

CIRCULAR CONNECTORS M 8 / M 12

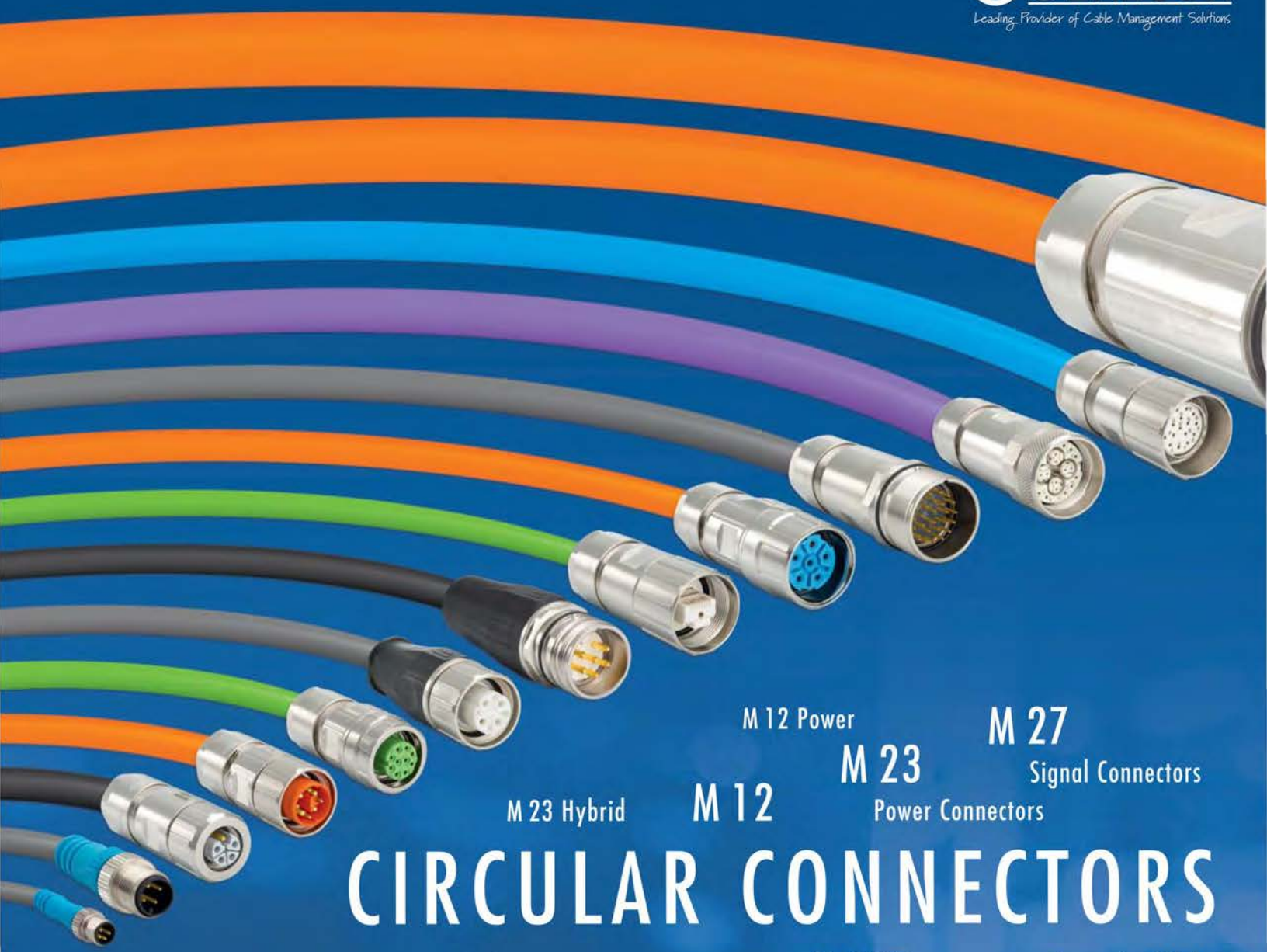


JAEGER by HUMMEL: sharing success

The renowned French company, JAEGER CONNECTEURS, is now part of HUMMEL AG. The incorporation of the JAEGER product range into the existing HUMMEL AG line makes HUMMEL the complete supplier of circular connectors from M 8 to M 40 and for client-specific products and custom solutions.







M 23 Hybrid

M 12

M 12 Power

M 23

Power Connectors

M 27

Signal Connectors

CIRCULAR CONNECTORS

M 8

Industrial Ethernet

M 16

TWILOCK

PROFINET

M 23 RJ 45

Customized Solutions

M 40

Moulded Cordsets



The right connector solution and appropriate service for every application: Together with JAEGER Connecteurs, HUMMEL AG is a global complete-solutions provider for industrial customers in the field of connector systems.









The product catalogue:

- // JAEGER M 8, M 12 and splitter boxes
- // JAEGER standard connectors
- // HUMMEL connectors, M 16 to M 40
- // HUMMEL M 12 Power series



			0,8m	1m	1,5m	2m	3m	5m	7,5m	10m			
Straight / Straight	M 8	Pin			✓		✓	✓		✓		Socket M 8	
	M 8	Socket			✓		✓	✓	✓	✓		Pin M 12	
	M 12	Pin		✓	✓		✓		✓		✓		Socket M 12
Straight / Right angle	M 8	Pin			✓		✓	✓		✓		Socket M 8	
	M 8	Socket			✓		✓	✓		✓		Pin M 8	
	M 8	Socket			✓		✓	✓	✓	✓		Pin M 12	
	M 12	Pin			✓		✓	✓	✓	✓		Socket M 8	
	M 12	Pin		✓	✓		✓		✓		✓		Socket M 12
	M 12	Socket		✓	✓		✓		✓		✓		Pin M 12
Right Angle / Right Angle	M 8	Pin			✓		✓	✓		✓		Socket M 8	
	M 8	Socket			✓		✓	✓	✓	✓		Pin M 12	
	M 12	Pin		✓	✓		✓		✓		✓		Socket M 12

More cable lengths available upon request

			0,3m	0,6m	0,8m	1 m			
Y-Connector	M 12 Pin		✓	✓	✓	✓		Socket Socket	M 12
	M 12 Pin		✓	✓	✓	✓		Socket Socket	M 12
T-Connector	M 12 Socket Socket		✓	✓	✓	✓		Pin	M 12
	M 12 Socket Socket		✓	✓	✓	✓		Socket	M 12

More cable lengths available upon request



Splitter Boxes

▶ 61



Colours of Conductors

▶ 77



Technical Information

▶ 10

HUMMEL International – JAEGER by HUMMEL

▶ 82

LEGEND



Contacts



Assembly Instructions



Housing



Inserts/Pinouts



Accessories



Crimp Tool Settings

Nominal Current

Allowable current (Amp), that can be transmitted by each contact continuously and simultaneously.

Nominal Voltage

Allowable voltage (Volt), that can be applied to each contact continuously and simultaneously.

Test Voltage

Voltage which, under certain conditions, a connector can be exposed to without breakdown.

Degree of Protection

Potential dirt accumulation of a disconnected connector in a certain environment.

Degree of Protection 2

No permanent conductive dirt accumulation will occur. Temporary conductive dirt accumulation, such as condensation, is possible. Typical for households, offices, laboratories and test labs.

Degree of Protection 3

Conductive, as well as dry non-conductive dirt accumulation can occur. It can be temporarily conductive due to condensation. Typical for industrial and factory environments.

Additional remarks (pollution level)

If connectors being defined for pollution degree 1 and overvoltage category 1 are applied for other conditions (higher pollution degree and higher overvoltage category) voltages level reduce correspondingly. But the connectors can be used without any problems at reduced maximum voltages.

Mating cycles

Mating cycles are the number of insertion and extraction cycles a connector can withstand before the electrical or mechanical failure in relationship to the connector's design specification.

Air gap

The minimum gap of air between two conducting surfaces permissible at given voltage.

Creep distance

The minimum dimension along the surface of an insulating material between two conducting surfaces.

PE

The PE-Contact is a ground contact for security reasons.

Safety Guidelines

When HUMMEL connectors are used for voltages greater than 50 Volts with conductive shell components they must be used in accordance with the safety regulations DIN VDE Part 410; IEC 60364-4-41. This regulation basically dictates that the power source should be turned off before mating and unmating connector. This regulation does not provide protection against electrical shock when mating and unmating connectors in the field.



Don't connect or disconnect the Connectors under load.

CONNECTORS M 12

These are standard-fit in industry. Their fields of application are numerous and are growing constantly. The M12 connectors are robust and user-friendly. There are numerous moulding variants in the range and freely configurable finishing solutions.

- // A, B and D coding
- // Moulded solutions
- // Freely configurable finishing solutions for connectors
- // Y and T connectors
- // Extension lines
- // Panel connector



Product overview

Housings

▶ 14



Inserts



Mechanical Data

Housing	Copper-Zinc alloy
Overmould	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass fibre Fire protection class V0
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seals / O-Rings	Fluorocarbon
Temperature range	-30 °C – +70 °C (static operating temperature) -5 °C – +70 °C (dynamic operating temperature)
Protection	IP 67

Electrical Data

	3	4	5	6	8
Number of contacts	3	4	5	6	8
Contact-Ø [mm]	0,34	0,34	0,34	0,25	0,25
Nominal current [A]	4	4	4	2	2
Nominal voltage [V~] degree of protection 3	240	240	60	30	30
Test voltage (Breakdown voltage) [V~]	1000	1000	1000	1000	1000
Insulation resistance [MΩ]	>10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹
Max. contact resistance [MΩ]	<5	<5	<5	<5	<5

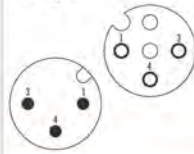


Overmoulded Straight Connector Cordsets M12, Female and Male Thread

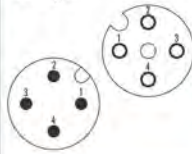
Coding A



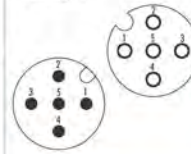
M 12
3-pole
Coding A



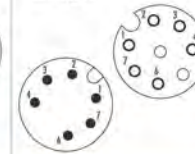
M 12
4-pole
Coding A



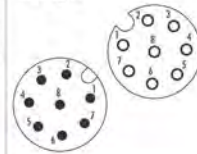
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Cable PVC

0,8 m	Pin	SJFMD03M12008C	SJFMD04M12008C	SJFMD05M12008C	SJFMD06M12008C	SJFMD08M12008C
	Socket	SJFFD03M12008C	SJFFD04M12008C	SJFFD05M12008C	SJFFD06M12008C	SJFFD08M12008C
1 m	Pin	SJFMD03M12010C	SJFMD04M12010C	SJFMD05M12010C	SJFMD06M12010C	SJFMD08M12010C
	Socket	SJFFD03M12010C	SJFFD04M12010C	SJFFD05M12010C	SJFFD06M12010C	SJFFD08M12010C
2 m	Pin	SJFMD03M12020C	SJFMD04M12020C	SJFMD05M12020C	SJFMD06M12020C	SJFMD08M12020C
	Socket	SJFFD03M12020C	SJFFD04M12020C	SJFFD05M12020C	SJFFD06M12020C	SJFFD08M12020C
5 m	Pin	SJFMD03M12050C	SJFMD04M12050C	SJFMD05M12050C	SJFMD06M12050C	SJFMD08M12050C
	Socket	SJFFD03M12050C	SJFFD04M12050C	SJFFD05M12050C	SJFFD06M12050C	SJFFD08M12050C
10 m	Pin	SJFMD03M12100C	SJFMD04M12100C	SJFMD05M12100C	SJFMD06M12100C	SJFMD08M12100C
	Socket	SJFFD03M12100C	SJFFD04M12100C	SJFFD05M12100C	SJFFD06M12100C	SJFFD08M12100C

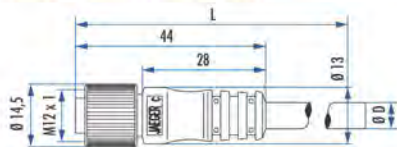
Cable PUR

0,8 m	Pin	SJFMD03M12008P	SJFMD04M12008P	SJFMD05M12008P	SJFMD06M12008P	SJFMD08M12008P
	Socket	SJFFD03M12008P	SJFFD04M12008P	SJFFD05M12008P	SJFFD06M12008P	SJFFD08M12008P
1 m	Pin	SJFMD03M12010P	SJFMD04M12010P	SJFMD05M12010P	SJFMD06M12010P	SJFMD08M12010P
	Socket	SJFFD03M12010P	SJFFD04M12010P	SJFFD05M12010P	SJFFD06M12010P	SJFFD08M12010P
2 m	Pin	SJFMD03M12020P	SJFMD04M12020P	SJFMD05M12020P	SJFMD06M12020P	SJFMD08M12020P
	Socket	SJFFD03M12020P	SJFFD04M12020P	SJFFD05M12020P	SJFFD06M12020P	SJFFD08M12020P
5 m	Pin	SJFMD03M12050P	SJFMD04M12050P	SJFMD05M12050P	SJFMD06M12050P	SJFMD08M12050P
	Socket	SJFFD03M12050P	SJFFD04M12050P	SJFFD06M12050P	SJFFD08M12050P	SJFFD08M12050P
10 m	Pin	SJFMD03M12100P	SJFMD04M12100P	SJFMD05M12100P	SJFMD06M12100P	SJFMD08M12100P
	Socket	SJFFD03M12100P	SJFFD04M12100P	SJFFD05M12100P	SJFFD06M12100P	SJFFD08M12100P

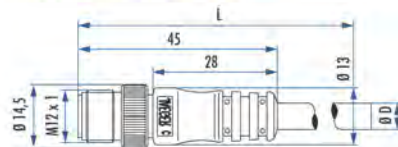
Cable PVC shielded

0,8 m	Pin	SJFMD03M12008B	SJFMD04M12008B	SJFMD05M12008B	SJFMD06M12008B	SJFMD08M12008B
	Socket	SJFFD03M12008B	SJFFD04M12008B	SJFFD05M12008B	SJFFD06M12008B	SJFFD08M12008B
1 m	Pin	SJFMD03M12010B	SJFMD04M12010B	SJFMD05M12010B	SJFMD06M12010B	SJFMD08M12010B
	Socket	SJFFD03M12010B	SJFFD04M12010B	SJFFD05M12010B	SJFFD06M12010B	SJFFD08M12010B
2 m	Pin	SJFMD03M12020B	SJFMD04M12020B	SJFMD05M12020B	SJFMD06M12020B	SJFMD08M12020B
	Socket	SJFFD03M12020B	SJFFD04M12020B	SJFFD05M12020B	SJFFD06M12020B	SJFFD08M12020B
5 m	Pin	SJFMD03M12050B	SJFMD04M12050B	SJFMD05M12050B	SJFMD06M12050B	SJFMD08M12050B
	Socket	SJFFD03M12050B	SJFFD04M12050B	SJFFD05M12050B	SJFFD06M12050B	SJFFD08M12050B
10 m	Pin	SJFMD03M12100B	SJFMD04M12100B	SJFMD05M12100B	SJFMD06M12100B	SJFMD08M12100B
	Socket	SJFFD03M12100B	SJFFD04M12100B	SJFFD05M12100B	SJFFD06M12100B	SJFFD08M12100B

