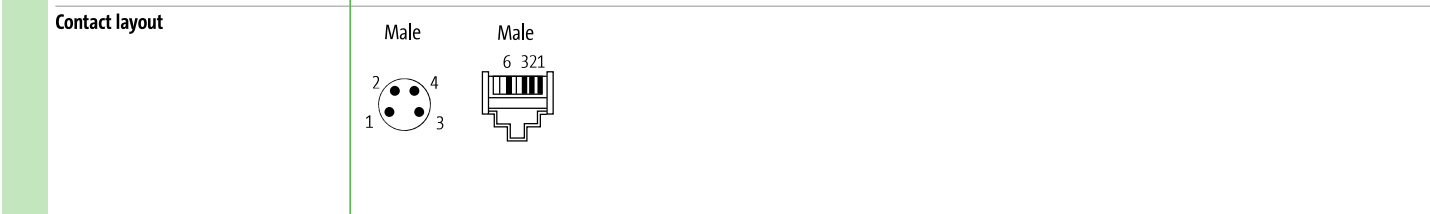
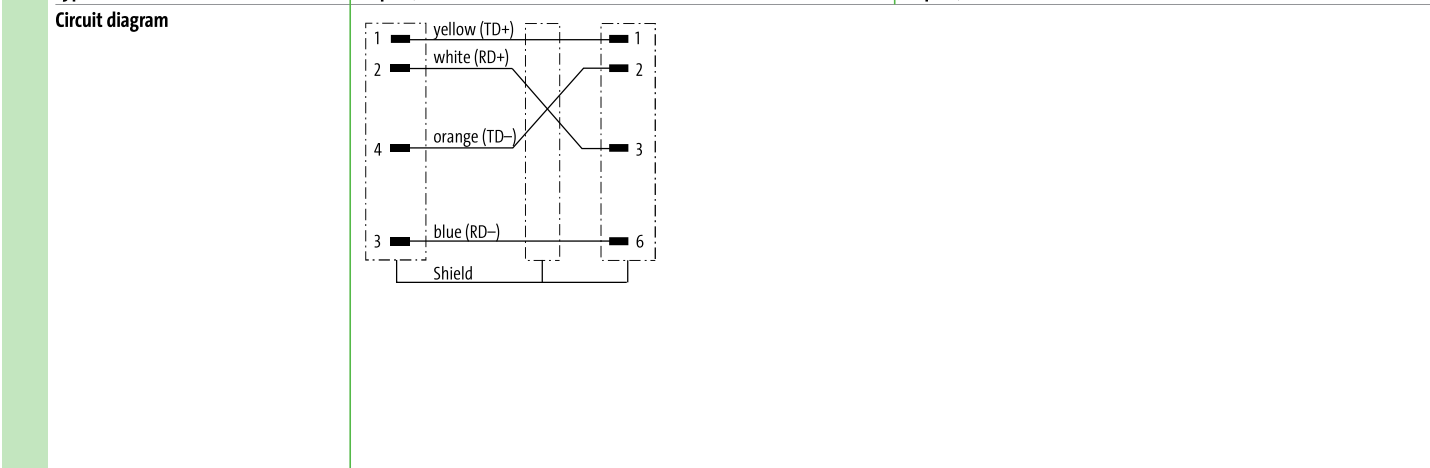
Male 90°

Male straight *stay connected*



| | | |
|---------------|--------------|--------------|
| 1 Form | 89721 | 89781 |
|---------------|--------------|--------------|

| | | |
|------|------------------|------------------|
| Type | 4-pole, shielded | 4-pole, shielded |
|------|------------------|------------------|



| | | |
|---------------------|--|---------------------|
| 2 Cable Type | Jacket Color | Jacket Color |
| | 1x4x0.15 mm ² PUR (UL/CSA), C-tracks | green 791 |

| | | |
|-----------------------|--------|-------------|
| 3 Cable Length | 1.5 m | 0150 |
| | 3.0 m | 0300 |
| | 5.0 m | 0500 |
| | 7.5 m | 0750 |
| | 10.0 m | 1000 |

| | | |
|-----------------------|-------------------|--|
| Technical Data | Operating voltage | max. 60 V DC |
| | Protection | IP67 (M8) - IP20 (RJ45) |
| | Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

| | | | |
|----------|----------|----------|----------|
| 7 | 0 | 0 | 0 |
| ----- | | | |
| ----- | | | |

| | | |
|---------------|---------------------|-----------------------|
| 1 Form | 2 Cable Type | 3 Cable Length |
|---------------|---------------------|-----------------------|

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires M8

– EtherCAT Power

EtherCAT 

Approvals: 

* only for products with UL/CSA approved cable

Female
straight



Female
90°



1 Form

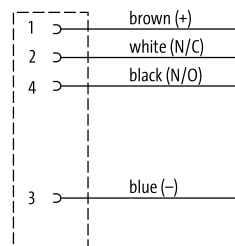
08871

08881

Type
Circuit diagram

4-pole

4-pole



Contact layout

Female



2 Cable Type

Jacket Color

Jacket Color

Wire diameter 0.34 mm²
PUR (UL/CSA), robots/C-tracks

black
634

black
634

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 50 V AC/60 V DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0

-

-

7 0 0 5

M8 Lite (plastic hexagonal screw) on request

1

Form

2

Cable Type

3

Cable Length

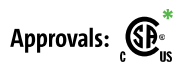
Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– Connection cables M8 - M8

– EtherCAT Power



* only for products with UL/CSA approved cable

Male
straight

Female
straight

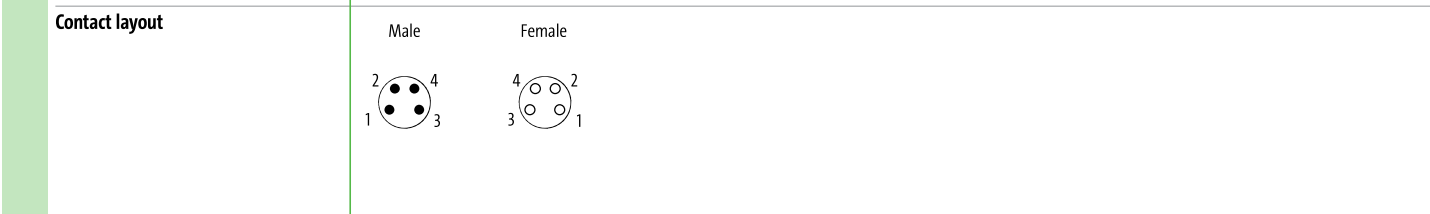
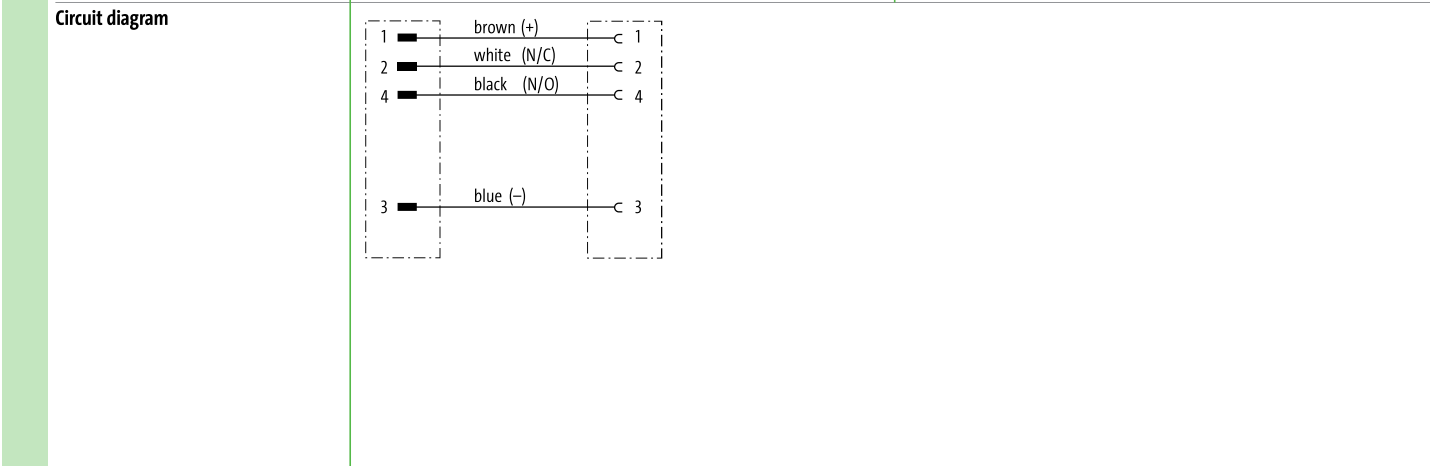
Male
90°

