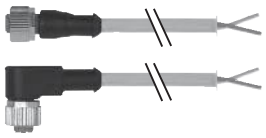
PLUG CONNECTORS FOR FIELDBUS TECHNOLOGY

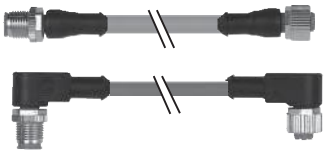
Cube67 6-pole



Round plug connector M12
Female

With open ended wires
• Straight/90°

page 3.5.3

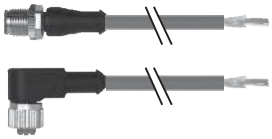


Round plug connector M12
Male/Female
(shielded)

Connection cable
• Straight/90°

page 3.5.4

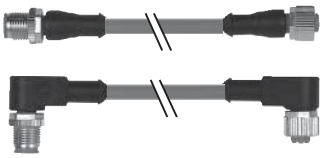
Profibus



Round plug connector M12
Male/Female
(shielded)

With open ended wires
• Straight/90°

from page 3.5.5

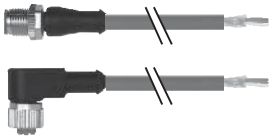


Round plug connector M12
Male/Female
(shielded)

Connection cable
• Straight/90°

page 3.5.7

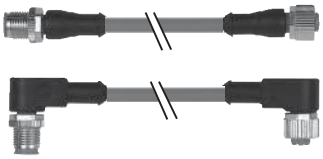
DeviceNet, CANopen



Round plug connector M12
Male/Female
(shielded)

With open ended wires
• Straight/90°

from page 3.5.8

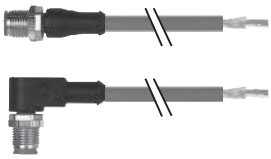


Round plug connector
Male/Female Straight/90°
shielded

M12
• Connection cable

page 3.5.10

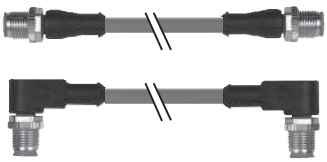
Ethernet CAT 5



Round plug connector M12
Male
(shielded)

With open ended wires
• Straight/90°

page 3.5.11



Round plug connector M12
Male/Male
(shielded)

Connection cable
• Straight/90°

page 3.5.12

Plug connector M12/RJ45
Male/Male
(shielded)

Connection cable
• Straight

page 3.5.13

Plug connector RJ45/RJ45
Male/Male
(shielded)

Connection cable
• Straight

page 3.5.13

AS-Interface

Round plug connector M12 for MASI68
Male/Female

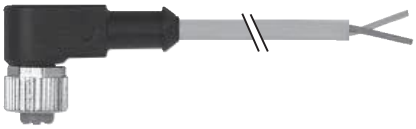
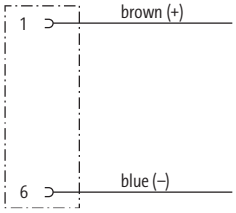
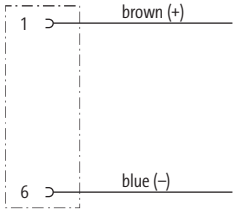
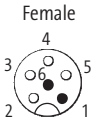
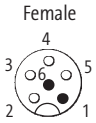
Connection cable
• Straight

page 3.5.14

Cube67 - 6-pole

– with open ended wires M12

– external actuator supply

	Female Straight	**Female** 90°
		
Approvals:	cULus Listed *	
1 Form No.	**15001**	**15021**
Suppression	**2-pole**	**2-pole**
Circuit diagram		
Contact layout		
2 Cable type	**Jacket color**	**Jacket color**
Wire diameter 0.5 mm²	**gray**	**gray**
PUR (UL/CSA), robot cable *	**414**	**414**
3 Cable length		
1.5 m	**0150**	
3.0 m	**0300**	
5.0 m	**0500**	
7.5 m	**0750**	
10.0 m	**1000**	

Article no.