Straight Connector, Female Thread



Straight Connector, Male Thread



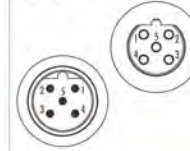
Overmoulded Straight Connector Cordsets with open cable head

Overmoulded Straight Connector Cordsets M12, Female and Male Thread

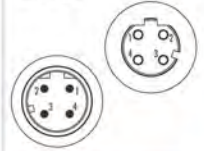
Coding B / Coding D



M12
5-pole
Coding B



M12
4-pole
Coding D



Cable PVC

0,8 m	Pin	SJFMD05B12008C	SJFMD04D12008C
	Socket	SJFFD05B12008C	SJFFD04D12008C
1 m	Pin	SJFMD05B12010C	SJFMD04D12010C
	Socket	SJFFD05B12010C	SJFFD04D12010C
2 m	Pin	SJFMD05B12020C	SJFMD04D12020C
	Socket	SJFFD05B12020C	SJFFD04D12020C
5 m	Pin	SJFMD05B12050C	SJFMD04D12050C
	Socket	SJFFD05B12050C	SJFFD04D12050C
10 m	Pin	SJFMD05B12100C	SJFMD04D12100C
	Socket	SJFFD05B12100C	SJFFD04D12100C

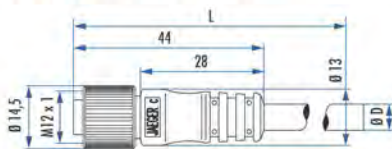
Cable PUR

0,8 m	Pin	SJFMD05B12008P	SJFMD04D12008P
	Socket	SJFFD05B12008P	SJFFD04D12008P
1 m	Pin	SJFMD05B12010P	SJFMD04D12010P
	Socket	SJFFD05B12010P	SJFFD04D12010P
2 m	Pin	SJFMD05B12020P	SJFMD04D12020P
	Socket	SJFFD05B12020P	SJFFD04D12020P
5 m	Pin	SJFMD05B12050P	SJFMD04D12050P
	Socket	SJFFD05B12050P	SJFFD04D12050P
10 m	Pin	SJFMD05B12100P	SJFMD04D12100P
	Socket	SJFFD05B12100P	SJFFD04D12100P

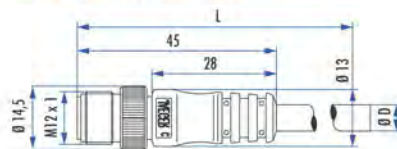
Cable PVC shielded

0,8 m	Pin	SJFMD05B12008B	SJFMD04D12008B
	Socket	SJFFD05B12008B	SJFFD04D12008B
1 m	Pin	SJFMD05B12010B	SJFMD04D12010B
	Socket	SJFFD05B12010B	SJFFD04D12010B
2 m	Pin	SJFMD05B12020B	SJFMD04D12020B
	Socket	SJFFD05B12020B	SJFFD04D12020B
5 m	Pin	SJFMD05B12050B	SJFMD04D12050B
	Socket	SJFFD05B12050B	SJFFD04D12050B
10 m	Pin	SJFMD05B12100B	SJFMD04D12100B
	Socket	SJFFD05B12100B	SJFFD04D12100B

Straight Connector, Female Thread



Straight Connector, Male Thread



Overmoulded Straight Connector Cordsets with open cable head

Dimensions and specifications may be changed without prior notice

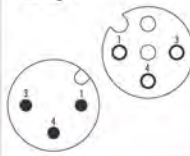


Overmoulded Right Angle Connector Cordsets M12

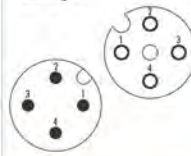
Coding A



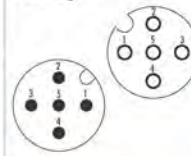
M 12
3-pole
Coding A



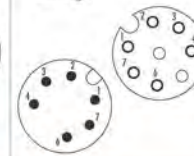
M 12
4-pole
Coding A



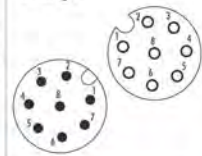
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Cable PVC

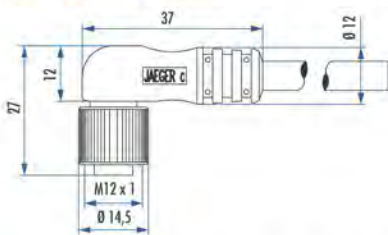
Length	Pin	M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
0,8 m	Pin	SJFMC03M12008C	SJFMC04M12008C	SJFMC05M12008C	SJFMC06M12008C	SJFMC08M12008C
	Socket	SJFFC03M12008C	SJFFC04M12008C	SJFFC05M12008C	SJFFC06M12008C	SJFFC08M12008C
1 m	Pin	SJFMC03M12010C	SJFMC04M12010C	SJFMC05M12010C	SJFMC06M12010C	SJFMC08M12010C
	Socket	SJFFC03M12010C	SJFFC04M12010C	SJFFC05M12010C	SJFFC06M12010C	SJFFC08M12010C
2 m	Pin	SJFMC03M12020C	SJFMC04M12020C	SJFMC05M12020C	SJFMC06M12020C	SJFMC08M12020C
	Socket	SJFFC03M12020C	SJFFC04M12020C	SJFFC05M12020C	SJFFC06M12020C	SJFFC08M12020C
5 m	Pin	SJFMC03M12050C	SJFMC04M12050C	SJFMC05M12050C	SJFMC06M12050C	SJFMC08M12050C
	Socket	SJFFC03M12050C	SJFFC04M12050C	SJFFC05M12050C	SJFFC06M12050C	SJFFC08M12050C
10 m	Pin	SJFMC03M12100C	SJFMC04M12100C	SJFMC05M12100C	SJFMC06M12100C	SJFMC08M12100C
	Socket	SJFFC03M12100C	SJFFC04M12100C	SJFFC05M12100C	SJFFC06M12100C	SJFFC08M12100C

Cable PUR

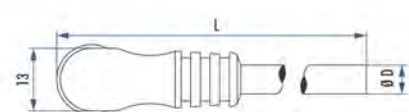
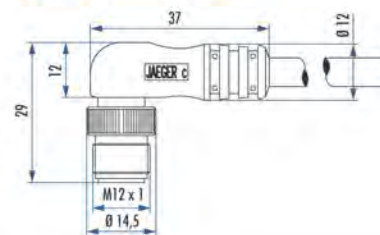
Length	Pin	M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
0,8 m	Pin	SJFMC03M12008P	SJFMC04M12008P	SJFMC05M12008P	SJFMC06M12008P	SJFMC08M12008P
	Socket	SJFFC03M12008P	SJFFC04M12008P	SJFFC05M12008P	SJFFC06M12008P	SJFFC08M12008P
1 m	Pin	SJFMC03M12010P	SJFMC04M12010P	SJFMC05M12010P	SJFMC06M12010P	SJFMC08M12010P
	Socket	SJFFC03M12010P	SJFFC04M12010P	SJFFC05M12010P	SJFFC06M12010P	SJFFC08M12010P
2 m	Pin	SJFMC03M12020P	SJFMC04M12020P	SJFMC05M12020P	SJFMC06M12020P	SJFMC08M12020P
	Socket	SJFFC03M12020P	SJFFC04M12020P	SJFFC05M12020P	SJFFC06M12020P	SJFFC08M12020P
5 m	Pin	SJFMC03M12050P	SJFMC04M12050P	SJFMC05M12050P	SJFMC06M12050P	SJFMC08M12050P
	Socket	SJFFC03M12050P	SJFFC04M12050P	SJFFC05M12050P	SJFFC06M12050P	SJFFC08M12050P
10 m	Pin	SJFMC03M12100P	SJFMC04M12100P	SJFMC05M12100P	SJFMC06M12100P	SJFMC08M12100P
	Socket	SJFFC03M12100P	SJFFC04M12100P	SJFFC05M12100P	SJFFC06M12100P	SJFFC08M12100P

Length	Pin	M 12 3-pole Coding B	M 12 4-pole Coding B	M 12 5-pole Coding B	M 12 6-pole Coding B	M 12 8-pole Coding B
0,8 m	Pin	SJFMC03M12008B	SJFMC04M12008B	SJFMC05M12008B	SJFMC06M12008B	SJFMC08M12008B
	Socket	SJFFC03M12008B	SJFFC04M12008B	SJFFC05M12008B	SJFFC06M12008B	SJFFC08M12008B
1 m	Pin	SJFMC03M12010B	SJFMC04M12010B	SJFMC05M12010B	SJFMC06M12010B	SJFMC08M12010B
	Socket	SJFFC03M12010B	SJFFC04M12010B	SJFFC05M12010B	SJFFC06M12010B	SJFFC08M12010B
2 m	Pin	SJFMC03M12020B	SJFMC04M12020B	SJFMC05M12020B	SJFMC06M12020B	SJFMC08M12020B
	Socket	SJFFC03M12020B	SJFFC04M12020B	SJFFC05M12020B	SJFFC06M12020B	SJFFC08M12020B
5 m	Pin	SJFMC03M12050B	SJFMC04M12050B	SJFMC05M12050B	SJFMC06M12050B	SJFMC08M12050B
	Socket	SJFFC03M12050B	SJFFC04M12050B	SJFFC05M12050B	SJFFC06M12050B	SJFFC08M12050B
10 m	Pin	SJFMC03M12100B	SJFMC04M12100B	SJFMC05M12100B	SJFMC06M12100B	SJFMC08M12100B
	Socket	SJFFC03M12100B	SJFFC04M12100B	SJFFC05M12100B	SJFFC06M12100B	SJFFC08M12100B

Right Angle Connector (Pin)



Right Angle Connector (Socket)



Overmoulded Right Angle Connector Cordsets with open cable head



Coding B / Coding D



M 12
5-pole
Coding B



M 12
4-pole
Coding D



Cable PVC

0,8 m	Pin	SJFMC05B12008C	SJFMC04D12008C
	Socket	SJFFC05B12008C	SJFFC04D12008C
1 m	Pin	SJFMC05B12010C	SJFMC04D12010C
	Socket	SJFFC05B12010C	SJFFC04D12010C
2 m	Pin	SJFMC05B12020C	SJFMC04D12020C
	Socket	SJFFC05B12020C	SJFFC04D12020C
5 m	Pin	SJFMC05B12050C	SJFMC04D12050C
	Socket	SJFFC05B12050C	SJFFC04D12050C
10 m	Pin	SJFMC05B12100C	SJFMC04D12100C
	Socket	SJFFC05B12100C	SJFFC04D12100C

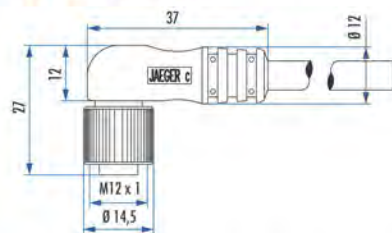
Cable PUR

0,8 m	Pin	SJFMC05B12008P	SJFMC04D12008P
	Socket	SJFFC05B12008P	SJFFC04D12008P
1 m	Pin	SJFMC05B12010P	SJFMC04D12010P
	Socket	SJFFC05B12010P	SJFFC04D12010P
2 m	Pin	SJFMC05B12020P	SJFMC04D12020P
	Socket	SJFFC05B12020P	SJFFC04D12020P
5 m	Pin	SJFMC05B12050P	SJFMC04D12050P
	Socket	SJFFC05B12050P	SJFFC04D12050P
10 m	Pin	SJFMC05B12100P	SJFMC04D12100P
	Socket	SJFFC05B12100P	SJFFC04D12100P

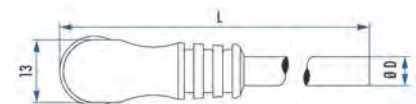
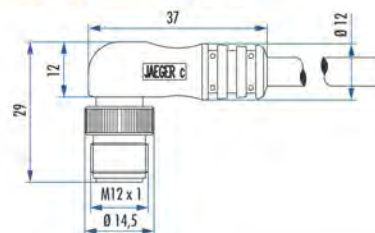
Cable PVC shielded

0,8 m	Pin	SJFMC05B12008B	SJFMC04D12008B
	Socket	SJFFC05B12008B	SJFFC04D12008B
1 m	Pin	SJFMC05B12010B	SJFMC04D12010B
	Socket	SJFFC05B12010B	SJFFC04D12010B
2 m	Pin	SJFMC05B12020B	SJFMC04D12020B
	Socket	SJFFC05B12020B	SJFFC04D12020B
5 m	Pin	SJFMC05B12050B	SJFMC04D12050B
	Socket	SJFFC05B12050B	SJFFC04D12050B
10 m	Pin	SJFMC05B12100B	SJFMC04D12100B
	Socket	SJFFC05B12100B	SJFFC04D12100B

Right Angle Connector (Pin)



Right Angle Connector (Socket)



Overmoulded Right Angle Connector Cordsets with open cable head

Dimensions and specifications may be changed without prior notice

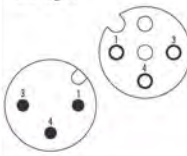


Extension Lines Overmoulded Straight Connector Cordsets M12, Female and Male Thread

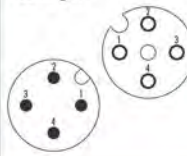
Straight / Straight – Coding A



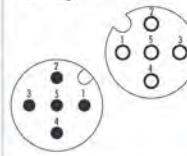
M 12
3-pole
Coding A



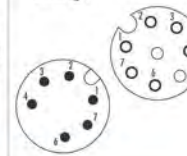
M 12
4-pole
Coding A



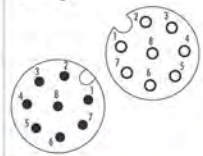
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Cable PVC

0,8 m	SJFFDFMD03M12008	SJFFDFMD04M12008C	SJFFDFMD05M12008C	SJFFDFMD06M12008C	SJFFDFMD08M12008C
1 m	SJFFDFMD03M12010C	SJFFDFMD04M12010C	SJFFDFMD05M12010C	SJFFDFMD06M12010C	SJFFDFMD08M12010C
2 m	SJFFDFMD03M12020C	SJFFDFMD04M12020C	SJFFDFMD05M12020C	SJFFDFMD06M12020C	SJFFDFMD08M12020C
5 m	SJFFDFMD03M12050C	SJFFDFMD04M12050C	SJFFDFMD05M12050C	SJFFDFMD06M12050C	SJFFDFMD08M12050C
10 m	SJFFDFMD03M12100C	SJFFDFMD04M12100C	SJFFDFMD05M12100C	SJFFDFMD06M12100C	SJFFDFMD08M12100C