Female
90° *stay connected*



1 Form **89401** **89431**

Type 4-pole 4-pole



2 Cable Type **Jacket Color** **Jacket Color**

| | | |
|---|--------------|--------------|
| Wire diameter 0.34 mm ² PUR (UL/CSA), robots/C-tracks | black 634 | black 634 |
|---|--------------|--------------|

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 50 V AC/60 V DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - - - - - - -

7 0 0 5 M8 Lite (plastic hexagonal screw) on request

1 Form **2 Cable Type** **3 Cable Length**

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires M12

EtherNet/IP EtherCAT

PROFINET

Approvals:  

* only for products with UL/CSA approved cable

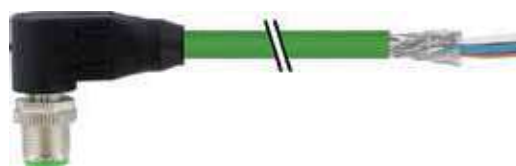
Male

straight



Male

90°



1 Form

14541

14561

Type

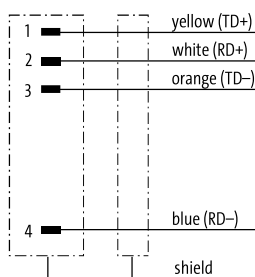
4-pole, shielded

4-pole, shielded

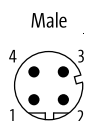
D-coded

D-coded

Circuit diagram



Contact layout



2 Cable Type

Jacket Color

Jacket Color

| Cable Type | green | black | red | green | black | red |
|--|-------|-------|-----|-------|-------|-----|
| 1×4×0.34 mm ² PVC (UL/CSA), C-tracks | 800 | | | 800 | | |
| PUR (UL/CSA), Torsion | 793 | | | 793 | | |
| 2×2×0.34 mm ² PUR (UL/CSA) | 794 | | | 794 | | |
| PUR (UL/CSA), robots/C-tracks | 796 | 851 | 792 | 796 | 851 | 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | | | 659 | | |

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|---|
| Operating voltage | max. 60 V DC |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - -

1 Form

2 Cable Type

3 Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires M12

– Hybrid cable



* only for products with UL/CSA approved cable

Male

straight



Female

straight



| | | | | | | | | | | |
|---|--|-----------------------------|-----------------------|-----|-----|---|-------|-------|-----|-----|
| 1 Form | 15501 | 15551 | | | | | | | | |
| Type | 8-pole, shielded Y-coded | 8-pole, shielded Y-coded | | | | | | | | |
| Circuit diagram | | | | | | | | | | |
| Contact layout | <p>Male</p> | <p>Female</p> | | | | | | | | |
| 2 Cable Type | Jacket Color | Jacket Color | | | | | | | | |
| 4×0.5 + 1×4×0.14 mm ² PUR (UL/CSA), robots/C-tracks | <table border="1"> <tr> <td>black</td> <td>green</td> </tr> <tr> <td>805</td> <td>831</td> </tr> </table> | black | green | 805 | 831 | <table border="1"> <tr> <td>black</td> <td>green</td> </tr> <tr> <td>805</td> <td>831</td> </tr> </table> | black | green | 805 | 831 |
| black | green | | | | | | | | | |
| 805 | 831 | | | | | | | | | |
| black | green | | | | | | | | | |
| 805 | 831 | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | |
| Technical Data | | | | | | | | | | |
| Operating voltage | max. 50 V AC/DC | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | |
| Article No. | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.i | <table border="1"> <tr> <td>7</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | | 7 | 0 | 0 | 0 | - | - | - | - |
| 7 | 0 | 0 | 0 | - | - | - | - | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | | | | | | | | |

Industrial Ethernet

– with open ended wires M12

– Hybrid cable



* only for products with UL/CSA approved cable

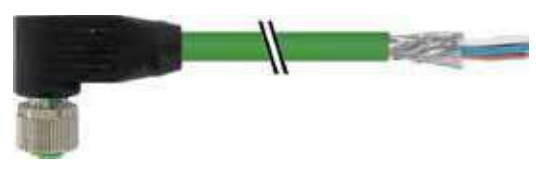
Male

90°



Female

90°



1 Form

15521

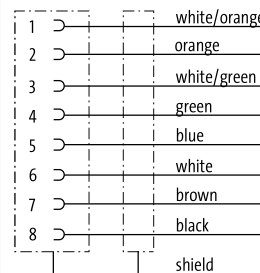
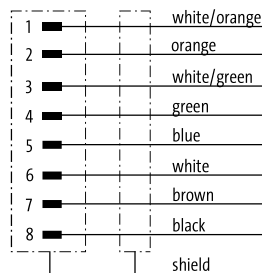
15571

Type

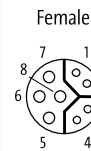
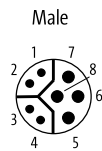
8-pole, shielded

8-pole, shielded

Circuit diagram



Contact layout



2 Cable Type

Jacket Color

Jacket Color

4×0.5 + 1×4×0.14 mm²
PUR (UL/CSA), robots/C-tracks

| | |
|-------|-------|
| black | green |
| 805 | 831 |

| | |
|-------|-------|
| black | green |
| 805 | 831 |

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 50 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - -

1 Form

2 Cable Type

3 Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires M12

– Gigabit Ethernet CAT6A

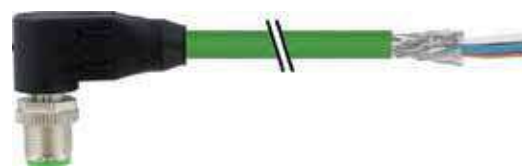
Male

straight



Male

90°



* only for products with UL/CSA approved cable

| | | |
|---|--|-----------------------------|
| 1 Form | 210 01 | 210 21 |
| Approvals | cULus * | |
| Type | 8-pole, shielded X-coded | 8-pole, shielded X-coded |
| Circuit diagram | | |
| Contact layout | <p>Male</p> | |
| 2 Cable Type | Jacket Color | Jacket Color |
| 4x2x0.14 mm ² PUR (UL/CSA) | green 790 | green 790 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 50 V AC/60 V DC | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.i | <p>7 0 0 0 - - - - - - - - - -</p> | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