The composition of your article number is explained on page 3.1.2

7000	– _____	– ___	____
	1 Form	**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.18.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTORS FOR FIELDBUS TECHNOLOGY

MURR ELEKTRONIK
stay connected

Cube67 - 6-pole

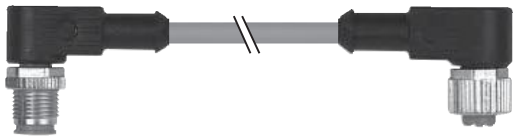
– connection cable M12 - M12

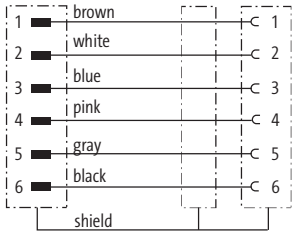
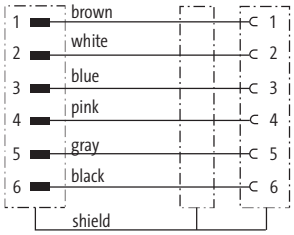
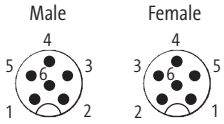
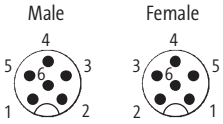
– shielded

– hybrid-cable for communication and supply

Approvals: c SP us, PG, c UL us Listed *

	Male	Female	Male	Female
	Straight	Straight	90°	90°



1 Form No.	**46041**		**46061**	
Suppression	6-pole		6-pole	
Circuit diagram				
Contact layout				
2 Cable type	**Jacket color**		**Jacket color**	
4 x 0.5 + 2 x 0.25 mm²		green		green
PUR (UL/CSA), robot cable *		802		802
Terminator	Art.-No. 7000-15041-000 0000			
Control cabinet entry system	Art.-No. 7000-46111-000 0000			
T-coupler	Art.-No. 7000-46101-000 0000			
3 Cable length				
0.15 m	0015			
0.3 m	0030			
0.6 m	0060			
1.0 m	0100			
1.5 m	0150			
2.0 m	0200			

Article no.

The composition of your article number is explained on page 3.1.2

7 0 0 0	–	_ _ _ _ _	–	_ _ _	_ _ _ _
		1 Form		**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.18.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

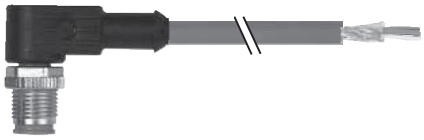
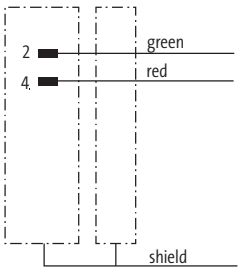
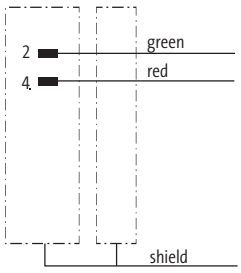
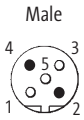
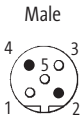
PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

Profibus

– with open ended wires M12

– shielded, B-coded

Approvals:

	Male Straight	**Male** 90°
		
1 Form No.	**14051**	**14081**
Suppression	**2-pole**	**2-pole**
Circuit diagram		
Contact layout		

2 Cable type	**Jacket color**	**Jacket color**
Wire diameter 1 x 2 x Ø 0.64 mm	**violet**	**violet**
PUR (UL), suitable for C-tracks	**841**	**841**
PUR (UL), suitable for high-speed C-tracks *	**840**	**840**

Terminator	**Art.-No. 7000-14041-000 0000**
Control cabinet entry system	**Art.-No. 7000-44111-000 0000**