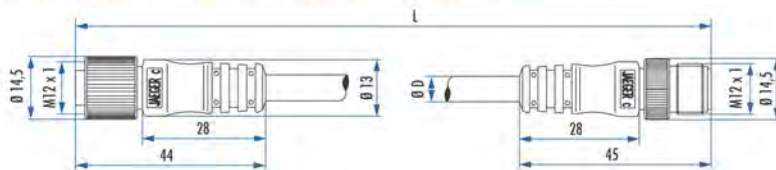
Cable PUR

0,8 m	SJFFDFMD03M12008P	SJFFDFMD04M12008P	SJFFDFMD05M12008P	SJFFDFMD06M12008P	SJFFDFMD08M12008P
1 m	SJFFDFMD03M12010P	SJFFDFMD04M12010P	SJFFDFMD05M12010P	SJFFDFMD06M12010P	SJFFDFMD08M12010P
2 m	SJFFDFMD03M12020P	SJFFDFMD04M12020P	SJFFDFMD05M12020P	SJFFDFMD06M12020P	SJFFDFMD08M12020P
5 m	SJFFDFMD03M12050P	SJFFDFMD04M12050P	SJFFDFMD05M12050P	SJFFDFMD06M12050P	SJFFDFMD08M12050P
10 m	SJFFDFMD03M12100P	SJFFDFMD04M12100P	SJFFDFMD05M12100P	SJFFDFMD06M12100P	SJFFDFMD08M12100P

Cable PVC shielded

0,8 m	SJFFDFMD03M12008B	SJFFDFMD04M12008B	SJFFDFMD05M12008B	SJFFDFMD06M12008B	SJFFDFMD08M12008B
1 m	SJFFDFMD03M12010B	SJFFDFMD04M12010B	SJFFDFMD05M12010B	SJFFDFMD06M12010B	SJFFDFMD08M12010B
2 m	SJFFDFMD03M12020B	SJFFDFMD04M12020B	SJFFDFMD05M12020B	SJFFDFMD06M12020B	SJFFDFMD08M12020B
5 m	SJFFDFMD03M12050B	SJFFDFMD04M12050B	SJFFDFMD05M12050B	SJFFDFMD06M12050B	SJFFDFMD08M12050B
10 m	SJFFDFMD03M12100B	SJFFDFMD04M12100B	SJFFDFMD05M12100B	SJFFDFMD06M12100B	SJFFDFMD08M12100B

Straight Connector, Female Thread / Straight Connector, Male Thread



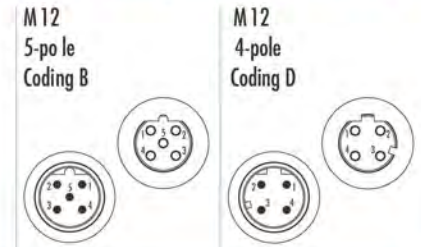
Overmoulded Extension Line „straight / straight“



Extension Lines Overmoulded Straight Connector Cordsets M12, Female and Male Thread



Straight / Straight – Coding B / Coding D



Cable PVC

0,8 m	SJFFDFMD05B12008C	SJFFDFMD04D12008C
1 m	SJFFDFMD05B12010C	SJFFDFMD04D12010C
2 m	SJFFDFMD05B12020C	SJFFDFMD04D12020C
5 m	SJFFDFMD05B12050C	SJFFDFMD04D12050C
10 m	SJFFDFMD05B12100C	SJFFDFMD04D12100C

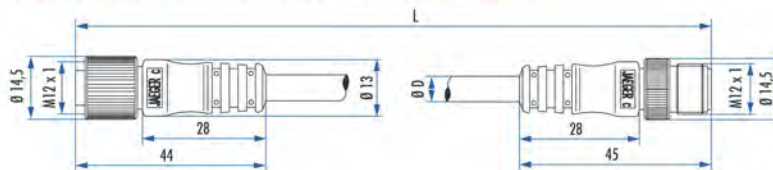
Cable PUR

0,8 m	SJFFDFMD05B12008P	SJFFDFMD04D12008P
1 m	SJFFDFMD05B12010P	SJFFDFMD04D12010P
2 m	SJFFDFMD05B12020P	SJFFDFMD04D12020P
5 m	SJFFDFMD05B12050P	SJFFDFMD04D12050P
10 m	SJFFDFMD05B12100P	SJFFDFMD04D12100P

Cable PVC shielded

0,8 m	SJFFDFMD05B12008B	SJFFDFMD04D12008B
1 m	SJFFDFMD05B12010B	SJFFDFMD04D12010B
2 m	SJFFDFMD05B12020B	SJFFDFMD04D12020B
5 m	SJFFDFMD05B12050B	SJFFDFMD04D12050B
10 m	SJFFDFMD05B12100B	SJFFDFMD04D12100B

Straight Connector, Female Thread / Straight Connector, Male Thread

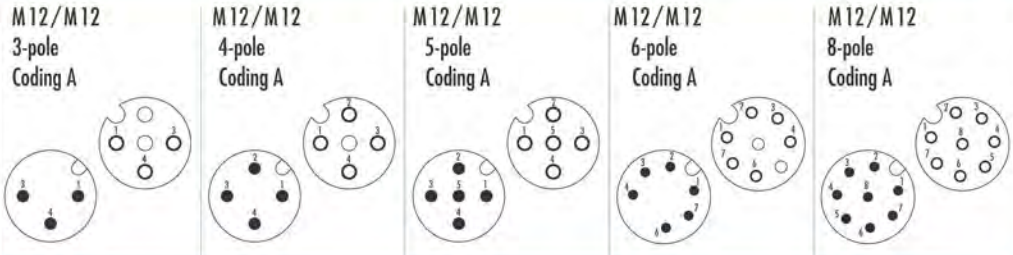


Overmoulded Extension Line „straight / straight“



Extension Lines Overmoulded Straight Connector Cordsets M12, Female and Male Thread

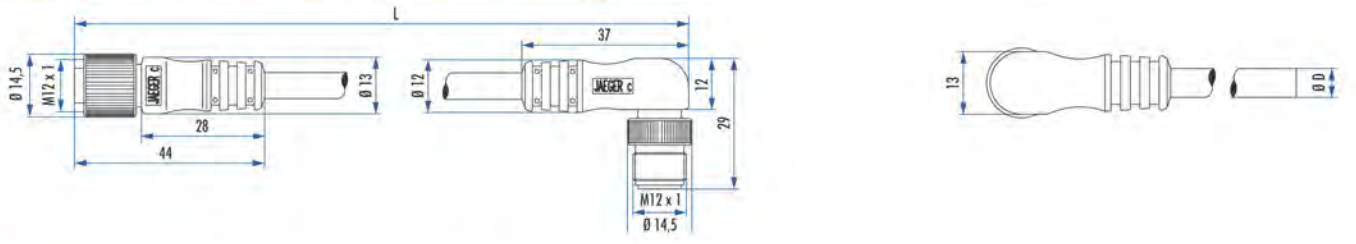
Straight / Right Angle – Coding A



Cable PVC		M 12/M 12 3-pole Coding A	M 12/M 12 4-pole Coding A	M 12/M 12 5-pole Coding A	M 12/M 12 6-pole Coding A	M 12/M 12 8-pole Coding A
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC03M12008C	SJFFDFMC04M12008C	SJFFDFMC05M12008C	SJFFDFMC06M12008C	SJFFDFMC08M12008C
1 m	Pin Right Angle Socket Straight	SJFFDFMC03M12010C	SJFFDFMC04M12010C	SJFFDFMC05M12010C	SJFFDFMC06M12010C	SJFFDFMC08M12010C
2 m	Pin Right Angle Socket Straight	SJFFDFMC03M12020C	SJFFDFMC04M12020C	SJFFDFMC05M12020C	SJFFDFMC06M12020C	SJFFDFMC08M12020C
5 m	Pin Right Angle Socket Straight	SJFFDFMC03M12050C	SJFFDFMC04M12050C	SJFFDFMC05M12050C	SJFFDFMC06M12050C	SJFFDFMC08M12050C
10 m	Pin Right Angle Socket Straight	SJFFDFMC03M12100C	SJFFDFMC04M12100C	SJFFDFMC05M12100C	SJFFDFMC06M12100C	SJFFDFMC08M12100C

Cable PUR		M 12/M 12 3-pole Coding A	M 12/M 12 4-pole Coding A	M 12/M 12 5-pole Coding A	M 12/M 12 6-pole Coding A	M 12/M 12 8-pole Coding A
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC03M12008P	SJFFDFMC04M12008P	SJFFDFMC05M12008P	SJFFDFMC06M12008P	SJFFDFMC08M12008P
1 m	Pin Right Angle Socket Straight	SJFFDFMC03M12010P	SJFFDFMC04M12010P	SJFFDFMC05M12010P	SJFFDFMC06M12010P	SJFFDFMC08M12010P
2 m	Pin Right Angle Socket Straight	SJFFDFMC03M12020P	SJFFDFMC04M12020P	SJFFDFMC05M12020P	SJFFDFMC06M12020P	SJFFDFMC08M12020P
5 m	Pin Right Angle Socket Straight	SJFFDFMC03M12050P	SJFFDFMC04M12050P	SJFFDFMC05M12050P	SJFFDFMC06M12050P	SJFFDFMC08M12050P
10 m	Pin Right Angle Socket Straight	SJFFDFMC03M12100P	SJFFDFMC04M12100P	SJFFDFMC05M12100P	SJFFDFMC06M12100P	SJFFDFMC08M12100P
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC03M12008B	SJFFDFMC04M12008B	SJFFDFMC05M12008B	SJFFDFMC06M12008B	SJFFDFMC08M12008B
1 m	Pin Right Angle Socket Straight	SJFFDFMC03M12010B	SJFFDFMC04M12010B	SJFFDFMC05M12010B	SJFFDFMC06M12010B	SJFFDFMC08M12010B
2 m	Pin Right Angle Socket Straight	SJFFDFMC03M12020B	SJFFDFMC04M12020B	SJFFDFMC05M12020B	SJFFDFMC06M12020B	SJFFDFMC08M12020B
5 m	Pin Right Angle Socket Straight	SJFFDFMC03M12050B	SJFFDFMC04M12050B	SJFFDFMC05M12050B	SJFFDFMC06M12050B	SJFFDFMC08M12050B
10 m	Pin Right Angle Socket Straight	SJFFDFMC03M12100B	SJFFDFMC04M12100B	SJFFDFMC05M12100B	SJFFDFMC06M12100B	SJFFDFMC08M12100B#

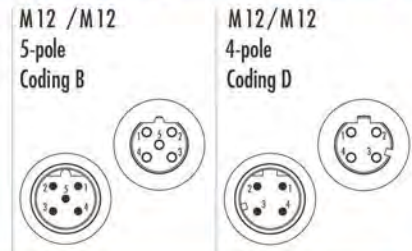
Straight Connector, Female Thread / Straight Connector, Male Thread (Right Angle)



Overmoulded Extension Line „straight / right angle“

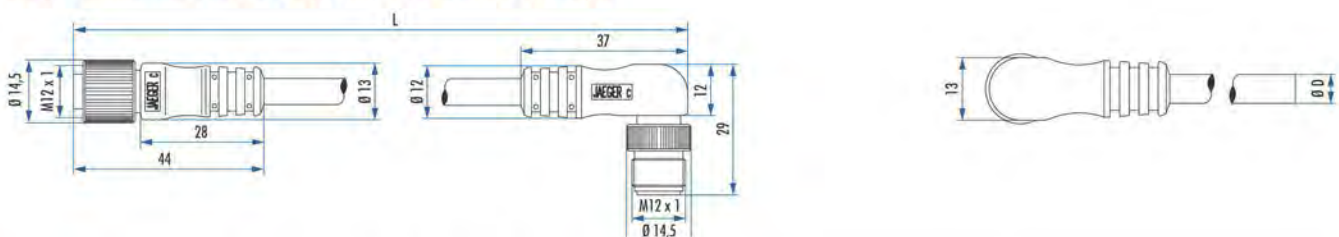


Straight / Right Angle – Coding B / Coding D



Cable PVC		M12 / M12 5-pole Coding B	M12 / M12 4-pole Coding D
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC05B12008C	SJFFDFMC04D12008C
1 m	Pin Right Angle Socket Straight	SJFFDFMC05B12010C	SJFFDFMC04D12010C
2 m	Pin Right Angle Socket Straight	SJFFDFMC05B12020C	SJFFDFMC04D12020C
5 m	Pin Right Angle Socket Straight	SJFFDFMC05B12050C	SJFFDFMC04D12050C
10 m	Pin Right Angle Socket Straight	SJFFDFMC05B12100C	SJFFDFMC04D12100C
Cable PUR			
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC05B12008P	SJFFDFMC04D12008P
1 m	Pin Right Angle Socket Straight	SJFFDFMC05B12010P	SJFFDFMC04D12010P
2 m	Pin Right Angle Socket Straight	SJFFDFMC05B12020P	SJFFDFMC04D12020P
5 m	Pin Right Angle Socket Straight	SJFFDFMC05B12050P	SJFFDFMC04D12050P
10 m	Pin Right Angle Socket Straight	SJFFDFMC05B12100P	SJFFDFMC04D12100P
Cable PVC shielded			
0,8 m	Pin Right Angle Socket Straight	SJFFDFMC05B12008B	SJFFDFMC04D12008B
1 m	Pin Right Angle Socket Straight	SJFFDFMC05B12010B	SJFFDFMC04D12010B
2 m	Pin Right Angle Socket Straight	SJFFDFMC05B12020B	SJFFDFMC04D12020B
5 m	Pin Right Angle Socket Straight	SJFFDFMC05B12050B	SJFFDFMC04D12050B
10 m	Pin Right Angle Socket Straight	SJFFDFMC05B12100B	SJFFDFMC04D12100B

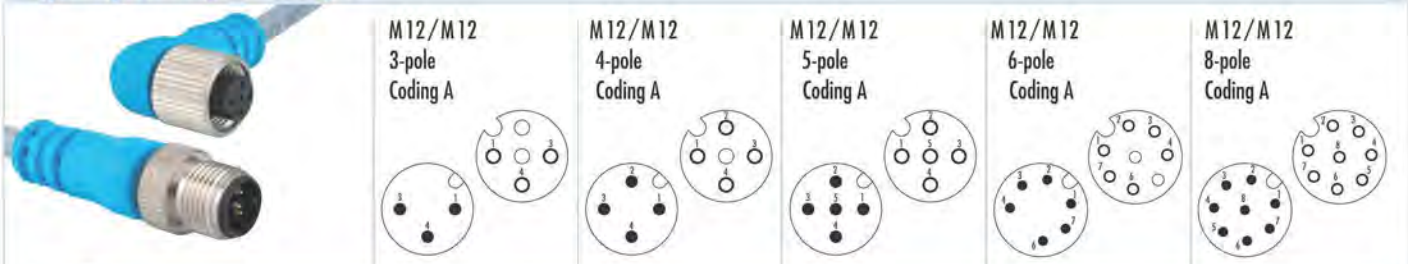
Straight Connector, Female Thread / Straight Connector, Male Thread (Right Angle)