Industrial Ethernet

– Connection cables M12 - M12

EtherNet/IP EtherCAT

PROFI
NET

Approvals:  

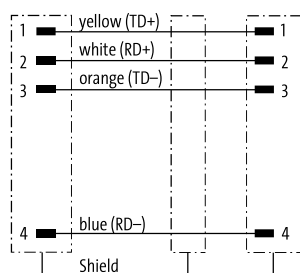
* only for products with UL/CSA approved cable



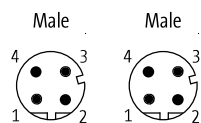
1 Form

| | | |
|-------------|-----------------------------|-----------------------------|
| Form | 4 4 5 1 1 | 4 4 5 6 1 |
| Type | 4-pole, shielded D-coded | 4-pole, shielded D-coded |

Circuit diagram



Contact layout



2 Cable Type

| Cable Type | Jacket Color | | | Jacket Color | | |
|-------------------------------|--------------|-------|-----|--------------|-------|-----|
| 1x4x0.34 mm ² | green | black | red | green | black | red |
| PVC (UL/CSA), C-tracks | 800 | | | 800 | | |
| PUR (UL/CSA), Torsion | 793 | | | 793 | | |
| 2x2x0.34 mm ² | | | | | | |
| PUR (UL/CSA) | 794 | | | 794 | | |
| PUR (UL/CSA), robots/C-tracks | 796 | 851 | 792 | 796 | 851 | 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | | | 659 | | |

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|---|
| Operating voltage | max. 60 V DC |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

| | | | | | | | | |
|----------|----------|----------|----------|----------|---|---|---|---|
| 7 | 0 | 0 | 0 | 0 | - | - | - | - |
|----------|----------|----------|----------|----------|---|---|---|---|

1 Form **2** Cable Type **3** Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– Connection cables M12 - RJ45

EtherNet/IP EtherCAT



* only for products with UL/CSA approved cable

Male straight



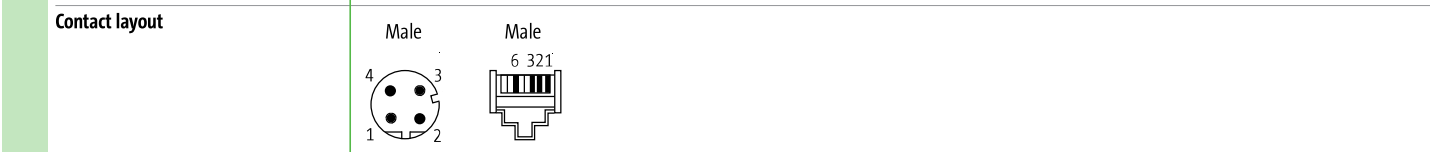
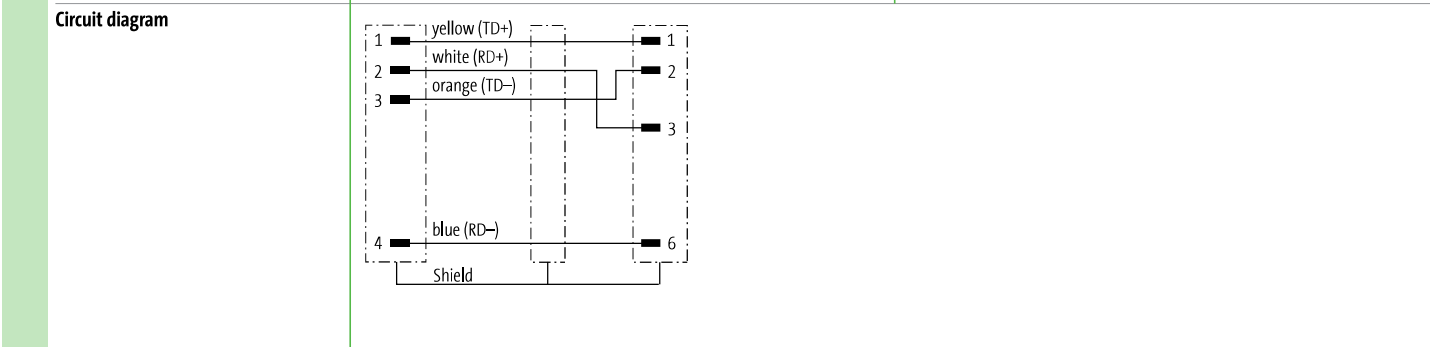
Male straight

Male straight



stay connected
Male 45° on bottom

| | | |
|---------------|-----------------------------|-----------------------------|
| 1 Form | 4 4 7 1 1 | 4 4 7 3 1 |
| Type | 4-pole, shielded D-coded | 4-pole, shielded D-coded |



| 2 Cable Type | Jacket Color | | | Jacket Color | | |
|--|--------------|-------|-----|--------------|-------|-----|
| | green | black | red | green | black | red |
| 1×4×0.34 mm ² PVC (UL/CSA), C-tracks | 800 | | | 800 | | |
| PUR (UL/CSA), Torsion | 793 | | | 793 | | |
| 2×2×0.34 mm ² PUR (UL/CSA) | 794 | | | 794 | | |
| PUR (UL/CSA), robots/C-tracks | 796 | 851 | 792 | 796 | 851 | 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | | | 659 | | |

| 3 Cable Length | |
|----------------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

| Technical Data | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP67 (M12) - IP20 (RJ45) |
| Temperature range | -25...+85 °C, depending on cable quality |

| Article No. | |
|---|--------------------------|
| The composition of your article number is explained on page 3.1.i | 7 0 0 0 - - - - - |

| | | | |
|--|---------------|---------------------|-----------------------|
| | 1 Form | 2 Cable Type | 3 Cable Length |
|--|---------------|---------------------|-----------------------|

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

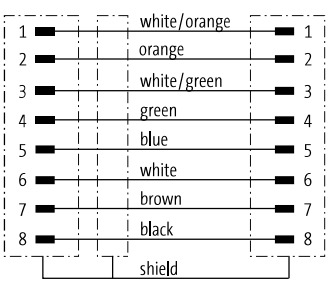
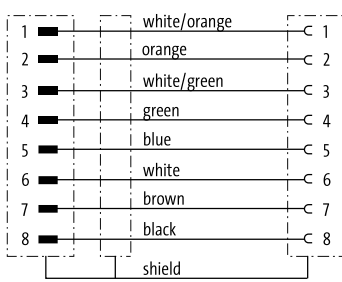
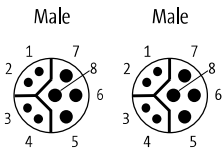
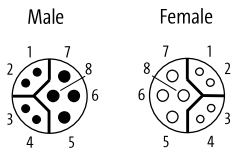
– Connection cables M12 - M12