3 Cable length	
1.5 m	**0150**
3.0 m	**0300**
5.0 m	**0500**
7.5 m	**0750**
10.0 m	**1000**

Article no

The composition of your article number is explained on page 3.1.2

7 0 0 0	– _ _ _ _ _	– _ _ _	_ _ _ _
	1 Form	**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

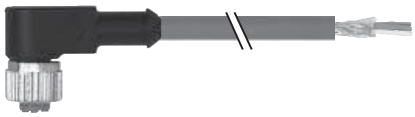
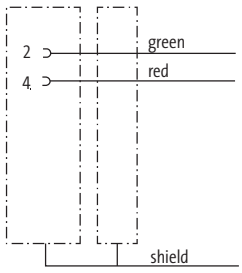
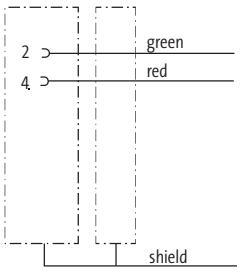
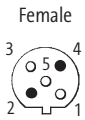
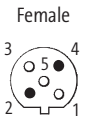
MURR ELEKTRONIK
stay connected

Profibus

– with open ended wires M12

– shielded, B-coded

Approvals:

	Female Straight	**Female** 90°
		
1 Form No.	**14061**	**14071**
Suppression	2-pole	2-pole
Circuit diagram		
Contact layout		
2 Cable type	**Jacket color**	**Jacket color**
Wire diameter 1 x 2 x Ø 0.64 mm	violet	violet
PUR (UL), suitable for C-tracks	841	841
PUR (UL), suitable for high-speed C-tracks *	840	840
Terminator	**Art.-No. 7000-14041-000 0000**	
Control cabinet entry system	**Art.-No. 7000-44111-000 0000**	

3 Cable length

1.5 m	**0150**
3.0 m	**0300**
5.0 m	**0500**
7.5 m	**0750**
10.0 m	**1000**

Article no

The composition of your article number is explained on page 3.1.2

7000	– _____	– ___	____
	1 Form	**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

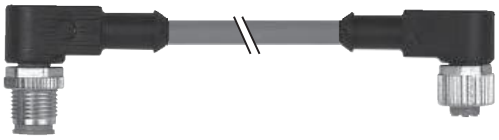
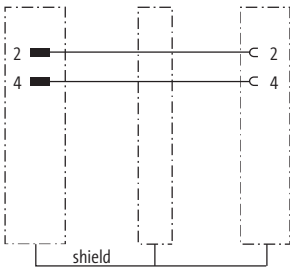
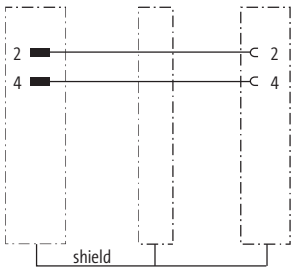
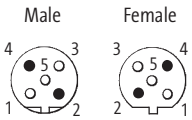
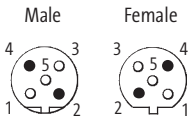
PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

Profibus

– connection cable M12 - M12

– shielded, B-coded

Approvals:

	Male Straight	**Female** Straight	**Male** 90°	**Female** 90°
				
1 Form No.	**44001**		**44021**	
Suppression	**2-pole**		**2-pole**	
Circuit diagram				
Contact layout				
2 Cable type	**Jacket color**		**Jacket color**	
Wire diameter 1 x 2 x Ø 0.64 mm	**violet**		**violet**	
PUR (UL), suitable for C-tracks	**841**		**841**	
PUR (UL), suitable for high-speed C-tracks *	**840**		**840**	
Terminator	**Art.-No. 7000-14041-000 0000**			
Control cabinet entry system	**Art.-No. 7000-44111-000 0000**			
3 Cable length				
0.3 m	**0030**			
0.6 m	**0060**			
1.0 m	**0100**			
1.5 m	**0150**			
2.0 m	**0200**			

Article no

The composition of your article number is explained on page 3.1.2

7000	– _ _ _ _ _	– _ _ _	_ _ _ _
	1 Form	**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