Overmoulded Extension Line „straight/ right angle“

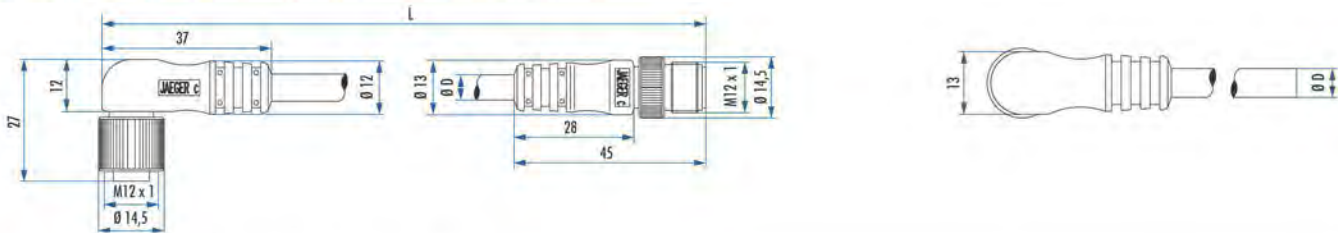


Right Angle / Straight – Coding A



Cable PVC	M 12/M 12 3-pole Coding A	M 12/M 12 4-pole Coding A	M 12/M 12 5-pole Coding A	M 12/M 12 6-pole Coding A	M 12/M 12 8-pole Coding A	
0,8 m	Pin Straight Socket Right Angle	SJFFCFMD03M12008C	SJFFCFMD04M12008C	SJFFCFMD05M12008C	SJFFCFMD06M12008C	SJFFCFMD08M12008C
1 m	Pin Straight Socket Right Angle	SJFFCFMD03M12010C	SJFFCFMD04M12010C	SJFFCFMD05M12010C	SJFFCFMD06M12010C	SJFFCFMD08M12010C
2 m	Pin Straight Socket Right Angle	SJFFCFMD03M12020C	SJFFCFMD04M12020C	SJFFCFMD05M12020C	SJFFCFMD06M12020C	SJFFCFMD08M12020C
5 m	Pin Straight Socket Right Angle	SJFFCFMD03M12050C	SJFFCFMD04M12050C	SJFFCFMD05M12050C	SJFFCFMD06M12050C	SJFFCFMD08M12050C
10 m	Pin Straight Socket Right Angle	SJFFCFMD03M12100C	SJFFCFMD04M12100C	SJFFCFMD05M12100C	SJFFCFMD06M12100C	SJFFCFMD08M12100C
Cable PUR						
0,8 m	Pin Straight Socket Right Angle	SJFFCFMD03M12008P	SJFFCFMD04M12008P	SJFFCFMD05M12008P	SJFFCFMD06M12008P	SJFFCFMD08M12008P
1 m	Pin Straight Socket Right Angle	SJFFCFMD03M12010P	SJFFCFMD04M12010P	SJFFCFMD05M12010P	SJFFCFMD06M12010P	SJFFCFMD08M12010P
2 m	Pin Straight Socket Right Angle	SJFFCFMD03M12020P	SJFFCFMD04M12020P	SJFFCFMD05M12020P	SJFFCFMD06M12020P	SJFFCFMD08M12020P
5 m	Pin Straight Socket Right Angle	SJFFCFMD03M12050P	SJFFCFMD04M12050P	SJFFCFMD05M12050P	SJFFCFMD06M12050P	SJFFCFMD08M12050P
10 m	Pin Straight Socket Right Angle	SJFFCFMD03M12100P	SJFFCFMD04M12100P	SJFFCFMD05M12100P	SJFFCFMD06M12100P	SJFFCFMD08M12100P
Cable PVC shielded						
0,8 m	Pin Straight Socket Right Angle	SJFFCFMD03M12008B	SJFFCFMD04M12008B	SJFFCFMD05M12008B	SJFFCFMD06M12008B	SJFFCFMD08M12008B
1 m	Pin Straight Socket Right Angle	SJFFCFMD03M12010B	SJFFCFMD04M12010B	SJFFCFMD05M12010B	SJFFCFMD06M12010B	SJFFCFMD08M12010B
2 m	Pin Straight Socket Right Angle	SJFFCFMD03M12020B	SJFFCFMD04M12020B	SJFFCFMD05M12020B	SJFFCFMD06M12020B	SJFFCFMD08M12020B
5 m	Pin Straight Socket Right Angle	SJFFCFMD03M12050B	SJFFCFMD04M12050B	SJFFCFMD05M12050B	SJFFCFMD06M12050B	SJFFCFMD08M12050B
10 m	Pin Straight Socket Right Angle	SJFFCFMD03M12100B	SJFFCFMD04M12100B	SJFFCFMD05M12100B	SJFFCFMD06M12100B	SJFFCFMD08M12100B

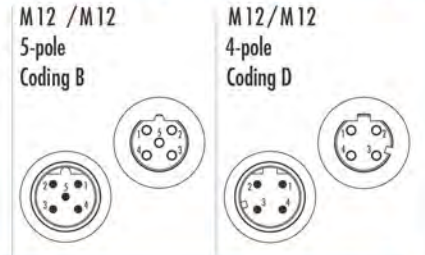
Straight Connector, Female Thread (Right Angle) / Straight Connector, Male Thread



Overmoulded Extension Line „right angle/straight“

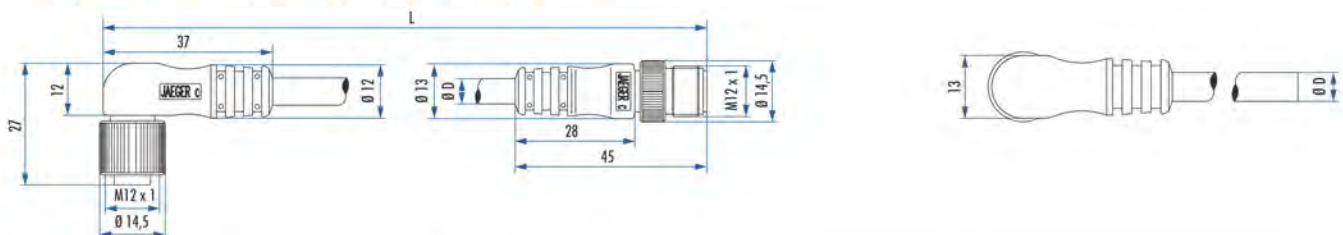


Right Angle / Straight – Coding B / Coding D



Cable PVC		M12 / M12 5-pole Coding B	M12 / M12 4-pole Coding D
0,8 m	Pin Straight	SJFFCFMD05B12008C	SJFFCFMD04D12008C
	Socket Right Angle		
1 m	Pin Straight	SJFFCFMD05B12010C	SJFFCFMD04D12010C
	Socket Right Angle		
2 m	Pin Straight	SJFFCFMD05B12020C	SJFFCFMD04D12020C
	Socket Right Angle		
5 m	Pin Straight	SJFFCFMD05B12050C	SJFFCFMD04D12050C
	Socket Right Angle		
10 m	Pin Straight	SJFFCFMD05B12100C	SJFFCFMD04D12100C
	Socket Right Angle		
Cable PUR			
0,8 m	Pin Straight	SJFFCFMD05B12008P	SJFFCFMD04D12008P
	Socket Right Angle		
1 m	Pin Straight	SJFFCFMD05B12010P	SJFFCFMD04D12010P
	Socket Right Angle		
2 m	Pin Straight	SJFFCFMD05B12020P	SJFFCFMD04D12020P
	Socket Right Angle		
5 m	Pin Straight	SJFFCFMD05B12050P	SJFFCFMD04D12050P
	Socket Right Angle		
10 m	Pin Straight	SJFFCFMD05B12100P	SJFFCFMD04D12100P
	Socket Right Angle		
Cable PVC shielded			
0,8 m	Pin Straight	SJFFCFMD05B12008B	SJFFCFMD04D12008B
	Socket Right Angle		
1 m	Pin Straight	SJFFCFMD05B12010B	SJFFCFMD04D12010B
	Socket Right Angle		
2 m	Pin Straight	SJFFCFMD05B12020B	SJFFCFMD04D12020B
	Socket Right Angle		
5 m	Pin Straight	SJFFCFMD05B12050B	SJFFCFMD04D12050B
	Socket Right Angle		
10 m	Pin Straight	SJFFCFMD05B12100B	SJFFCFMD04D12100B
	Socket Right Angle		

Straight Connector, Female Thread (Right Angle) / Straight Connector, Male Thread



Overmoulded Extension Line „right angle / straight“

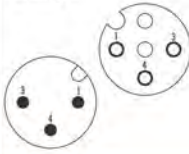


Overmoulded Extension Lines Right Angle Connector Cordsets M12

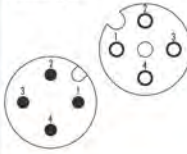
Right Angle / Right Angle – Coding A



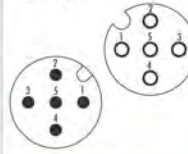
M 12 / M 12
3-pole
Coding A



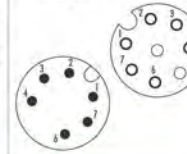
M 12 / M 12
4-pole
Coding A



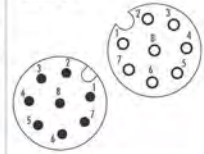
M 12 / M 12
5-pole
Coding A



M 12 / M 12
6-pole
Coding A



M 12 / M 12
8-pole
Coding A



Cable PVC

0,8 m	SJFFCFMC03M12008C	SJFFCFMC04M12008C	SJFFCFMC05M12008C	SJFFCFMC06M12008C	SJFFCFMC08M12008C
1 m	SJFFCFMC03M12010C	SJFFCFMC04M12010C	SJFFCFMC05M12010C	SJFFCFMC06M12010C	SJFFCFMC08M12010C
2 m	SJFFCFMC03M12020C	SJFFCFMC04M12020C	SJFFCFMC05M12020C	SJFFCFMC06M12020C	SJFFCFMC08M12020C
5 m	SJFFCFMC03M12050C	SJFFCFMC04M12050C	SJFFCFMC05M12050C	SJFFCFMC06M12050C	SJFFCFMC08M12050C
10 m	SJFFCFMC03M12100C	SJFFCFMC04M12100C	SJFFCFMC05M12100C	SJFFCFMC06M12100C	SJFFCFMC08M12100C

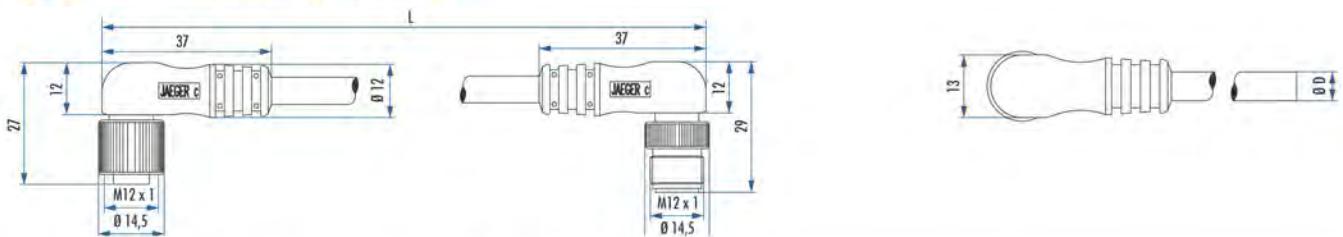
Cable PUR

0,8 m	SJFFCFMC03M12008P	SJFFCFMC04M12008P	SJFFCFMC05M12008P	SJFFCFMC06M12008P	SJFFCFMC08M12008P
1 m	SJFFCFMC03M12010P	SJFFCFMC04M12010P	SJFFCFMC05M12010P	SJFFCFMC06M12010P	SJFFCFMC08M12010P
2 m	SJFFCFMC03M12020P	SJFFCFMC04M12020P	SJFFCFMC05M12020P	SJFFCFMC06M12020P	SJFFCFMC08M12020P
5 m	SJFFCFMC03M12050P	SJFFCFMC04M12050P	SJFFCFMC05M12050P	SJFFCFMC06M12050P	SJFFCFMC08M12050P
10 m	SJFFCFMC03M12100P	SJFFCFMC04M12100P	SJFFCFMC05M12100P	SJFFCFMC06M12100P	SJFFCFMC08M12100P

Cable PVC shielded

0,8 m	SJFFCFMC03M12008B	SJFFCFMC04M12008B	SJFFCFMC05M12008B	SJFFCFMC06M12008B	SJFFCFMC08M12008B
1 m	SJFFCFMC03M12010B	SJFFCFMC04M12010B	SJFFCFMC05M12010B	SJFFCFMC06M12010B	SJFFCFMC08M12010B
2 m	SJFFCFMC03M12020B	SJFFCFMC04M12020B	SJFFCFMC05M12020B	SJFFCFMC06M12020B	SJFFCFMC08M12020B
5 m	SJFFCFMC03M12050B	SJFFCFMC04M12050B	SJFFCFMC05M12050B	SJFFCFMC06M12050B	SJFFCFMC08M12050B
10 m	SJFFCFMC03M12100B	SJFFCFMC04M12100B	SJFFCFMC05M12100B	SJFFCFMC06M12100B	SJFFCFMC08M12100B

Right Angle Connector (Socket) / Right Angle Connector (Pin)

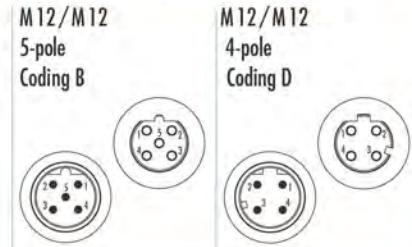


Overmoulded Extension Line „right angle/right angle“



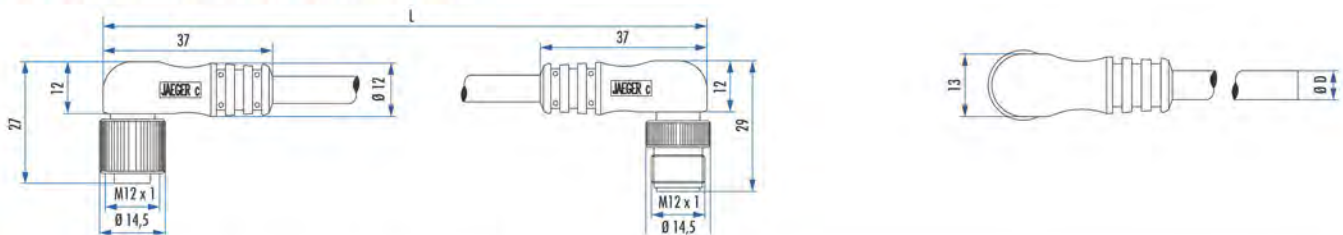
Overmoulded Extension Lines Right Angle Connector Cordsets M12