– Hybrid cable

Approvals:  ^{*}
Listed

* only for products with UL/CSA approved cable



| 1 Form | 47001 | 47021 | 47051 | | | | | | | | | | |
|---|--|-----------------------------|---|----------|----------|---|----------|-------|-----|-----|---|-------|-----|
| Type | 8-pole, shielded Y-coded | 8-pole, shielded Y-coded | 8-pole, shielded Y-coded | | | | | | | | | | |
| Circuit diagram |  | |  | | | | | | | | | | |
| Contact layout |  | |  | | | | | | | | | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color | | | | | | | | | | |
| 4×0.5 + 1×4×0.14 mm ² PUR (UL/CSA), robots/C-tracks | <table border="1"> <tr> <td>black</td> <td>green</td> </tr> <tr> <td>805</td> <td>831</td> </tr> </table> | black | green | 805 | 831 | <table border="1"> <tr> <td>black</td> <td>green</td> </tr> <tr> <td>805</td> <td>831</td> </tr> </table> | black | green | 805 | 831 | <table border="1"> <tr> <td>green</td> </tr> <tr> <td>831</td> </tr> </table> | green | 831 |
| black | green | | | | | | | | | | | | |
| 805 | 831 | | | | | | | | | | | | |
| black | green | | | | | | | | | | | | |
| 805 | 831 | | | | | | | | | | | | |
| green | | | | | | | | | | | | | |
| 831 | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | |
| Operating voltage | max. 50 V AC/DC | | | | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.i | <table border="1"> <tr> <td><u>7</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | | | <u>7</u> | <u>0</u> | <u>0</u> | <u>0</u> | - | - | - | - | | |
| <u>7</u> | <u>0</u> | <u>0</u> | <u>0</u> | - | - | - | - | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | | | | | | | | | | | |

Industrial Ethernet

– Connection cables M12 - M12

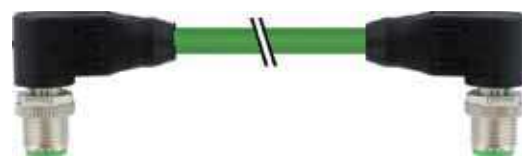
– Gigabit Ethernet CAT6A

Male
straight

Male
straight

Male
90°

stay connected
Male
90°



* only for products with UL/CSA approved cable

| | | |
|---|---|-----------------------------|
| 1 Form | 51001 | 51021 |
| Approvals | cULus * | |
| Type | 8-pole, shielded X-coded | 8-pole, shielded X-coded |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| 4x2x0.14 mm ² PUR (UL/CSA) | green 790 | green 790 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 50 V AC/60 V DC | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.i | <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> 7 0 0 0 - - - - </div> | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

Industrial Ethernet

– Connection cables M12 - RJ45

– Gigabit Ethernet CAT6A

Male
straight

Male
straight

Male
straight

Flange female
straight



1 Form

51101

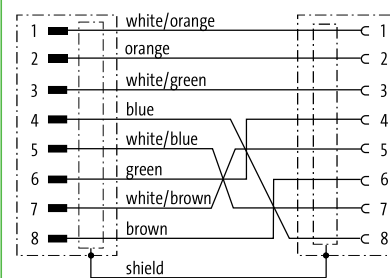
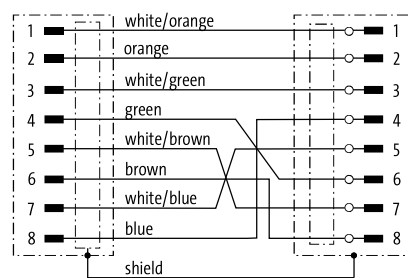
51551

Type

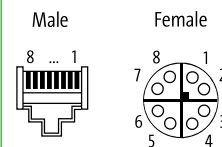
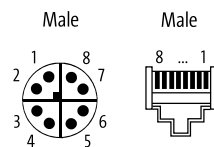
8-pole, shielded

8-pole, shielded

Circuit diagram



Contact layout



2 Cable Type

Jacket Color

Jacket Color

4×2×0.14 mm²

green

green

PUR (UL/CSA)

790

790

3 Cable Length

| | |
|--------|-------------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP67 (M12) - IP20 (RJ45) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - -

1 Form

2 Cable Type

3 Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Industrial Ethernet

– with open ended wires RJ45

EtherNet/IP EtherCAT

PROFINET

Approvals:  ^{*}
Listed

* only for products with UL/CSA approved cable

Male

straight



Male

45° on top



Male

45° on bottom



| 1 Form | 74101 | 74121 | 74141 |
|---|---|------------------|------------------|
| Type | 4-pole, shielded | 4-pole, shielded | 4-pole, shielded |
| Circuit diagram |  | | |
| Contact layout |  | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| 1×4×0.34 mm ² | green black red | green black red | green black red |
| PVC (UL/CSA), C-tracks | 800 | 800 | 800 |
| PUR (UL/CSA), Torsion | 793 | 793 | 793 |
| 2×2×0.34 mm ² | | | |
| PUR (UL/CSA) | 794 | 794 | 794 |
| PUR (UL/CSA), robots/C-tracks | 796 851 792 | 796 851 792 | 796 851 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | 659 | 659 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V DC | | |
| Protection | IP20 inserted and tightened (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| 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;"> 7 0 0 0 - _ - _ _ _ </div> | | |
| | 1 | 2 | 3 |
| | Form | Cable Type | Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | |

Industrial Ethernet

– with open ended wires RJ45

EtherNet/IP EtherCAT



* only for products with UL/CSA approved cable



| | | |
|---------------|--------------|--------------|
| 1 Form | 74161 | 74181 |
|---------------|--------------|--------------|

| | | |
|------|------------------|------------------|
| Type | 4-pole, shielded | 4-pole, shielded |
|------|------------------|------------------|



| Cable Type | Jacket Color | | | Jacket Color | | |
|-------------------------------|--------------|-------|-----|--------------|-------|-----|
| | green | black | red | green | black | red |
| 1x4x0.34 mm ² | 800 | | | 800 | | |
| PVC (UL/CSA), C-tracks | 800 | | | 800 | | |
| PUR (UL/CSA), Torsion | 793 | | | 793 | | |
| 2x2x0.34 mm ² | | | | | | |
| PUR (UL/CSA) | 794 | | | 794 | | |
| PUR (UL/CSA), robots/C-tracks | 796 | 851 | 792 | 796 | 851 | 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | | | 659 | | |

| 3 Cable Length | |
|----------------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

| Technical Data | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP20 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

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> | - | - | - |
|-------------------------------------|---|---|---|

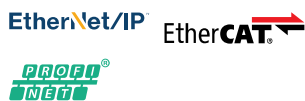
| | | |
|---------------|---------------------|-----------------------|
| 1 Form | 2 Cable Type | 3 Cable Length |
|---------------|---------------------|-----------------------|

Notes
 Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.
 Connection accessories and general accessories can be found at the end of chapter 3.6.