MURR ELEKTRONIK
stay connected

DeviceNet CANopen

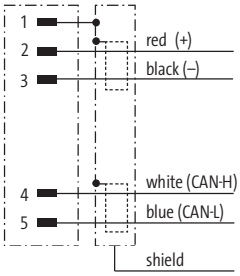
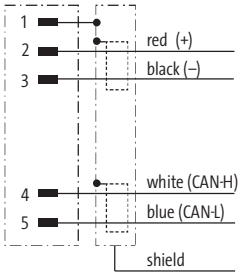
– with open ended wires M12

– shielded

DeviceNet

CANopen

Approvals: c SP us, PG, c UL us Listed *

	Male Straight	Male 90°
1 Form No.	**13105**	**13125**
Suppression	**5-pole**	**5-pole**
Circuit diagram		
Contact layout	Male	Male

2 Cable type	**Jacket color**		**Jacket color**	
2 x 0.25 + 2 x 0.34 mm²		violet		violet
PUR (UL/CSA), suitable for C-tracks *	803	803	803	803

Terminator	**Art.-No. 7000-13461-000 0000**
Control cabinet entry system	**Art.-No. 7000-42111-000 0000**

3 Cable length	
1.5 m	**0150**
3.0 m	**0300**
5.0 m	**0500**
7.5 m	**0750**
10.0 m	**1000**

Article no

The composition of your article number is explained on page 3.1.2

7 0 0 0	–	_ _ _ _ _	–	_ _ _	_ _ _ _
		1 Form		**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

DeviceNet CANopen

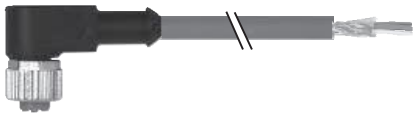
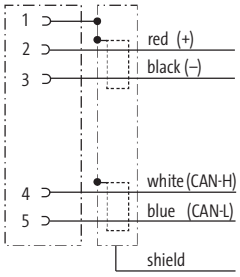
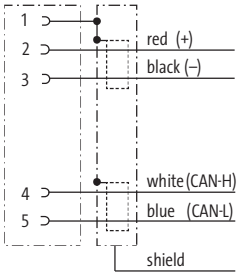
– with open ended wires M12

– shielded

DeviceNet

CANopen

Approvals: cULus Listed *

	Female Straight	**Female** 90°
		
1 Form No.	**13225**	**13251**
Suppression	**5-pole**	**5-pole**
Circuit diagram		
Contact layout	Female	Female
2 Cable type	**Jacket color**	**Jacket color**
2 x 0.25 + 2 x 0.34 mm²	violet	violet
PUR (UL/CSA), suitable for C-tracks *	803	803
Terminator	**Art.-No. 7000-13461-000 0000**	
Control cabinet entry system	**Art.-No. 7000-42111-000 0000**	
3 Cable length		
1.5 m	**0150**	
3.0 m	**0300**	
5.0 m	**0500**	
7.5 m	**0750**	
10.0 m	**1000**	

Article no

The composition of your article number is explained on page 3.1.2

7000	–	_____	–	___	____
		1 Form		**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

MURR ELEKTRONIK
stay connected

DeviceNet CANopen

– connection cable M12 - M12

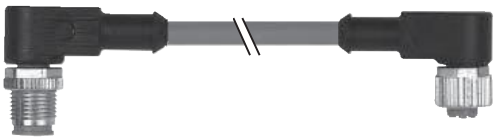
– shielded

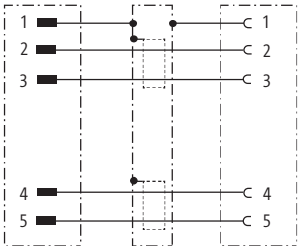
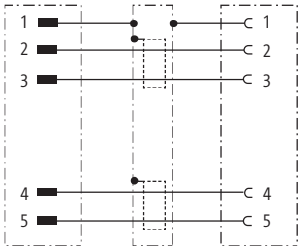
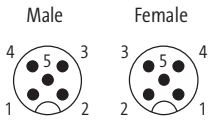
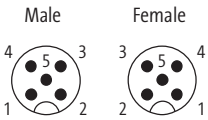
DeviceNet