Right Angle / Right Angle – Coding B / Coding D



Cable PVC	M 12 / M 12 5-pole Coding B	M 12 / M 12 4-pole Coding D
0,8 m	SJFFCFMC05B12008C	SJFFCFMC04D12008C
1 m	SJFFCFMC05B12010C	SJFFCFMC04D12010C
2 m	SJFFCFMC05B12020C	SJFFCFMC04D12020C
5 m	SJFFCFMC05B12050C	SJFFCFMC04D12050C
10 m	SJFFCFMC05B12100C	SJFFCFMC04D12100C
Cable PUR		
0,8 m	SJFFCFMC05B12008P	SJFFCFMC04D12008P
1 m	SJFFCFMC05B12010P	SJFFCFMC04D12010P
2 m	SJFFCFMC05B12020P	SJFFCFMC04D12020P
5 m	SJFFCFMC05B12050P	SJFFCFMC04D12050P
10 m	SJFFCFMC05B12100P	SJFFCFMC04D12100P
Cable PVC shielded		
0,8 m	SJFFCFMC05B12008B	SJFFCFMC04D12008B
1 m	SJFFCFMC05B12010B	SJFFCFMC04D12010B
2 m	SJFFCFMC05B12020B	SJFFCFMC04D12020B
5 m	SJFFCFMC05B12050B	SJFFCFMC04D12050B
10 m	SJFFCFMC05B12100B	SJFFCFMC04D12100B

Right Angle Connector (Socket) / Right Angle Connector (Pin)




Overmoulded Extension Line „right angle / right angle“



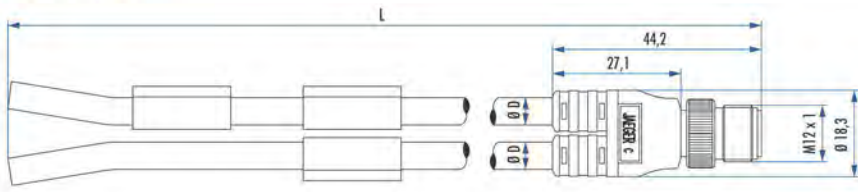
Overmoulded Y-Connector Cordsets M12

"Y"



	M 12 "Y" 3-pole	M 12 "Y" 4-pole	M 12 "Y" 5-pole
Cable PVC			
0,3 m	SJYM12403003C	SJYM12504003C	SJYM12505003C
0,6 m	SJYM12403006C	SJYM12504006C	SJYM12505006C
0,8 m	SJYM12403008C	SJYM12504008C	SJYM12505008C
1 m	SJYM12403010C	SJYM12504010C	SJYM12505010C
Cable PUR			
0,3 m	SJYM12403003P	SJYM12504003P	SJYM12505003P
0,6 m	SJYM12403006P	SJYM12504006P	SJYM12505006P
0,8 m	SJYM12403008P	SJYM12504008P	SJYM12505008P
1 m	SJYM12403010P	SJYM12504010P	SJYM12505010P

Y-Connector (Pin)

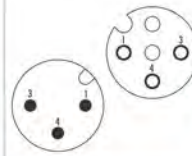



Overmoulded Y-Connector Cordsets with open cable head



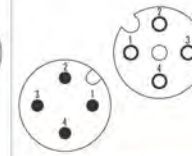
1 x Pin / 2 x Socket

M 12 „T“
3-pole



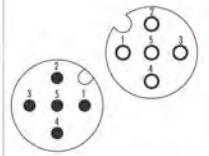
SJTM04FF03

M 12 „T“
4-pole



SJTM05FF04

M 12 „T“
5-pole



SJTM05FF05

T-Connector (1 x Pin / 2 x Socket)



Overmoulded T-Connector

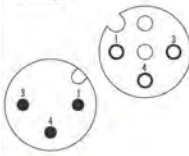


Panel Connectors M12

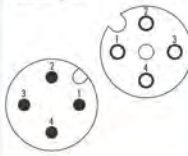
Panel Connectors „Solder Contacts“



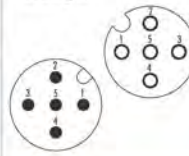
M 12
3-pole
Coding A



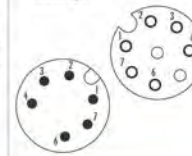
M 12
4-pole
Coding A



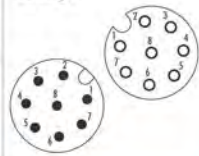
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Metal Housing

Rear mounting ¹⁾	Pin	SJEM03M12PG9BMC1	SJEM04M12PG9BMC1	SJEM05M12PG9BMC1	SJEM06M12PG9BMC1	SJEM08M12PG9BMC1
	Socket	SJEF03M12PG9BMC1	SJEF04M12PG9BMC1	SJEF05M12PG9BMC1	SJEF06M12PG9BMC1	SJEF08M12PG9BMC1
Front mounting ²⁾	Pin	SJEM03M12PG9FMC1	SJEM04M12PG9FMC1	SJEM05M12PG9FMC1	SJEM06M12PG9FMC1	SJEM08M12PG9FMC1
	Socket	SJEF03M12PG9FMC1	SJEF04M12PG9FMC1	SJEF05M12PG9FMC1	SJEF06M12PG9FMC1	SJEF08M12PG9FMC1

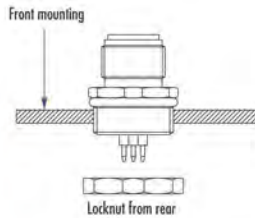
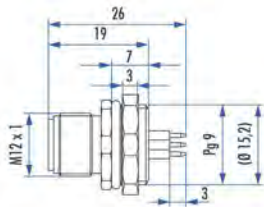
Plastic Housing

Rear mounting ¹⁾	Pin	SJEM03M12PG9BPC1	SJEM04M12PG9BPC1	SJEM05M12PG9BPC1	SJEM06M12PG9BFC1	SJEM08M12PG9BPC1
	Socket	SJEF03M12PG9BPC1	SJEF04M12PG9BPC1	SJEF05M12PG9BPC1	SJEF06M12PG9BFC1	SJEF08M12PG9BPC1
Front mounting ²⁾	Pin	SJEM03M12PG9FPC1	SJEM04M12PG9FPC1	SJEM05M12PG9FPC1	SJEM06M12PG9FPC1	SJEM08M12PG9FPC1
	Socket	SJEF03M12PG9FPC1	SJEF04M12PG9FPC1	SJEF05M12PG9FPC1	SJEF06M12PG9FPC1	SJEF08M12PG9FPC1

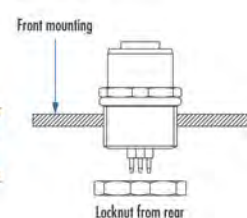
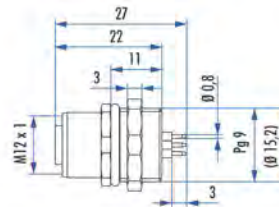
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

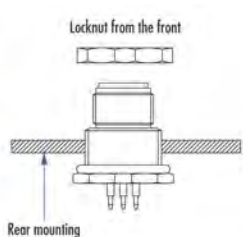
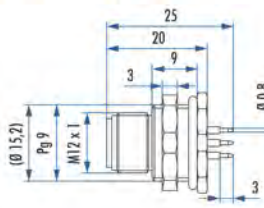
Front mounting (Pin)



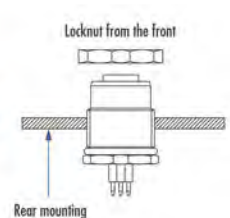
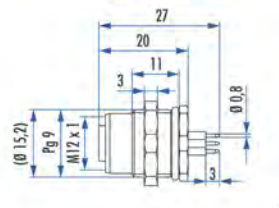
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connector „Solder Contacts“



Panel Connectors „Solder Contacts“



M 12
5-pole
Coding B



M 12
4-pole
Coding D



Metal Housing

Rear mounting ¹⁾	Pin	SJEM05B12PG9BMC1	SJEM04D12PG9BMC1
	Socket	SJEF05B12PG9BMC1	SJEF04D12PG9BMC1
Front mounting ²⁾	Pin	SJEM05B12PG9FMC1	SJEM04D12PG9FMC1
	Socket	SJEF05B12PG9FMC1	SJEF04D12PG9FMC1

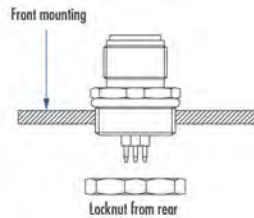
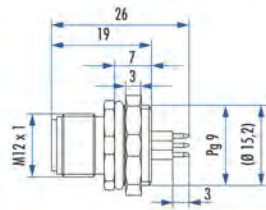
Plastic Housing

Rear mounting ¹⁾	Pin	SJEM05B12PG9BPC1	SJEM04D12PG9BPC1
	Socket	SJEF05B12PG9BPC1	SJEF04D12PG9BPC1
Front mounting ²⁾	Pin	SJEM05B12PG9FPC1	SJEM04D12PG9FPC1
	Socket	SJEF05B12PG9FPC1	SJEF04D12PG9FPC1

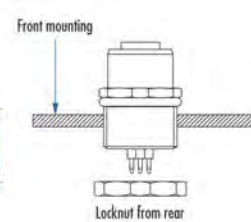
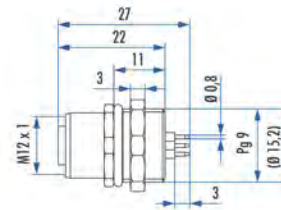
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

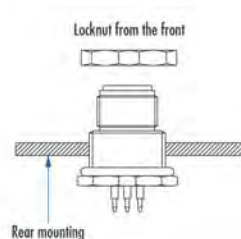
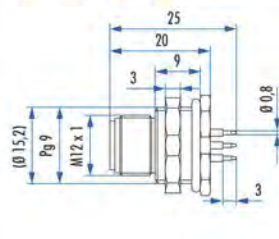
Front mounting (Pin)



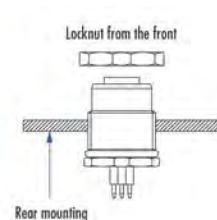
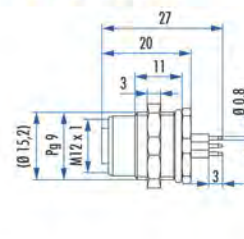
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connector „Solder Contacts“

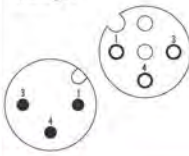


Panel Connector M12

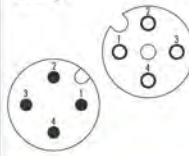
Panel Connectors with cable



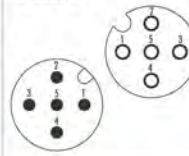
M 12
3-pole
Coding A



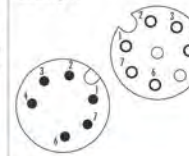
M 12
4-pole
Coding A



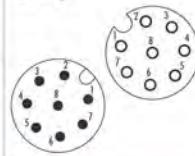
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Metal Housing

40 cm Rear mounting ¹⁾	Pin	SJEM03M12PG9BM4	SJEM04M12PG9BM4	SJEM05M12PG9BM4	SJEM06M12PG9BM4	SJEM08M12PG9BM4
	Socket	SJEF03M12PG9BM4	SJEF04M12PG9BM4	SJEF05M12PG9BM4	SJEF06M12PG9BM4	SJEF08M12PG9BM4
40 cm Front mounting ²⁾	Pin	SJEM03M12PG9FM4	SJEM04M12PG9FM4	SJEM05M12PG9FM4	SJEM06M12PG9FM4	SJEM08M12PG9FM4
	Socket	SJEF03M12PG9FM4	SJEF04M12PG9FM4	SJEF05M12PG9FM4	SJEF06M12PG9FM4	SJEF08M12PG9FM4
50 cm Rear mounting ¹⁾	Pin	SJEM03M12PG9BM50	SJEM04M12PG9BM50	SJEM05M12PG9BM50	SJEM06M12PG9BM50	SJEM08M12PG9BM50
	Socket	SJEF03M12PG9BM50	SJEF04M12PG9BM50	SJEF05M12PG9BM50	SJEF06M12PG9BM50	SJEF08M12PG9BM50
50 cm Front mounting ²⁾	Pin	SJEM03M12PG9FM50	SJEM04M12PG9FM50	SJEM05M12PG9FM50	SJEM06M12PG9FM50	SJEM08M12PG9FM50
	Socket	SJEF03M12PG9FM50	SJEF04M12PG9FM50	SJEF05M12PG9FM50	SJEF06M12PG9FM50	SJEF08M12PG9FM50

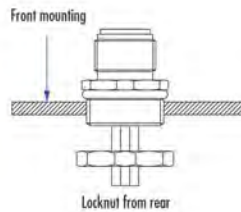
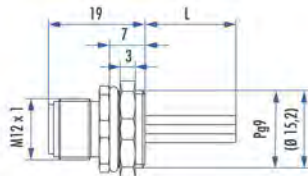
Plastic Housing

40 cm Rear mounting ¹⁾	Pin	SJEM03M12PG9BP40	SJEM04M12PG9BP4	SJEM05M12PG9BP40	SJEM06M12PG9BP40	SJEM08M12PG9BP40
	Socket	SJEF03M12PG9BP40	SJEF04M12PG9BP40	SJEF05M12PG9BP40	SJEF06M12PG9BP40	SJEF08M12PG9BP40
40 cm Front mounting ²⁾	Pin	SJEM03M12PG9FP40	SJEM04M12PG9FP40	SJEM05M12PG9FP40	SJEM06M12PG9FP40	SJEM08M12PG9FP40
	Socket	SJEF03M12PG9FP40	SJEF04M12PG9FP40	SJEF05M12PG9FP40	SJEF06M12PG9FP40	SJEF08M12PG9FP40
50 cm Rear mounting ¹⁾	Pin	SJEM03M12PG9BP50	SJEM04M12PG9BP50	SJEM05M12PG9BP50	SJEM06M12PG9BP50	SJEM08M12PG9BP50
	Socket	SJEF03M12PG9BP50	SJEF04M12PG9BP50	SJEF05M12PG9BP50	SJEF06M12PG9BP50	SJEF08M12PG9BP50
50 cm Front mounting ²⁾	Pin	SJEM03M12PG9FP50	SJEM04M12PG9FP50	SJEM05M12PG9FP50	SJEM06M12PG9FP50	SJEM08M12PG9FP50
	Socket	SJEF03M12PG9FP50	SJEF04M12PG9FP50	SJEF05M12PG9FP50	SJEF06M12PG9FP50	SJEF08M12PG9FP50

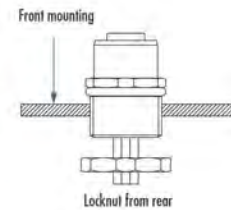
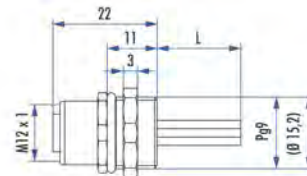
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

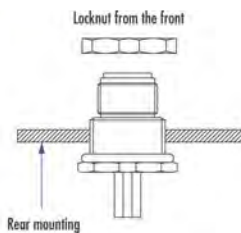
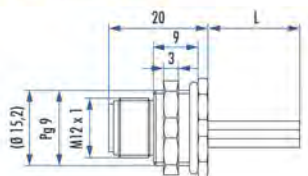
Front mounting (Pin)



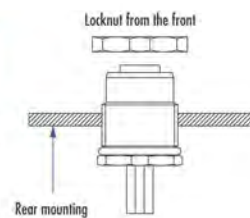
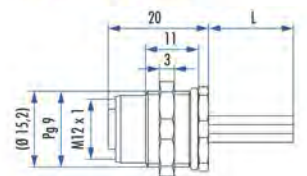
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connectors with open cable head