Fieldbus Connectors

Industrial Ethernet

– Connection cables RJ45 - RJ45



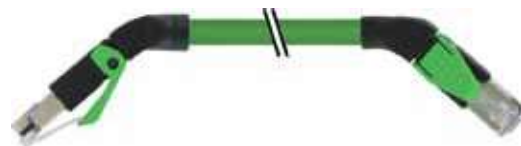
* only for products with UL/CSA approved cable

Male straight



Male straight

Male 45° on bottom



stay connected
Male 45° right

| | | |
|---------------|--------------|--------------|
| 1 Form | 74301 | 74521 |
|---------------|--------------|--------------|

| | | |
|------|------------------|------------------|
| Type | 4-pole, shielded | 4-pole, shielded |
|------|------------------|------------------|

| | | |
|-----------------|--|--|
| Circuit diagram | | |
| Contact layout | | |

| 2 Cable Type | Jacket Color | | | Jacket Color | | |
|--|--------------|-------|-----|--------------|-------|-----|
| | green | black | red | green | black | red |
| 1×4×0.34 mm ² PVC (UL/CSA), C-tracks | 800 | | | 800 | | |
| PUR (UL/CSA), Torsion | 793 | | | 793 | | |
| 2×2×0.34 mm ² PUR (UL/CSA) | 794 | | | 794 | | |
| PUR (UL/CSA), robots/C-tracks | 796 | 851 | 792 | 796 | 851 | 792 |
| PUR (UL/CSA), C-tracks, 600 V | 659 | | | 659 | | |

| 3 Cable Length | |
|----------------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

| Technical Data | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP20 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

| Article No. | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|---|---|---|
| The composition of your article number is explained on page 3.1.i | <table border="1"> <tr> <td>7</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | 7 | 0 | 0 | 0 | - | - | - | - |
| 7 | 0 | 0 | 0 | - | - | - | - | | |

| | | |
|---------------|---------------------|-----------------------|
| 1 Form | 2 Cable Type | 3 Cable Length |
|---------------|---------------------|-----------------------|

| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. |
|-------|--|
|-------|--|

Industrial Ethernet

– Connection cables RJ45 - RJ45

– Gigabit Ethernet CAT6A

Male

straight

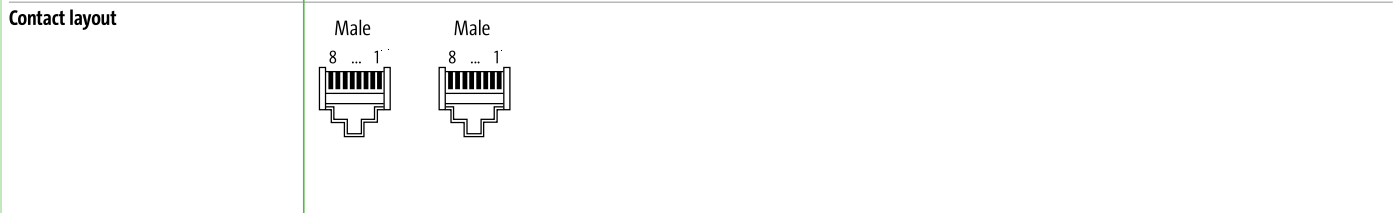
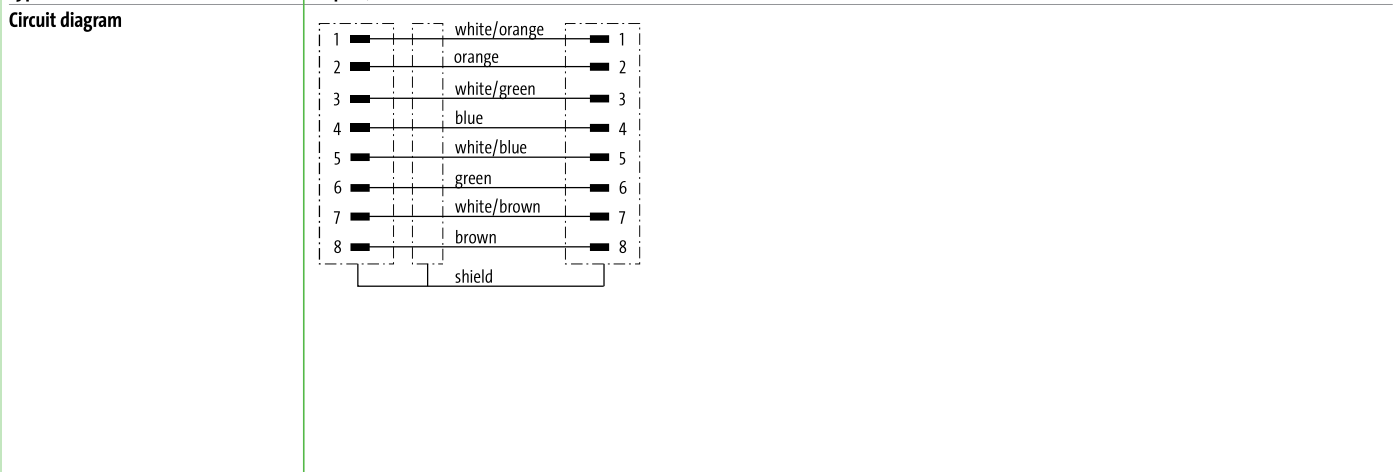
Male

straight



1 Form 74311

Type **8-pole, shielded**



2 Cable Type Jacket Color

| | |
|--------------------------|-------|
| 4x2x0.14 mm ² | green |
| PUR (UL/CSA) | 790 |

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP20 inserted and tightened (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

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>7</u> <u>4</u> <u>3</u> <u>1</u> <u>1</u> | - | _ _ _ _ | _ _ _ _ |
|-------------------------------------|---|--|---|---------|---------|

1 Form **2** Cable Type **3** Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

Cabinetline

– Connection cables RJ45 - RJ45

stay connected

Male straight

Male straight

Male straight

Male straight



| | | | | |
|---|--|--------------------------|-----------------------|-------|
| 1 Form | 74701 | 74711 | | |
| | Type 4-pole, shielded | Type 8-pole, shielded | | |
| Circuit diagram | | | | |
| Contact layout | | | | |
| 2 Cable Type | Jacket Color | Jacket Color | | |
| | 4×2×0.14 mm ² FRNC | gray | green | black |
| 2×2×0.14 mm ² FRNC, Ctracks | 777 | 478 | 380 | 578 |
| 3 Cable Length | 1.5 m | 0150 | | |
| | 3.0 m | 0300 | | |
| | 5.0 m | 0500 | | |
| | 7.5 m | 0750 | | |
| | 10.0 m | 1000 | | |
| Technical Data | Operating voltage | | | |
| | max. 60 V DC | | | |
| | Protection | | | |
| | IP20 inserted and tightened (EN 60529) | | | |
| | Temperature range | | | |
| | -25...+85 °C, depending on cable quality | | | |
| Article No. | The composition of your article number is explained on page 3.1.i | | | |
| | 7 0 0 0 | - | - | - |
| | 1 Form | 2 Cable Type | 3 Cable Length | |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | | | |

Ethernet CAT5e

– Push Pull RJ45

– AIDA conform



Approvals: ^{*}
Listed

* only for products with UL/CSA approved cable

Male
straight



Male
straight



Male
straight

1 Form

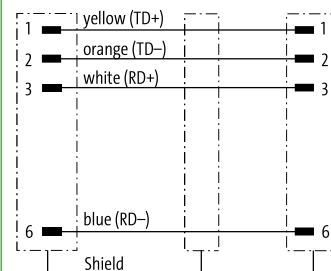
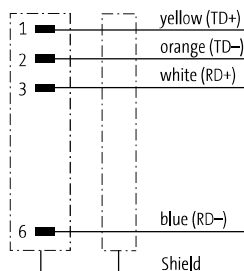
74601

74641

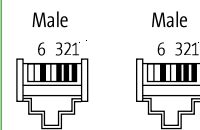
Type
Circuit diagram

4-pole, shielded

4-pole, shielded



Contact layout



2 Cable Type

Jacket Color

Jacket Color

2x2x0.34 mm²
PUR (UL/CSA)
PUR (UL/CSA), robots/C-tracks

green
794
796

green
794
796

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 60 V DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - -

1 Form

2 Cable Type

3 Cable Length

Notes

Other versions on request. Further cable lengths on request.
Connection accessories and general accessories can be found at the end of chapter 3.6.