CANopen

Approvals: c SP us, PG, c UL us Listed *

	Male	Female	Male	Female
	Straight	Straight	90°	90°



1 Form	**No.**	**40531**	**40551**	
Suppression		5-pole	5-pole	
Circuit diagram				
Contact layout				
2 Cable type		**Jacket color**	**Jacket color**	
2 x 0.25 + 2 x 0.34 mm²		violet	violet	
PUR (UL/CSA), suitable for C-tracks *		803 803	803 803	
Terminator		**Art.-No. 7000-13461-000 0000**		
Control cabinet entry system		**Art.-No. 7000-42111-000 0000**		
3 Cable length				
1.5 m		**0150**		
3.0 m		**0300**		
5.0 m		**0500**		
7.5 m		**0750**		
10.0 m		**1000**		

Article no

The composition of your article number is explained on page 3.1.2

7 0 0 0	–	_ _ _ _ _	–	_ _ _	_ _ _ _
		1 Form		**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

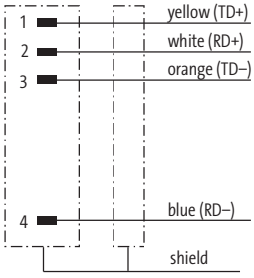
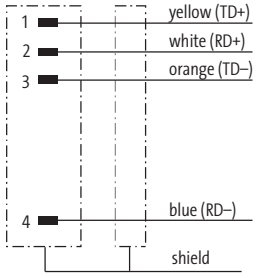
Ethernet CAT 5

– with open ended wires M12

– shielded, D-coded

EtherNet√IP conformance tested · PROFINET · EtherCAT

Approvals: c SP us · PG · c UL us Listed *

	Male Straight	Male 90°
1 Form No.	**14541**	**14561**
Suppression	4-pole	4-pole
Circuit diagram		
Contact layout		

2 Cable type	**Jacket color**			**Jacket color**		
Wire diameter 0.34 mm²		green	violet		green	violet
PUR (UL/CSA), suitable for C-tracks *		796	798		796	798

3 Cable length	
1.5 m	0150
3.0 m	0300
5.0 m	0500
7.5 m	0750
10.0 m	1000

Article no

The composition of your article number is explained on page 3.1.2

7 0 0 0	–	_ _ _ _ _	–	_ _ _	_ _ _ _
		1 Form		2 Cable type	3 Cable length

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

MURR ELEKTRONIK
stay connected

Ethernet CAT 5

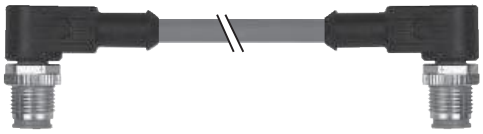
– connection cable M12 - M12

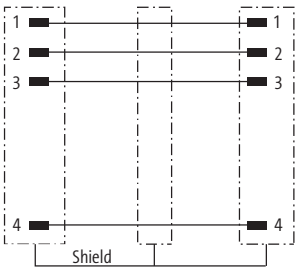
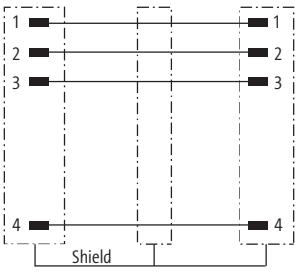
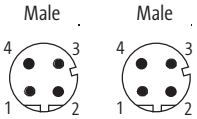
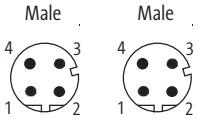
– shielded, D-coded