Panel Connectors with cable



M 12
5-pole
Coding B



M 12
4-pole
Coding D



Metal Housing

Length	Mounting	Type	M 12 5-pole Coding B	M 12 4-pole Coding D
40 cm	Rear mounting ¹⁾	Pin	SJEM05B12PG9BM40	SJEM04D12PG9BM40
		Socket	SJEF05B12PG9BM40	SJEF04D12PG9BM40
40 cm	Front mounting ²⁾	Pin	SJEM05B12PG9FM40	SJEM04D12PG9FM40
		Socket	SJEF05B12PG9FM40	SJEF04D12PG9FM40
50 cm	Rear mounting ¹⁾	Pin	SJEM05B12PG9BM50	SJEM04D12PG9BM50
		Socket	SJEF05B12PG9BM50	SJEF04D12PG9BM50
50 cm	Front mounting ²⁾	Pin	SJEM05B12PG9FM50	SJEM04D12PG9FM50
		Socket	SJEF05B12PG9FM50	SJEF04D12PG9FM50

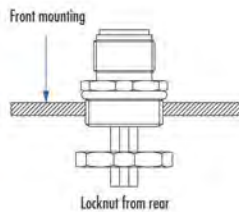
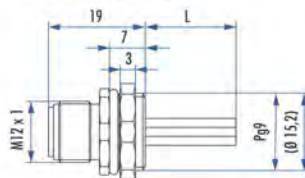
Plastic Housing

Length	Mounting	Type	M 12 5-pole Coding B	M 12 4-pole Coding D
40 cm	Rear mounting ¹⁾	Pin	SJEM05B12PG9BP40	SJEM04D12PG9BP40
		Socket	SJEF05B12PG9BP40	SJEF04D12PG9BP40
40 cm	Front mounting ²⁾	Pin	SJEM05B12PG9FP40	SJEM04D12PG9FP40
		Socket	SJEF05B12PG9FP40	SJEF04D12PG9FP40
50 cm	Rear mounting ¹⁾	Pin	SJEM05B12PG9BP50	SJEM04D12PG9BP50
		Socket	SJEF05B12PG9BP50	SJEF04D12PG9BP50
50 cm	Front mounting ²⁾	Pin	SJEM05B12PG9FP50	SJEM04D12PG9FP50
		Socket	SJEF05B12PG9FP50	SJEF04D12PG9FP50

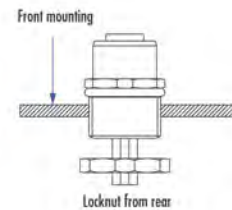
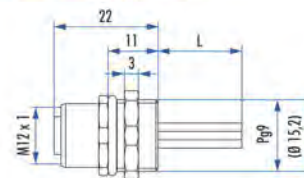
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

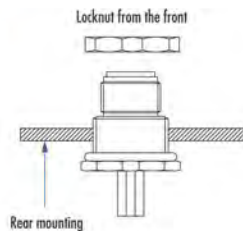
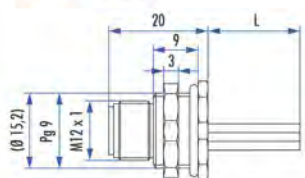
Front mounting (Pin)



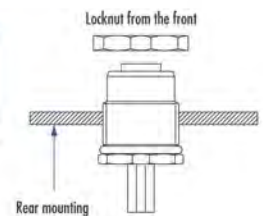
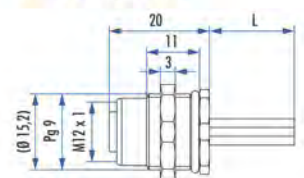
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connectors with open cable head

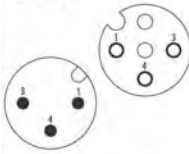


Panel Connector M12

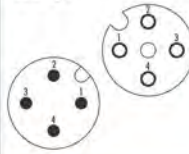
Panel Connectors „Solder Contacts“



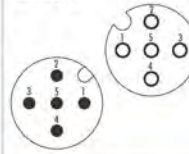
M 12
3-pole
Coding A



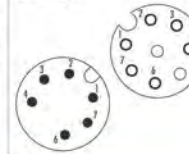
M 12
4-pole
Coding A



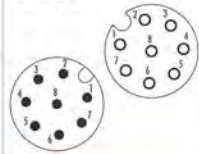
M 12
5-pole
Coding A



M 12
6-pole
Coding A



M 12
8-pole
Coding A



Metal Housing

Rear mounting ¹⁾	Socket	SJEF03M12PG9BMS	SJEF04M12PG9BMSO	SJEF05M12PG9BMSO	SJEF06M12PG9BMSO	SJEF08M12PG9BMSO
Front mounting ²⁾	Pin	SJEM03M12PG11FMS	SJEM04M12PG11FMS	SJEM05M12PG11FMSO	SJEM06M12PG11FMSO	SJEM08M12PG11FMSO

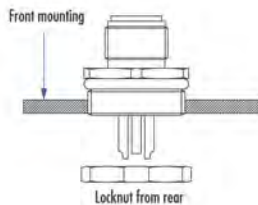
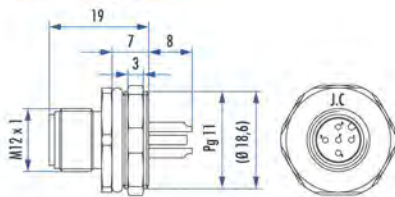
Plastic Housing

Rear mounting ¹⁾	Socket	SJEF03M12PG9BPS	SJEF04M12PG9BPS	SJEF05M12PG9BPSO	SJEF06M12PG9BPSO	SJEF08M12PG9BPSO
Front mounting ²⁾	Pin	SJEM03M12PG11FPS	SJEM04M12PG11FPS	SJEM05M12PG11FPSO	SJEM06M12PG11FPSO	SJEM08M12PG11FPSO

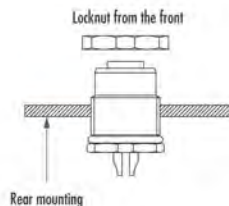
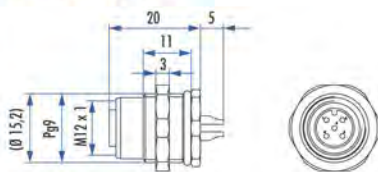
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

Front mounting (Pin)

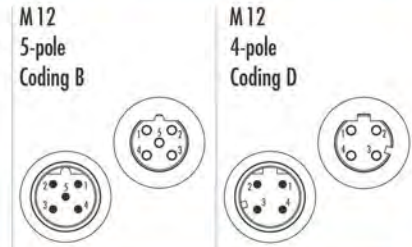


Rear mounting (Socket)



Panel Connectors „Solder Contacts“

Panel Connectors „Solder Contacts“



Metal Housing

Rear mounting ¹⁾	Socket	SJEF05MB12PG9BMSO	SJEF04D12PG9BMSO
Front mounting ²⁾	Pin	SJEM05B12PG11FMSO	SJEM04D12PG11FMSO

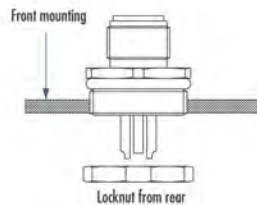
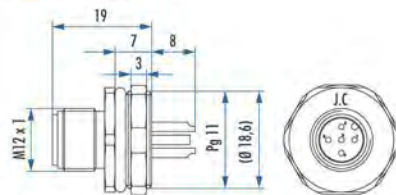
Plastic Housing

Rear mounting ¹⁾	Socket	SJEF05B12PG9BPSO	SJEF04D12PG9BPSO
Front mounting ²⁾	Pin	SJEM05B12PG11FPSO	SJEM04D12PG11FPSO

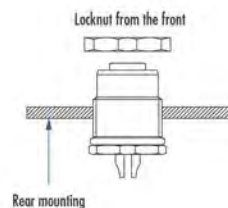
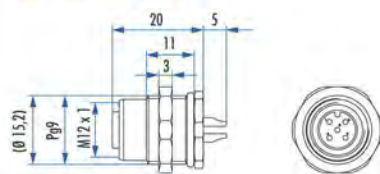
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

Front mounting (Pin)



Rear mounting (Socket)



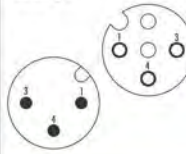
Panel Connectors „Solder Contacts“

Straight Connectors M12, Female and Male Thread

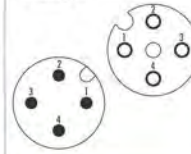
Straight / Metal



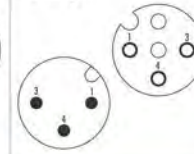
M 12
3-pole
Coding A



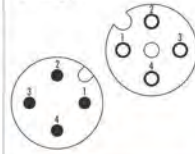
M 12
4-pole
Coding A



M 12
3-pole shielded
Coding A



M 12
4-pole shielded
Coding A



Straight Connector, Female Thread

3 – 6,5 mm Ø cable
4 – 8 mm Ø cable

SJFFD03M12SOPG7
SJFFD03M12SOPG9

SJFFD04M12SOPG7
SJFFD04M12SOPG9

SJFFD03M12SOPG7B
SJFFD03M12SOPG9B

SJFFD04M12SOPG7B
SJFFD04M12SOPG9B

Straight Connector, Male Thread

3 – 6,5 mm Ø cable
4 – 8 mm Ø cable

SJFMD03M12SOPG
SJFMD03M12SOPG

SJFMD04M12SOPG7
SJFMD04M12SOPG9

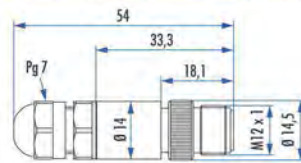
SJFMD03M12SOPG7B
SJFMD03M12SOPG9B

SJFMD04M12SOPG7B
SJFMD04M12SOPG9B

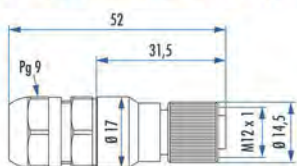
Straight Connector, Female Thread (3 – 6,5 mm)



Straight Connector, Male Thread (3 – 6,5 mm)



Straight Connector, Female Thread (4 – 8 mm)



Straight Connector, Male Thread (4 – 8 mm)



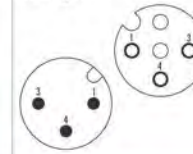
Straight Connectors M12 „Male / Female“



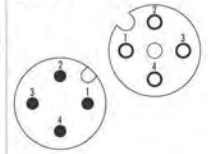
Straight / Plastic



M 12
3-pole
Coding A



M 12
4-pole
Coding A



Straight Connector, Female Thread

3–6,5 mm Ø cable

4–8 mm Ø cable

SJFFD03M12SOPG7K

SJFFD03M12SOPG9K

SJFFD04M12SOPG7K

SJFFD04M12SOPG9K

Straight Connector, Male Thread

3–6,5 mm Ø cable

4–8 mm Ø cable

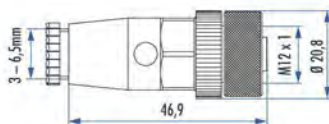
SJFMD03M12SOPG7K

SJFMD03M12SOPG9K

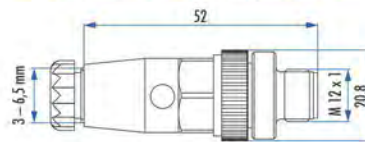
SJFMD04M12SOPG7K

SJFMD04M12SOPG9K

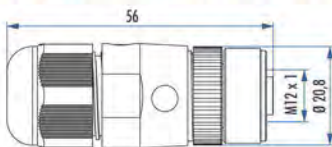
Straight Connector, Female Thread (3–6,5 mm)



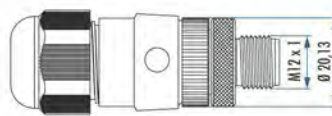
Straight Connector, Male Thread (3–6,5 mm)



Straight Connector, Female Thread (4–8 mm)



Straight Connector, Male Thread (4–8 mm)



Straight Connectors „Male / Female“

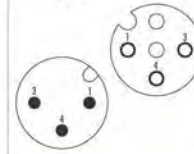


Right Angle Connector M12

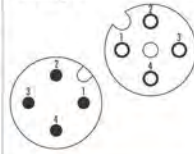
Right Angle / Plastic



M 12
3-pole
Coding A



M 12
4-pole
Coding A



Right Angle Connector (Socket)

3 – 6,5 mm Ø cable

4 – 8 mm Ø cable

SJFFC03M12SOPG7K

SJFFC03M12SOPG9K

SJFFC04M12SOPG7K

SJFFC04M12SOPG9K

Right Angle Connector (Pin)

3 – 6,5 mm Ø cable

4 – 8 mm Ø cable

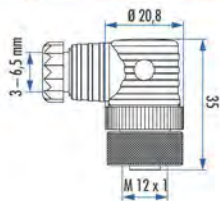
SJFMC03M12SOPG7K

SJFMC03M12SOPG9K

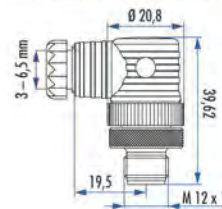
SJFMC04M12SOPG7K

SJFMC04M12SOPG9K

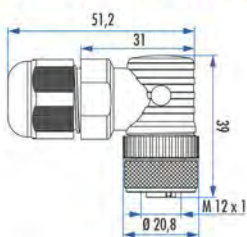
Right Angle Connector (Socket) (3 – 6,5 mm)



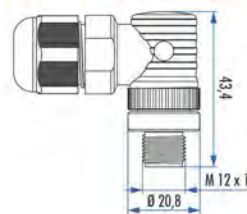
Right Angle Connector (Pin) (3 – 6,5 mm)



Right Angle Connector (Socket) (4 – 8 mm)



Right Angle Connector (Pin) (4 – 8 mm)



Right Angle Connector „Male/Female“



Bulkhead Connectors



M 12
5-pole
Coding A



M 12
8-pole
Coding A



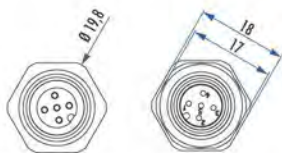
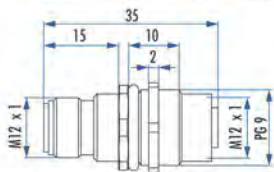
Metal Housing