Push Pull Power

Male
straight



Male
straight

stay connected
Male
straight



1 Form **99621** **99641**

Type 5-pole 5-pole

Circuit diagram

| | | | | |
|---|-------------------|---|-------------------|---|
| 1 | black (1) | 1 | black (1) | 1 |
| 2 | blue (2) | 2 | blue (2) | 2 |
| 3 | brown (3) | 3 | brown (3) | 3 |
| 4 | white (4) | 4 | white (4) | 4 |
| 5 | green/yellow (PE) | 5 | green/yellow (PE) | 5 |

Contact layout

2 Cable Type **Jacket Color** **Jacket Color**

| | | |
|-----------------------------------|------|------|
| Wire diameter 2.5 mm ² | gray | gray |
| PUR (UL/CSA), robots/C-tracks | 962 | 962 |

3 Cable Length

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

Technical Data

| | |
|-------------------|--|
| Operating voltage | max. 24 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -40...+85 °C, depending on cable quality |

Article No.

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

7 0 0 0 - - - - - - - - - -

1 Form **2 Cable Type** **3 Cable Length**

Notes

Other versions on request. Further cable lengths on request.
Connection accessories and general accessories can be found at the end of chapter 3.6.

Cube67

- with open ended wires M12
- Actuator supply external



* only for products with UL/CSA approved cable

Female
straight



Female
90°



| 1 Form | | 15001 | 15021 |
|--|------------|--|-----------------------|
| Type | | 2-pole | 2-pole |
| Circuit diagram | | | |
| Contact layout | Female | | |
| 2 Cable Type | | Jacket Color | |
| Wire diameter 0.5 mm ² PUR (UL/CSA), robots/C-tracks | | gray 414 | gray 414 |
| 3 Cable Length | | | |
| 1.5 m | | 0150 | |
| 3.0 m | | 0300 | |
| 5.0 m | | 0500 | |
| 7.5 m | | 0750 | |
| 10.0 m | | 1000 | |
| Technical Data | | | |
| Operating voltage | | max. 30 V AC/DC | |
| Protection | | IP67 inserted and tightened (EN 60529) | |
| Temperature range | | -25...+85 °C, depending on cable quality | |
| 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>7</u> <u>0</u> <u>0</u> <u>5</u> M12 Lite (plastic hexagonal screw) on request | |
| | | 1 Form | 2 Cable Type |
| | | | 3 Cable Length |
| Notes | | | |
| | | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

Cube67

– Connection cables M12 - M12

– Hybrid cable



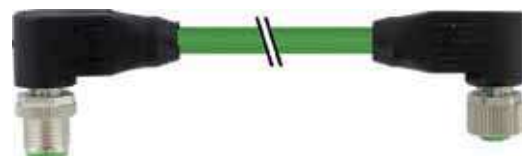
* only for products with UL/CSA approved cable

Male
straight

Female
straight

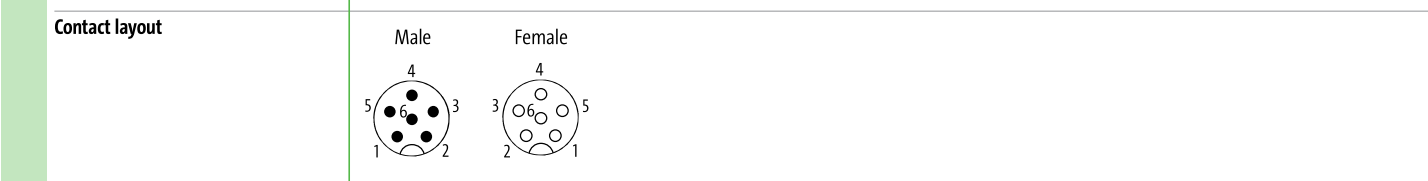
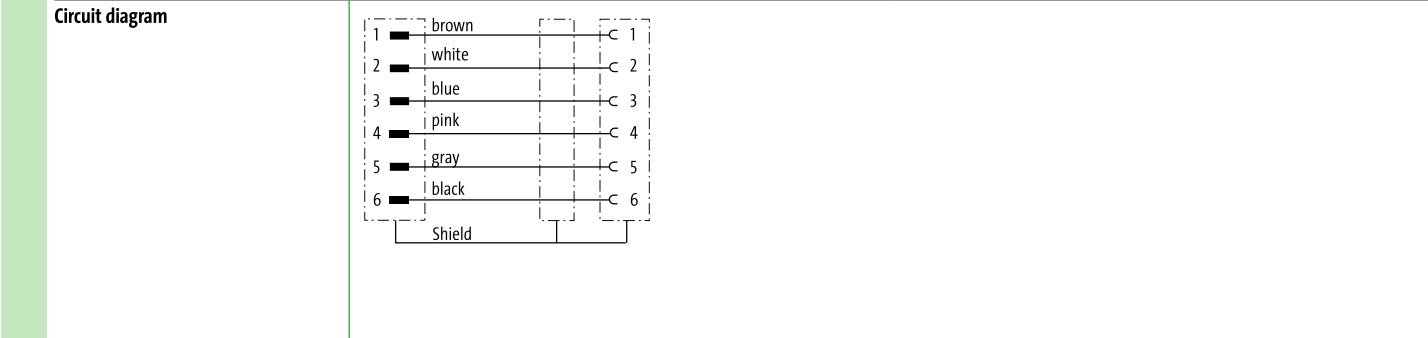
Male
90°

Female
90° *stay connected*



| | | |
|---------------|--------------|--------------|
| 1 Form | 46041 | 46061 |
|---------------|--------------|--------------|

| | | |
|------|------------------|------------------|
| Type | 6-pole, shielded | 6-pole, shielded |
|------|------------------|------------------|



| | | |
|---------------------|---------------------|---------------------|
| 2 Cable Type | Jacket Color | Jacket Color |
|---------------------|---------------------|---------------------|

| | | |
|--------------------------------|-------|-------|
| 4x0.5 + 2x0.25 mm ² | green | green |
| PUR (UL/CSA), robots/C-tracks | 802 | 802 |

| | |
|----------------------------------|--------------------|
| Terminator M12 (male) | 7000-15041-0000000 |
| Control cabinet entry system M12 | 7000-46111-0000000 |
| T-coupler M12/M12, female/male | 7000-46101-0000000 |

| | |
|-----------------------|--|
| 3 Cable Length | |
|-----------------------|--|

| | |
|--------|------|
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |

| | |
|-----------------------|--|
| Technical Data | |
|-----------------------|--|

| | |
|-------------------|--|
| Operating voltage | max. 30 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |

| | |
|--------------------|--|
| Article No. | |
|--------------------|--|

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

| | | | | | | | |
|----------|----------|----------|----------|---|---|---|---|
| 7 | 0 | 0 | 0 | - | - | - | - |
|----------|----------|----------|----------|---|---|---|---|

| | | |
|---------------|---------------------|-----------------------|
| 1 Form | 2 Cable Type | 3 Cable Length |
|---------------|---------------------|-----------------------|

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6.