EtherNet√IP conformance tested · PROFINET · EtherCAT

Approvals: c SP us · PG · c UL us Listed *

	Male	Male	Male	Male
	Straight	Straight	90°	90°



1 Form	**No.**	**44511**	**44561**	
Suppression		4-pole	4-pole	
Circuit diagram				
Contact layout				

2 Cable type	**Jacket color**			**Jacket color**		
Wire diameter 0.34 mm²		green	violet		green	violet
PUR (UL/CSA), suitable for C-tracks *		796	798		796	798

3 Cable length	
1.5 m	0150
3.0 m	0300
5.0 m	0500
7.5 m	0750
10.0 m	1000

Article no

The composition of your article number is explained on page 3.1.2

7 0 0 0 –	_ _ _ _ _ –	_ _ _	_ _ _ _
	1 Form	**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

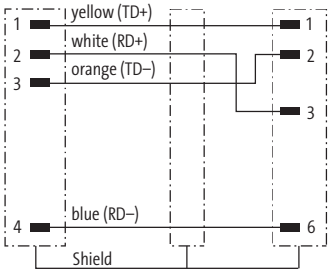
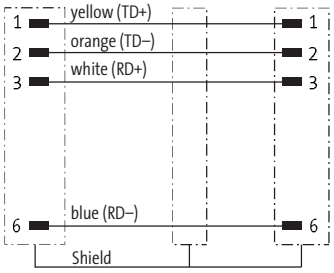
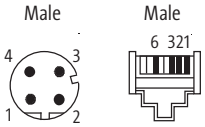
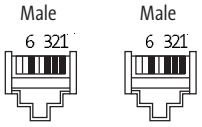
EtherNet CAT 5

– connection cable

– shielded, D-coded (M12)

EtherNet/IP conformance tested · PROFINET · EtherCAT

Approvals:

	Male M12 Straight	**Male RJ45** Straight	**Male RJ45** Straight	**Male RJ45** Straight
1 Form No.	**44711**		**99711**	
Suppression	**4-pole**		**4-pole**	
Circuit diagram				
Contact layout				
2 Cable type	**Jacket color**		**Jacket color**	
Wire diameter 0.34 mm²	**green**		**green**	
PUR (UL/CSA), suitable for C-tracks	**796**		**796**	
3 Cable length				
1.5 m	**0150**			
3.0 m	**0300**			
5.0 m	**0500**			
7.5 m	**0750**			
10.0 m	**1000**			

Article no

The composition of your article number is explained on page 3.1.2

7000	–	_____	–	___	____
		1 Form		**2 Cable type**	**3 Cable length**

Notes

Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

MURR ELEKTRONIK
stay connected

AS-Interface

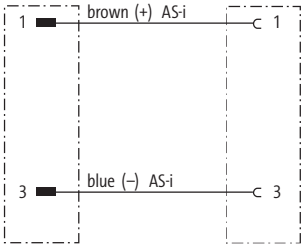
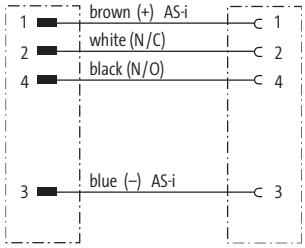
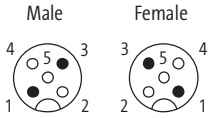
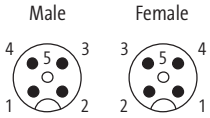
– connection cable M12 - M12 for MASI68

Male
Straight

Female
Straight

Approvals:

1 Form No.

	40005	40021
Suppression	2-pole	4-pole
Circuit diagram		
Contact layout		

2 Cable type

	Jacket color	Jacket color
Wire diameter 1.5 mm²	gray	gray
PUR (UL/CSA)	588	
Wire diameter 0.75 mm²		
PUR (UL/CSA), suitable for C-tracks		862