Pin / Socket

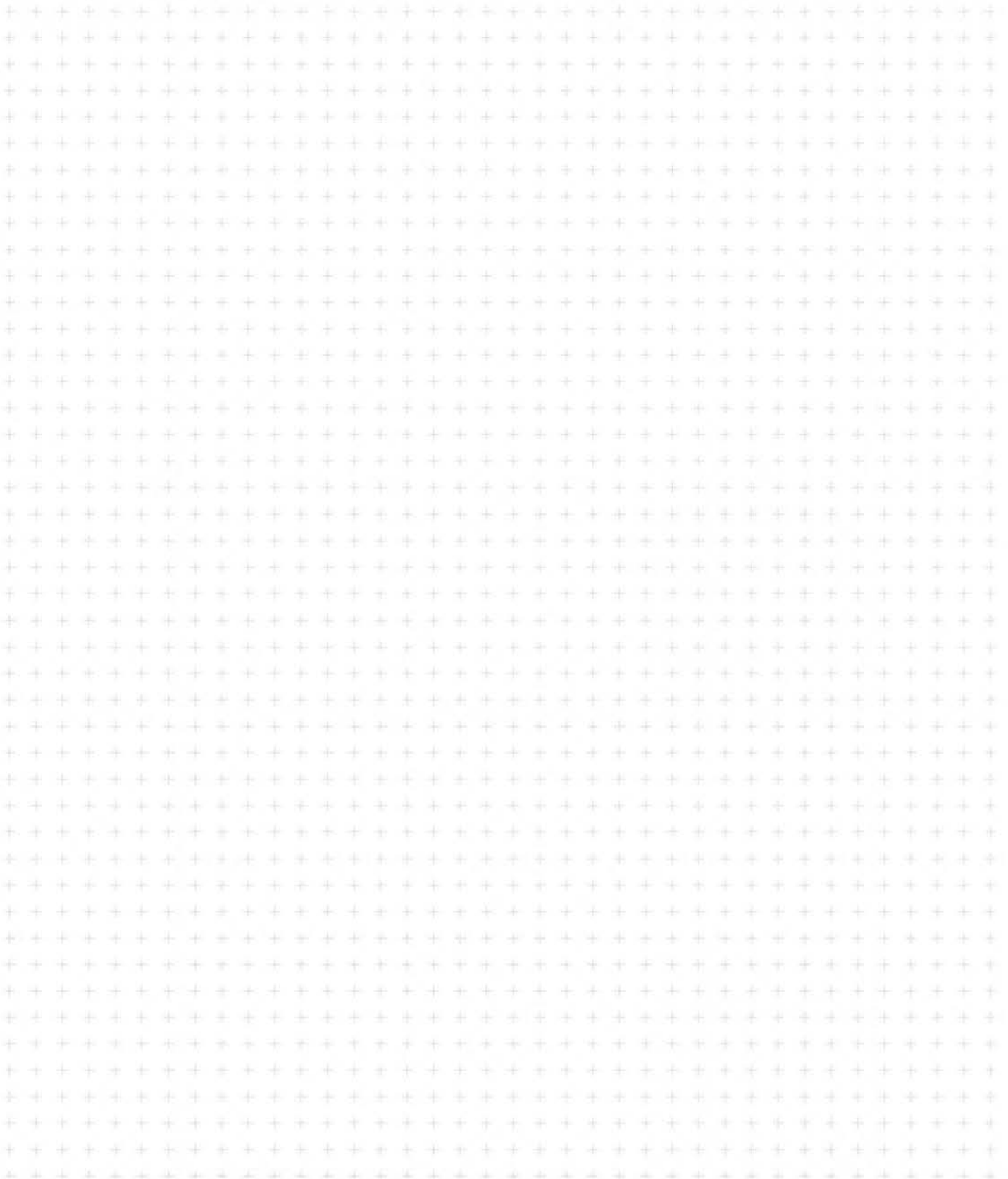
SJ425310006

SJ425313006

Bulkhead Connectors (Pin / Socket)



Bulkhead Connectors



CONNECTORS M 8

Their compactness is their strength. M 8 connectors can also be used in the tightest of spaces. Whether as angled connectors, as in-line connectors or as coupling connectors, the 3-pole and 4-pole variants of the M 8 series are in widespread use. The M 8 connectors have become an established standard in automation and in machinery and system construction.

- // 3-pole and 4-pole variants
- // Straight connectors (female and male thread), right angle connectors
- // Panel connector
- // Extension lines
- // Adapter lines



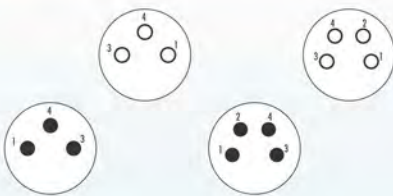
Product overview

Housings

▶ 42



Inserts



Mechanical Data

Housing	Copper-Zinc alloy
Overmould	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass fibre Fire protection class V0
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seals / O-Rings	Fluorocarbon
Temperature range	-30 °C – +70 °C (static operating temperature) -5 °C – +70 °C (dynamic operating temperature)
Protection	IP 67

Electrical Data

	3	4
Number of contacts	3	4
Contact-Ø [mm]	0,25	0,25
Nominal current [A]	4	4
Nominal voltage [V~] degree of protection 3	60	60
Test voltage (Breakdown voltage) [V~]	1000	1000
Insulation resistance [MΩ]	> 10 ⁹	> 10 ⁹

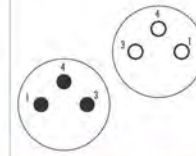


Overmoulded Straight Connector Cordsets M8, Female and Male Thread

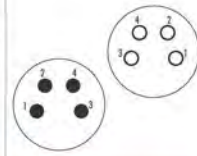
Straight



M 8
3-pole



M 8
4-pole



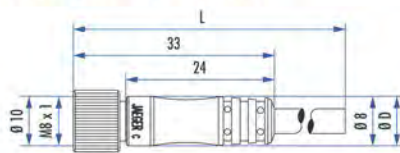
Cable PVC

Length	Configuration	M 8 3-pole	M 8 4-pole
1,5 m	Pin	SJFMD03M8015C	SJFMD04M8015C
	Socket	SJFFD03M8015C	SJFFD04M8015C
3 m	Pin	SJFMD03M8030C	SJFMD04M8030C
	Socket	SJFFD03M8030C	SJFFD04M8030C
5 m	Pin	SJFMD03M8050C	SJFMD04M8050C
	Socket	SJFFD03M8050C	SJFFD04M8050C
10 m	Pin	SJFMD03M8100C	SJFMD04M8100C
	Socket	SJFFD03M8100C	SJFFD04M8100C

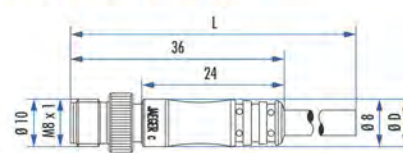
Cable PUR

Length	Configuration	M 8 3-pole	M 8 4-pole
1,5 m	Pin	SJFMD03M8015P	SJFMD04M8015P
	Socket	SJFFD03M8015P	SJFFD04M8015P
3 m	Pin	SJFMD03M8030P	SJFMD04M8030P
	Socket	SJFFD03M8030P	SJFFD04M8030P
5 m	Pin	SJFMD03M8050P	SJFMD04M8050P
	Socket	SJFFD03M8050P	SJFFD04M8050P
10 m	Pin	SJFMD03M8100P	SJFMD04M8100P
	Socket	SJFFD03M8100P	SJFFD04M8100P

Straight Connector, Female Thread



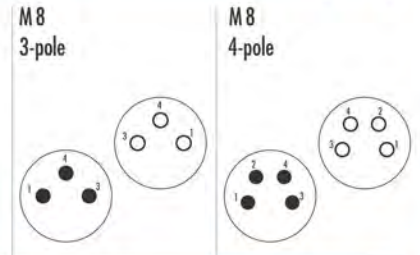
Straight Connector, Male Thread



Overmoulded Connector Cordsets with open cable head

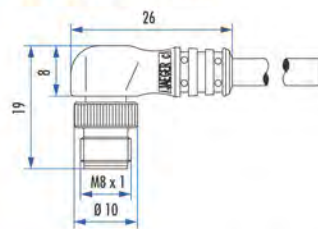


Right Angle

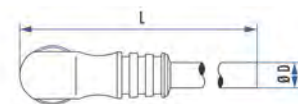
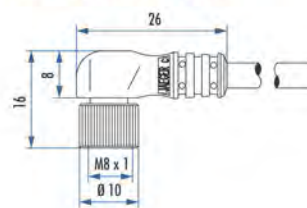


Cable PVC		M 8 3-pole	M 8 4-pole
1,5 m	Pin	SJFMC03M8015C	SJFMC04M8015C
	Socket	SJFFC03M8015C	SJFFC04M8015C
3 m	Pin	SJFMC03M8030C	SJFMC04M8030C
	Socket	SJFFC03M8030C	SJFFC04M8030C
5 m	Pin	SJFMC03M8050C	SJFMC04M8050C
	Socket	SJFFC03M8050C	SJFFC04M8050C
10 m	Pin	SJFMC03M8100C	SJFMC04M8100C
	Socket	SJFFC03M8100C	SJFFC04M8100C
Cable PUR		M 8 3-pole	M 8 4-pole
1,5 m	Pin	SJFMC03M8015P	SJFMC04M8015P
	Socket	SJFFC03M8015P	SJFFC04M8015P
3 m	Pin	SJFMC03M8030P	SJFMC04M8030P
	Socket	SJFFC03M8030P	SJFFC04M8030P
5 m	Pin	SJFMC03M8050P	SJFMC04M8050P
	Socket	SJFFC03M8050P	SJFFC04M8050P
10 m	Pin	SJFMC03M8100P	SJFMC04M8100P
	Socket	SJFFC03M8100P	SJFFC04M8100P

Right Angle Connector (Pin)



Right Angle Connector (Socket)



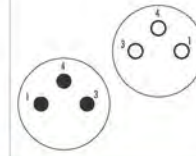
Overmoulded Right Angle Connector Cordsets with open cable head



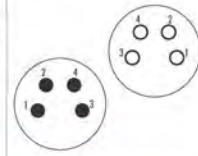
Straight / Straight



M 8
3-pole



M 8
4-pole



Cable PVC

1,5 m
3 m
5 m
10 m

SJFFDFMD03M8015C
SJFFDFMD03M8030C
SJFFDFMD03M8050C
SJFFDFMD03M8100C

SJFFDFMD04M8015C
SJFFDFMD04M8030C
SJFFDFMD04M8050C
SJFFDFMD04M8100C

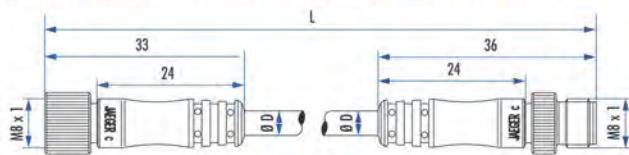
Cable PUR

1,5 m
3 m
5 m
10 m

SJFFDFMD03M8015P
SJFFDFMD03M8030P
SJFFDFMD03M8050P
SJFFDFMD03M8100P

SJFFDFMD04M8015P
SJFFDFMD04M8030P
SJFFDFMD04M8050P
SJFFDFMD04M8100P

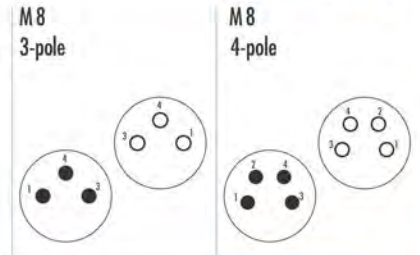
Straight Connector, Female Thread (Socket) / Straight Connector, Male Thread (Pin)



Overmoulded Extension Lines „straight / straight“

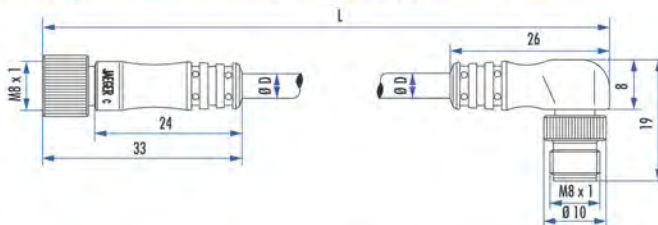


Straight / Right Angle



Cable PVC		M 8 3-pole	M 8 4-pole
1,5 m	Pin Right Angle Socket Straight	SJFFDFMC03M8015C	SJFFDFMC04M8015C
3 m	Pin Right Angle Socket Straight	SJFFDFMC03M8030C	SJFFDFMC04M8030C
5 m	Pin Right Angle Socket Straight	SJFFDFMC03M8050C	SJFFDFMC04M8050C
10 m	Pin Right Angle Socket Straight	SJFFDFMC03M8100C	SJFFDFMC04M8100C
Cable PUR		M 8 3-pole	M 8 4-pole
1,5 m	Pin Right Angle Socket Straight	SJFFDFMC03M8015P	SJFFDFMC04M8015P
3 m	Pin Right Angle Socket Straight	SJFFDFMC03M8030P	SJFFDFMC04M8030P
5 m	Pin Right Angle Socket Straight	SJFFDFMC03M8050P	SJFFDFMC04M8050P
10 m	Pin Right Angle Socket Straight	SJFFDFMC03M8100P	SJFFDFMC04M8100P

Straight Connector, Female Thread (Socket) / Right Angle Connector (Pin)



Overmoulded Extension Lines „straight / right angle“

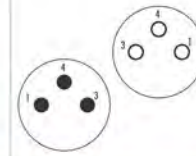


Overmoulded Extension Lines for Cordsets M8, Female and Male Thread

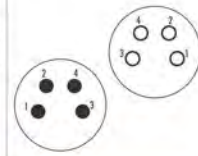
Right Angle / Straight



M 8
3-pole



M 8
4-pole



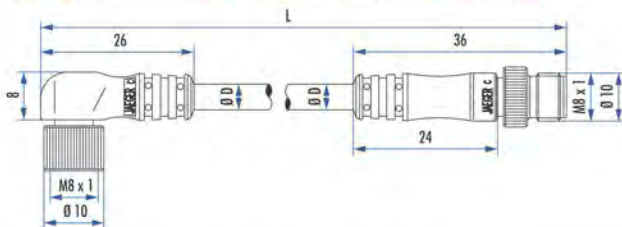
Cable PVC

1,5 m	Pin Straight Socket Right Angle	SJFFCFMD03M8015C	SJFFCFMD04M8015C
3 m	Pin Straight Socket Right Angle	SJFFCFMD03M8030C	SJFFCFMD04M8030C
5 m	Pin Straight Socket Right Angle	SJFFCFMD03M8050C	SJFFCFMD04M8050C
10 m	Pin Straight Socket Right Angle	SJFFCFMD03M8100C	SJFFCFMD04M8100C

Cable PUR

1,5 m	Pin Straight Socket Right Angle	SJFFCFMD03M8015P	SJFFCFMD04M8015P
3 m	Pin Straight Socket Right Angle	SJFFCFMD03M8030P	SJFFCFMD04M8030P
5 m	Pin Straight Socket Right Angle	SJFFCFMD03M8050P	SJFFCFMD04M8050P
10 m	Pin Straight Socket Right Angle	SJFFCFMD03M8100P	SJFFCFMD04M8100P

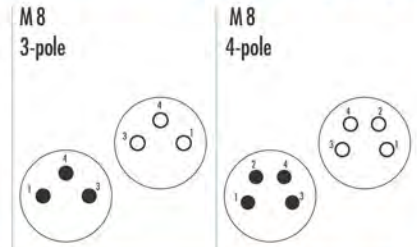
Right Angle Connector (Socket) / Straight Connector, Male Thread (Pin)