AS-Interface

– Connection cables M12 - M12

– for MASI68



Approvals:

* only for products with UL/CSA approved cable

Male

straight

Female

straight



| 1 Form | 40005 | 40021 |
|---|--|-----------------------------|
| Type | 2-pole | 4-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 1.5 mm ² PUR (UL/CSA), robots/C-tracks | gray 588 | gray |
| Wire diameter 0.75 mm ² PUR (UL/CSA), robots/C-tracks | | 862 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 250 V AC/DC | |
| Protection | IP67/IP68 inserted and tightened (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.i | 7 0 6 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps. Connection accessories and general accessories can be found at the end of chapter 3.6. | |

| Connection accessories | | | Art-No. |
|---|--|---|--|
|  | T-coupler M12 – M12 Male straight - female/male straight straight, B-coded, 5-pole, shielded | PROFIBUS | 7000-44151-0000000 |
|  | T-coupler M12 – M12 Female straight - male/female straight straight, B-coded, 5-pole, shielded | PROFIBUS | 7000-44161-0000000 |
|  | T-coupler M12 – M12 Male straight - female straight straight, A-coded, 6-pole, shielded | Cube67 additional actuator power supply | 7000-46101-0000000 |
|  | T-coupler M12 – M12 Female straight - male/male straight straight, A-coded, 4-pole | MASI68 additional actuator power supply | 7060-42701-0000000 |
|  | Male M12, field-wireable, screw terminals straight, B-coded, 5-pole, shielded | PROFIBUS, Interbus Sealing range (cable Ø): 6...8 mm | 7000-14001-0000000 |
|  | Female M12, field-wireable, screw terminals straight, B-coded, 5-pole, shielded | PROFIBUS, Interbus Sealing range (cable Ø): 6...8 mm | 7000-14021-0000000 |
|  | Male M12, field-wireable, screw terminals 90°, B-coded, 5-pole, shielded 90°, D-coded, 4-pole, shielded | PROFIBUS, Interbus Sealing range (cable Ø): 6...8 mm Ethernet CAT5 Sealing range (cable Ø): 6...8 mm | 7000-14011-0000000 7000-14581-0000000 |
|  | Female M12, field-wireable, screw terminals 90°, B-coded, 5-pole, shielded | PROFIBUS, Interbus Sealing range (cable Ø): 6...8 mm | 7000-14031-0000000 |
|  | Male M12, field-wireable, IDC terminals straight, B-coded, 3-pole, shielded straight, D-coded, 4-pole, shielded | PROFIBUS Sealing range (cable Ø): 7...8.8 mm Ethernet CAT5 Sealing range (cable Ø): 4.5...8.8 mm | 7000-14201-0000000 7000-14521-0000000 |
|  | Female M12, field-wireable, IDC terminals straight, B-coded, 3-pole, shielded straight, D-coded, 4-pole, shielded | PROFIBUS Sealing range (cable Ø): 7...8.8 mm Ethernet CAT5 Sealing range (cable Ø): 4.5...8.8 mm | 7000-14221-0000000 7000-14621-0000000 |

| Connection accessories | | | Art-No. |
|---|--|--|--------------------|
|  | Male M12, field-wireable, screw terminals straight, A-coded, 5-pole | DeviceNet, CANopen Sealing range (cable Ø): 6...8 mm | 7000-12761-0000000 |
|  | Female M12, field-wireable, screw terminals straight, A-coded, 5-pole | DeviceNet, CANopen Sealing range (cable Ø): 6...8 mm | 7000-12961-0000000 |
|  | Male M12, field-wireable, screw terminals 90°, A-coded, 5-pole | DeviceNet, CANopen Sealing range (cable Ø): 6...8 mm | 7000-12881-0000000 |
|  | Female M12, field-wireable, screw terminals 90°, A-coded, 5-pole | DeviceNet, CANopen Sealing range (cable Ø): 6...8 mm | 7000-13041-0000000 |
|  | Male RJ45, field-wireable, IDC terminals straight, IP20, 4-pole, shielded | Ethernet CAT5 Sealing range (cable Ø): 4.5...9 mm | 7000-74001-0000000 |
| | straight, IP20, 8-pole, shielded | Ethernet CAT6A Sealing range (cable Ø): 4.5...9 mm | 7000-74011-0000000 |
|  | straight, IP20, 8-pole, shielded | PROFINET Ethernet CAT5 Sealing range (cable Ø): 5...9 mm | 7000-74071-0000000 |
| | straight, IP20, 8-pole, shielded | Ethernet CAT5 Sealing range (cable Ø): 5...9 mm | 7000-74075-0000000 |
|  | Male RJ45, field-wireable, IDC terminals 45°, IP20, 4-pole, shielded | Ethernet CAT5e Sealing range (cable Ø): 4.5...8 mm | 7000-74021-0000000 |
| | 45°, IP20, 8-pole, shielded | Ethernet CAT6A Sealing range (cable Ø): 4.5...8 mm | 7000-74031-0000000 |
|  | Male RJ45, field-wireable, IDC terminals 90°, IP20, 8-pole, shielded on top | Ethernet CAT5 PROFINET Sealing range (cable Ø): 5...9 mm | 7000-74081-0000000 |
| | 90°, IP20, 8-pole, shielded on top | Ethernet CAT5 Sealing range (cable Ø): 5...9 mm | 7000-74085-0000000 |
|  | 90°, IP20, 8-pole, shielded on bottom | Ethernet CAT5 PROFINET Sealing range (cable Ø): 5...9 mm | 7000-74091-0000000 |
| | 90°, IP20, 8-pole, shielded on bottom | Ethernet CAT5 Sealing range (cable Ø): 5...9 mm | 7000-74095-0000000 |

| Connection accessories | | | Art-No. |
|---|--|---|--------------------|
|  | Adapter M12/RJ45 (female/female) straight, D-coded, 4-pole, shielded | Ethernet CAT5 | 7000-44671-0000000 |
|  | Adapter M12/RJ45 (female/female) 90°, D-coded, 4-pole, shielded | Ethernet CAT5 | 7000-44681-0000000 |
|  | Adapter M12/RJ45 (female/female) straight, X-coded, 8-pole, shielded | Ethernet CAT6A | 7000-51531-0000000 |
|  | Adapter M12/RJ45 (female/female) 90°, X-coded, 8-pole, shielded | Ethernet CAT6A | 7000-51541-0000000 |
|  | Terminator M12 (male) straight, A-coded, 5-pole | DeviceNet, CANopen | 7000-13461-0000000 |
| | straight, B-coded, 4-pole | PROFIBUS | 7000-14041-0000000 |
| | straight, A-coded, 6-pole | Cube67 | 7000-15041-0000000 |
|  | Terminator 7/8" (male) straight, screw fixing, 5-pole | DeviceNet, CANopen | 7000-78301-0000000 |
|  | Male M12, field-wireable, IDC terminals straight, X-coded, 8-pole, shielded | Ethernet CAT6A Sealing range (cable Ø): 5.5...9 mm | 7000-21101-0000000 |
|  | M12 Flange female straight straight, X-coded, 8-pole, shielded Front mounting | Ethernet CAT6A | 7000-21151-0000000 |
| | straight, X-coded, 8-pole, shielded Rear mounting | Ethernet CAT6A | 7000-21161-0000000 |
|  | M12 Flange female straight straight, Y-coded, 8-pole, shielded Front mounting | Ethernet CAT5 | 7000-15701-0000000 |

Connection accessories

Art-No.