3 Cable length

0.3 m	0030
0.6 m	0060
1.0 m	0100
1.5 m	0150
2.0 m	0200

Article no

The composition of your article number is explained on page 3.1.2

7060	– _ _ _ _ _	– _ _ _	_ _ _ _
	1 Form	2 Cable type	3 Cable length

Notes

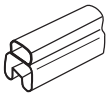
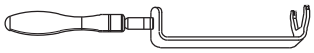
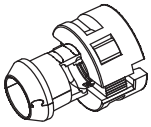
Technical data in chapter 3.11. Suitable connection accessories and general accessories from page 3.5.15.
Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

PLUG CONNECTOR FOR FIELDBUS TECHNOLOGY

Suitable connection accessories				Art.-No.
	T-coupler M12/M12, female/male Straight, A-coded, 6-pole, shielded Straight, A-coded, 4-pole	**for** **Cube67 additional actuator power supply** **MASI68 additional actuator power supply**		**7000-46101-000 0000** **7060-42701-000 0000**
	Male M12, field-wireable, screw terminals Straight, B-coded, 2-pole, shielded Straight, B-coded, 5-pole, shielded	**for** **Profibus** **Interbus**	**cable diameter** 6...8 mm 6...8 mm	**7000-14005-000 0000** **7000-14001-000 0000**
	Female M12, field-wireable, screw terminals Straight, B-coded, 2-pole, shielded Straight, B-coded, 5-pole, shielded	**for** **Profibus** **Interbus**	**cable diameter** 6...8 mm 6...8 mm	**7000-14025-000 0000** **7000-14021-000 0000**
	Male M12, field-wireable, screw terminals 90°, B-coded, 5-pole, shielded	**for** **Profibus**	**cable diameter** 6...8 mm	**7000-14011-000 0000**
	Female M12, field-wireable, screw terminals 90°, B-coded, 5-pole, shielded	**for** **Profibus**	**cable diameter** 6...8 mm	**7000-14031-000 0000**
	Male M12, field-wireable, insulation displacem. techn. Straight, B-coded, 3-pole, shielded Straight, D-coded, 4-pole, shielded, CAT 5	**for** **Profibus** **Ethernet, CAT 5**	**cable diameter** 7.0...8.8 mm 5.5...7.2 mm	**7000-14201-000 0000** **7000-14521-000 0000**
	Female M12, field-wireable, insulation displacem. techn. Straight, B-coded, 3-pole, shielded Straight, D-coded, 4-pole, shielded, CAT 5	**for** **Profibus** **Ethernet, CAT 5**	**cable diameter** 7.0...8.8 mm 5.5...7.2 mm	**7000-14221-000 0000** **7000-14621-000 0000**
	Male M12, field-wireable, screw terminals Straight, A-coded, 5-pole	**for** **DeviceNet, CANopen**	**cable diameter** 6...8 mm	**7000-12761-000 0000**
	Female M12, field-wireable, screw terminals Straight, A-coded, 5-pole	**for** **DeviceNet, CANopen**	**cable diameter** 6...8 mm	**7000-12961-000 0000**
	Male M12, field-wireable, screw terminals 90°, A-coded, 5-pole	**for** **DeviceNet, CANopen**	**cable diameter** 6...8 mm	**7000-12881-000 0000**
	Female M12, field-wireable, screw terminals 90°, A-coded, 5-pole	**for** **DeviceNet, CANopen**	**cable diameter** 6...8 mm	**7000-13041-000 0000**
	Male RJ45, CAT 5, field-wireable, insulation displacem. techn. Straight, 4-pole, IP20, shielded	**for** **Ethernet, CAT 5**	**cable diameter** 6.5...6.9 mm	**7000-99051-000 0000**

Suitable connection accessories			Art.-No.
	Ethernet adapter M12/RJ45, CAT 5, female/female 90°, D-coded, 4-pole	**for** **Ethernet, CAT 5**	**7000-99052-000 0000**
	Terminator M12 Straight, A-coded, 6-pole Straight, B-coded, 4-pole Straight, A-coded, 5-pole	**for** **Cube67** **Profibus** **DeviceNet, CANopen**	 **7000-15041-000 0000** **7000-14041-000 0000** **7000-13461-000 0000**
	Terminator 7/8" Straight, screw fixing, 5-pole	**for** **DeviceNet, CANopen**	**7000-78301-000 0000**
	Control cabinet entry system M12 Straight, A-coded, 6-pole, shielded Straight, B-coded, 5-pole, shielded Straight, A-coded, 5-pole, shielded Straight, D-coded, 4-pole, shielded (female/female)	**for** **Cube67** **Profibus, Interbus** **DeviceNet, CANopen** **Ethernet, CAT 5**	 **7000-46111-000 0000** **7000-44111-000 0000** **7000-42111-000 0000** **7000-44611-000 0000**
	Flange M12 male, pre-wired 0.2 m Straight, B-coded, 5-pole Straight, A-coded, 5-pole	**for** **Profibus, Interbus** **DeviceNet, CANopen**	 **7000-14121-975 0020** **7000-13521-972 0020**
	Flange M12 female, pre-wired 0.2 m Straight, B-coded, 5-pole Straight, A-coded, 5-pole	**for** **Profibus, Interbus** **DeviceNet, CANopen**	 **7000-14161-975 0020** **7000-13561-972 0020**
	Flange M12 female, CAT 5, pre-wired 0.2 m Straight, D-coded, 4-pole, shielded	**for** **Ethernet, CAT 5**	**7000-14501-976 0020**
	Cable, 100 m (1 x 2 x Ø 0.64 mm²) violet (2 x 0.25/2 x 0.34 mm²) violet (2 x 2 x 0.34 mm²) green (2 x 2 x 0.34 mm²) violet (2 x 1.5 mm²) gray, for MASI68 (4 x 0.75 mm²) gray, for MASI68 (3 x 2 x AWG24) violet	**for** **Profibus** **DeviceNet, CANopen** **Ethernet, CAT 5, ProfiNet, EtherCAT** **Ethernet, CAT 5, ProfiNet, EtherCAT** **AS-Interbus** **AS-Interbus** **Interbus**	 **7000-00000-840 9999** **7000-00000-803 9999** **7000-00000-796 9999** **7000-00000-798 9999** **7060-00000-588 9999** **7060-00000-862 9999** **7000-00000-799 9999**
	Bus connection plug, IP20 SUB-D, 9-pole, spring clamp terminals, 90° SUB-D, 9-pole, insulation displacement techn., flex, 180° SUB-D, 9-pole, insulation displacement techn., rigid, 180° SUB-D, 9-pole, insulation displacement techn., rigid, 90° SUB-D, 9-pole, insulation displacement techn., rigid, PG, 90° SUB-D, 9-pole, insulation displacement techn., flex, 90° SUB-D, 9-pole, insulation displacement techn., flex, PG, 90° SUB-D, 9-pole, spring clamp terminals, 90°	**for** **CANopen** **Profibus** **Profibus** **Profibus** **Profibus** **Profibus** **Profibus** **Profibus**	 **55760** **55583** **55584** **55585** **55586** **55587** **55588** **55762**

ACCESSORIES

Labeling accessories		Art.-No.	suitable for
	Slip-on cable sleeves (for label plates 4 x 18 mm)	**7000-99004-000 0000**	Cable diameter 4.0...6.5 mm
	Snap-on cable sleeves (for label plates 4 x 18 mm)	**7000-99005-000 0000** **7000-99006-000 0000**	Cable diameter 4.2...5.6 mm Cable diameter 5.0...7.0 mm
	ACS label plates, self marking 4 x 18 mm	**7000-99002-000 0000**	Cable sleeves on cables
Mounting accessories		**Art.-No.**	**suitable for**
	M12 torque wrench (torque calibrated 0.6 Nm)	**7000-99102-000 0000**	Round plug connector M12
End fitting accessories		**Art.-No.**	**suitable for**
	Snap-on adapter for conduits (NG 13)	**7000-99081-000 0000**	Plug connector with cable (cable diameter 4.0...7.0 mm)

Notes