M12 Flange female 90°

90°, Y-coded, 8-pole, shielded
Front mounting

Ethernet CAT5

7000-15711-000000



Control cabinet entry system M12

straight, A-coded, 5-pole, shielded
straight, B-coded, 5-pole, shielded
straight, A-coded, 6-pole, shielded

DeviceNet, CANopen

7000-42111-000000

PROFIBUS, Interbus

7000-44111-000000

Cube67

7000-46111-000000



Control cabinet entry system M12

straight, D-coded, 4-pole, shielded (female/female)

Ethernet CAT5

7000-44611-000000



Flange M12 male, pre-wired 0.2 m

straight, B-coded, 5-pole
straight, A-coded, 5-pole

PROFIBUS, Interbus

7000-14121-9750020

DeviceNet, CANopen

7000-13521-9720020



Flange M12 female, pre-wired 0.2 m

straight, B-coded, 5-pole
straight, A-coded, 5-pole

PROFIBUS, Interbus

7000-14161-9750020

DeviceNet, CANopen

7000-13561-9720020



Flange M12 female, CAT 5, pre-wired 0.2 m

straight, D-coded, 4-pole, shielded

Ethernet CAT5

7000-14501-9760020



Push Pull Power connector, spring clamp terminals

straight, IP65/67, 5-pole

Sealing range (cable Ø): 9...13 mm

7000-99601-000000



Push Pull RJ45 data connector, IDC terminals

straight, IP65/67, 8-pole

Ethernet CAT5

7000-99591-000000

Sealing range (cable Ø): 5.5...10 mm



Push Pull RJ45 data connector, IDC terminals

straight, IP65/67, 4-pole

PROFINET IO

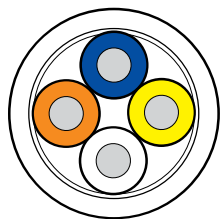
7000-74041-000000

Sealing range (cable Ø): 4...11 mm

| Connection accessories | | | Art-No. |
|---|--|--|---------------------------|
|  | Push Pull RJ45 data connector, IDC terminals 45°, IP65/67, 4-pole | PROFINET IO Sealing range (cable Ø): 6.5...9.5 mm | 7000-74061-0000000 |
|  | Push Pull SCRJ POF male, field-wireable straight, IP65/67, for POF 1 mm | PROFINET IO Sealing range (cable Ø): 6.5...9.5 mm | 7000-99701-0000000 |
|  | Push Pull SCRJ POF male, field-wireable straight, IP65/67, for POF 1 mm Connection Crimp | PROFINET IO Sealing range (cable Ø): 6.5...9.5 mm | 7000-99691-0000000 |
|  | Push Pull SCRJ POF male, field-wireable straight Connection Crimp | | 7000-99695-0000000 |
|  | Protective cover Push Pull Power | | 7000-99661-0000000 |
|  | Protective cover Push Pull RJ45 | | 7000-99671-0000000 |
|  | Cable drum (100 m) 1 × 2 × 0.64 mm ² , violet suitable for C-tracks | PROFIBUS | 7000-C0201-8400000 |
|  | Cable drum (100 m) 2 × 0.25 + 2 × 0.34 mm ² , violet suitable for C-tracks | DeviceNet, CANopen | 7000-C0201-8030000 |
| | | | |

Connection accessories

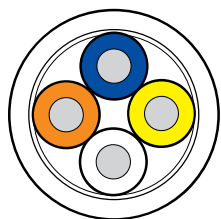
Art-No.



Cable drum (100 m)
2 × 2 × 0.34 mm², green
suitable for C-tracks

Ethernet CAT5, PROFINET IO, EtherCAT

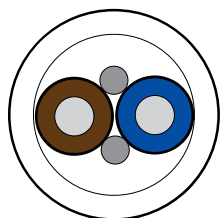
7000-C0201-7960000



Cable drum (100 m)
2 × 2 × 0.34 mm², violet
suitable for C-tracks

Ethernet CAT5, PROFINET IO, EtherCAT

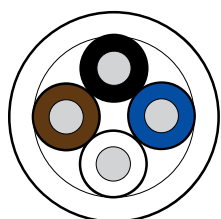
7000-C0201-7980000



Cable drum (100 m)
2 × 1.5 mm², gray
suitable for C-tracks

AS-Interface, MASI68

7000-C0201-5880000



Cable drum (100 m)
4 × 0.75 mm², gray
suitable for C-tracks

AS-Interface, MASI68

7000-C0201-8620000



Bus Connection Plug 90°
SUB-D9 (female), screw terminals
SUB-D9 (male), screw terminals

CANopen

55760

PROFIBUS

55762



Bus Connection Plug 180°
SUB-D9 (male), IDC terminals, rigid cable

PROFIBUS

55584



Bus Connection Plug 90°
SUB-D9 (male), IDC terminals, rigid cable

PROFIBUS

55585

| Connection accessories | | | Art-No. |
|---|---|-----------------------------|--------------------|
|  | Bus Connection Plug 90° SUB-D9 (male), IDC terminals, rigid cable, programming device conn. | PROFIBUS | 55586 |
|  | Bus Connection Plug 90° SUB-D9 (male); M12 x 1, B-coded | PROFIBUS | 7000-99441-0000000 |
|  | Bus Connection Plug 35° SUB-D9 (male); M12 x 1, B-coded | PROFIBUS | 7000-99401-0000000 |
|  | Bus Connection Plug 90° SUB-D9 (male); M12 x 1, B-coded | PROFIBUS | 7000-99411-0000000 |
|  | Bus Connection Plug 180° SUB-D9 (male); M12 x 1, B-coded | PROFIBUS | 7000-99421-0000000 |
|  | Bus Connection Plug 90° SUB-D9 (male); M12 x 1, B-coded Zinc die casting | PROFIBUS | 7000-99431-0000000 |
| Labeling accessories | | | Art-No. |
|  | Slip-on cable sleeve for ACS label plates (4 x 18 mm) | Cable diameter (4...6.5 mm) | 7000-99004-0000000 |

Labeling accessories



Snap-on cable sleeve

for ACS label plates (4 × 18 mm)
for ACS label plates (4 × 18 mm)

Cable diameter (4.2...5.6 mm)
Cable diameter (5...7 mm)

Art-No.

7000-99005-0000000
7000-99006-0000000



ACS label plate

for self marking (4 × 18 mm)

7000-99002-0000000

Mounting accessories



Torque wrench set

M8 (0.4 Nm, SW9)

M8 data connectors

Art-No.

7000-99101-0000000



Torque wrench set

M12 (0.6 Nm, SW13)

M12 data connector molded (standard)

7000-99102-0000000

End fitting accessories



Tube adapter

snap-in for corrugated tube (size 13mm)

Cable diameter (4...7 mm)

Art-No.

7000-99081-0000000

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