Overmoulded Extension Lines „right angle / straight“

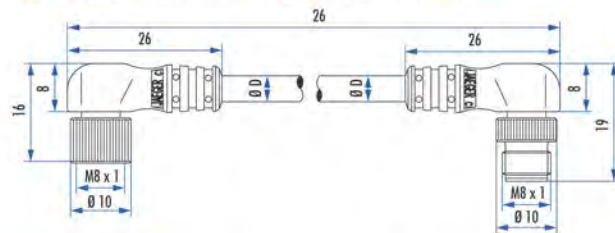


Right Angle / Right Angle



Cable PVC	M 8 3-pole	M 8 4-pole
1,5 m	SJFFCFMC03M8015C	SJFFCFMC04M8015C
3 m	SJFFCFMC03M8030C	SJFFCFMC04M8030C
5 m	SJFFCFMC03M8050C	SJFFCFMC04M8050C
10 m	SJFFCFMC03M8100C	SJFFCFMC04M8100C
Cable PUR		
1,5 m	SJFFCFMC03M8015P	SJFFCFMC04M8015P
3 m	SJFFCFMC03M8030P	SJFFCFMC04M8030P
5 m	SJFFCFMC03M8050P	SJFFCFMC04M8050P
10 m	SJFFCFMC03M8100P	SJFFCFMC04M8100P

Right Angle Connector (Socket) / Right Angle Connector (Pin)



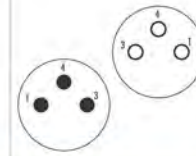
Overmoulded Extension Lines „right angle / right angle“



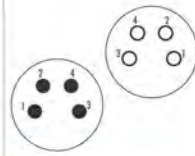
Panel Connector M8



M 8
3-pole



M 8
4-pole



Metal Housing

Rear mounting ¹⁾ 40 cm	Pin	SJEM03M8BM40	SJEM04M8BM40
Front mounting ²⁾ 40 cm	Pin	SJEM03M8FM40	SJEM04M8FM40
Front mounting ²⁾ 40 cm	Socket	SJEF03M8FM40	SJEF04M8FM40
Rear mounting ¹⁾ 50 cm	Pin	SJEM03M8BM50	SJEM04M8BM50
Front mounting ²⁾ 50 cm	Pin	SJEM03M8FM50	SJEM04M8FM50
Front mounting ²⁾ 50 cm	Socket	SJEF03M8FM50	SJEF04M8FM50

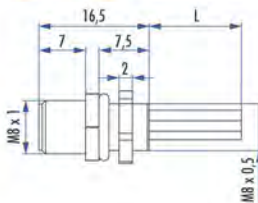
Plastic Housing

Rear mounting ¹⁾ 40 cm	Pin	SJEM03M8BP40	SJEM04M8BP40
Front mounting ²⁾ 40 cm	Pin	SJEM03M8FP40	SJEM04M8FP40
Front mounting ²⁾ 40 cm	Socket	SJEF03M8FP40	SJEF04M8FP40
Rear mounting ¹⁾ 50 cm	Pin	SJEM03M8BP50	SJEM04M8BP50
Front mounting ²⁾ 50 cm	Pin	SJEM03M8FP50	SJEM04M8FP50
Front mounting ²⁾ 50 cm	Socket	SJEF03M8FP50	SJEF04M8FP50

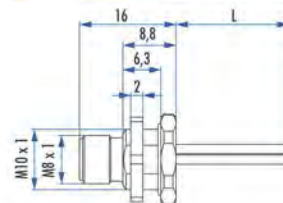
¹⁾ Rear mounting, locknut from the front

²⁾ Front mounting, locknut from rear

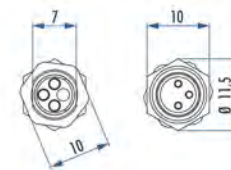
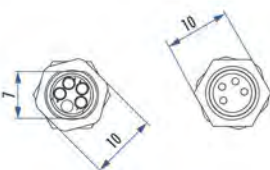
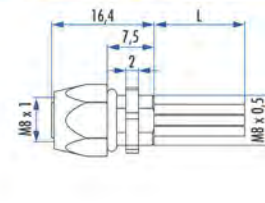
Front mounting



Rear mounting



Front mounting



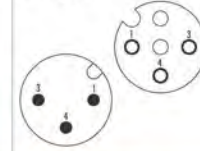
Panel Connector with open cable head



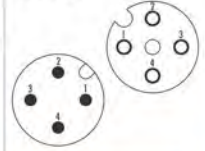
Straight



M 8
3-pole
Coding A



M 8
4-pole
Coding A



Straight Connector, Female Thread

3–6,5 mm Ø cable

SJFFD03M8SOPG7K

SJFFD04M8SOPG7K

Straight Connector, Male Thread

3–6,5 mm Ø cable

SJFMD03M8SOPG7K

SJFMD04M8SOPG7K

M 72

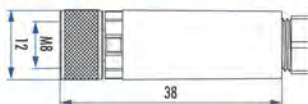
M 8

Customized Solutions

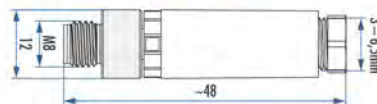
Splitting Boxes

Colours of Conductors

Straight Connector, Female Thread



Straight Connector, Male Thread



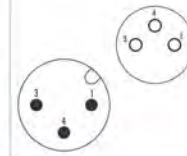
Straight Connector M 8 „Male/Female“



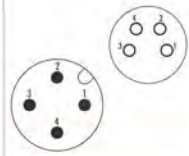
Straight / Straight



M 8
3-pole



M 8
4-pole



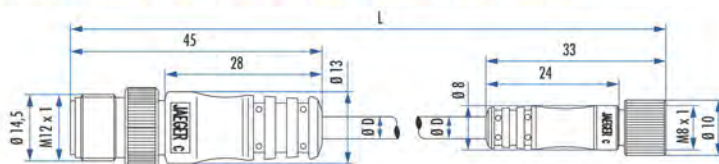
Cable PVC

1,5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8015C	SJMD4M12FDM8015C
3 m	M 12 Pin M 8 Socket	SJMD3M12FDM8030C	SJMD4M12FDM8030C
5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8050C	SJMD4M12FDM8050C
7,5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8075C	SJMD4M12FDM8075C
10 m	M 12 Pin M 8 Socket	SJMD3M12FDM8100C	SJMD4M12FDM8100C

Cable PUR

1,5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8015P	SJMD4M12FDM8015P
3 m	M 12 Pin M 8 Socket	SJMD3M12FDM8030P	SJMD4M12FDM8030P
5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8050P	SJMD4M12FDM8050P
7,5 m	M 12 Pin M 8 Socket	SJMD3M12FDM8075P	SJMD4M12FDM8075P
10 m	M 12 Pin M 8 Socket	SJMD3M12FDM8100P	SJMD4M12FDM8100P

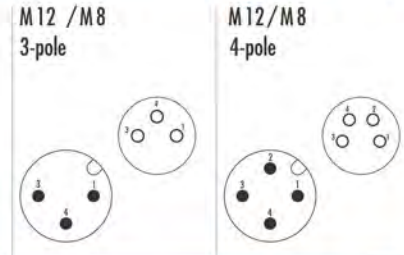
Straight Connector, Male Thread M 12 / Straight Connector, Female Thread M 8



Adapter Line „Straight / Straight“

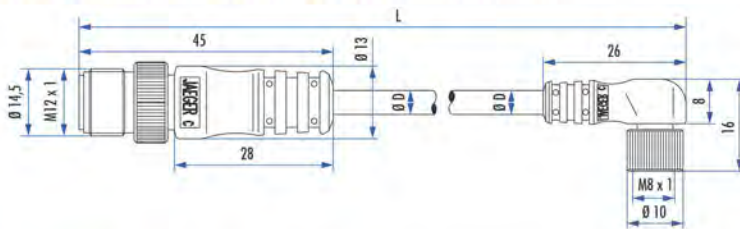


Straight / Right Angle



Cable PVC		M 12 / M 8 3-pole	M 12 / M 8 4-pole
1,5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8015C	SJMD4M12FCM8015C
3 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8030C	SJMD4M12FCM8030C
5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8050C	SJMD4M12FCM8050C
7,5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8075C	SJMD4M12FCM8075C
10 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8100C	SJMD4M12FCM8100C
Cable PUR			
1,5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8015P	SJMD4M12FCM8015P
3 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8030P	SJMD4M12FCM8030P
5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8050P	SJMD4M12FCM8050P
7,5 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8075P	SJMD4M12FCM8075P
10 m	M 12 Pin Straight M 8 Socket Right Angle	SJMD3M12FCM8100P	SJMD4M12FCM8100P

Straight Connector, Male Thread M 12 / Right Angle Connector M 8 (Socket)



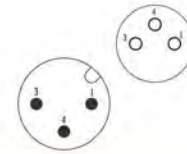
Adapter Line „Straight / Right Angle“



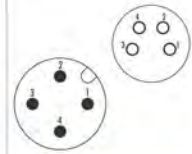
Right Angle / Straight



M12 / M8
3-pole



M12 / M8
4-pole



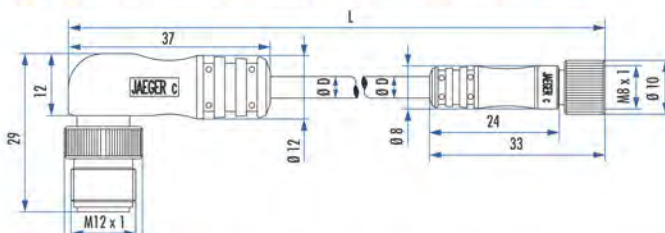
Cable PVC

Length	Connector Configuration	Part Number (3-pole)	Part Number (4-pole)
1,5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8015C	SJMC4M12FDM8015C
3 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8030C	SJMC4M12FDM8030C
5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8050C	SJMC4M12FDM8050C
7,5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8075C	SJMC4M12FDM8075C
10 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8100C	SJMC4M12FDM8100C

Cable PUR

Length	Connector Configuration	Part Number (3-pole)	Part Number (4-pole)
1,5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8015P	SJMC4M12FDM8015P
3 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8030P	SJMC4M12FDM8030P
5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8050P	SJMC4M12FDM8050P
7,5 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8075P	SJMC4M12FDM8075P
10 m	M12 Pin Right Angle M8 Socket Straight	SJMC3M12FDM8100P	SJMC4M12FDM8100P

Right Angle Connector M12 (Pin) / Straight Connector, Female Thread M8



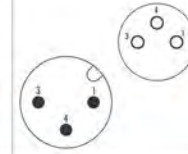
Adapter Line „Straight / Right Angle“



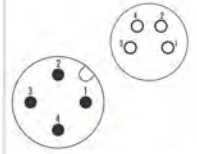
Right Angle / Right Angle



M 12 / M 8
3-pole



M 12 / M 8
4-pole



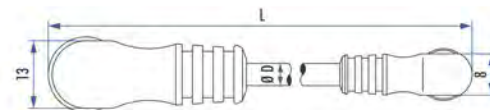
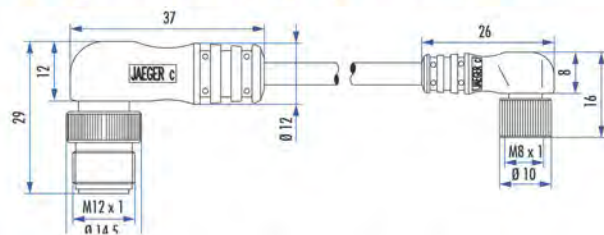
Cable PVC

Length	Connector Type	M 12 / M 8 3-pole	M 12 / M 8 4-pole
1,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8015C	SJMC4M12FCM8015C
3 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8030C	SJMC4M12FCM8030C
5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8050C	SJMC4M12FCM8050C
7,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8075C	SJMC4M12FCM8075C
10 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8100C	SJMC4M12FCM8100C

Cable PUR

Length	Connector Type	M 12 / M 8 3-pole	M 12 / M 8 4-pole
1,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8015P	SJMC4M12FCM8015P
3 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8030P	SJMC4M12FCM8030P
5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8050P	SJMC4M12FCM8050P
7,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8075P	SJMC4M12FCM8075P
10 m	M 12 Pin Right Angle M 8 Socket Right Angle	SJMC3M12FCM8100P	SJMC4M12FCM8100P

Right Angle Connector M 12 (Pin) / Right Angle Connector M 8 (Socket)



Adapter Line „Right Angle / Right Angle“



CUSTOMIZED SOLUTIONS

The right connector for every application. The special solutions cover a multitude of combinations. Numerous variations of extension and adapter leads with T-connectors and Y-connectors are also available. And, if the version you require is not included in these, customer-specific solutions can also be developed and produced.

- // Y-connector extension lines
- // T-connector extension lines
- // Adapter lines



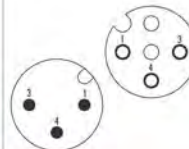


Overmoulded Y-Connector + Connector Cordsets M12, Female Thread

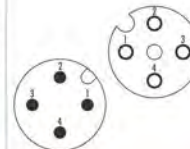
„Y“ (Pin) to straight/straight (Socket)



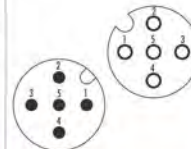
M 12 „Y“
3-pole



M 12 „Y“
4-pole



M 12 „Y“
5-pole



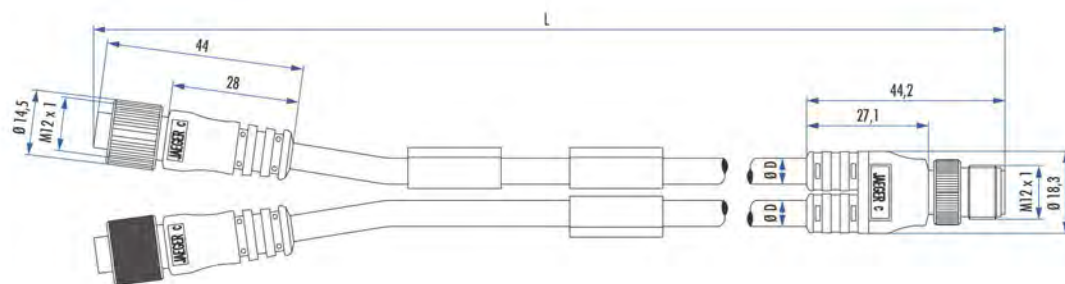
Cable PVC

0,3 m	SJYM1242FFD03003C	SJYM1252FFD04003C	SJYM1252FFD05003C
0,6 m	SJYM1242FFD03006C	SJYM1252FFD04006C	SJYM1252FFD05006C
0,8 m	SJYM1242FFD03008C	SJYM1252FFD04008C	SJYM1252FFD05008C
1 m	SJYM1242FFD03010C	SJYM1252FFD04010C	SJYM1252FFD05010C

Cable PUR

0,3 m	SJYM1242FFD03003P	SJYM1252FFD04003P	SJYM1252FFD05003P
0,6 m	SJYM1242FFD03006P	SJYM1252FFD04006P	SJYM1252FFD05006P
0,8 m	SJYM1242FFD03008P	SJYM1252FFD04008P	SJYM1252FFD05008P
1 m	SJYM1242FFD03010P	SJYM1252FFD04010P	SJYM1252FFD05010P

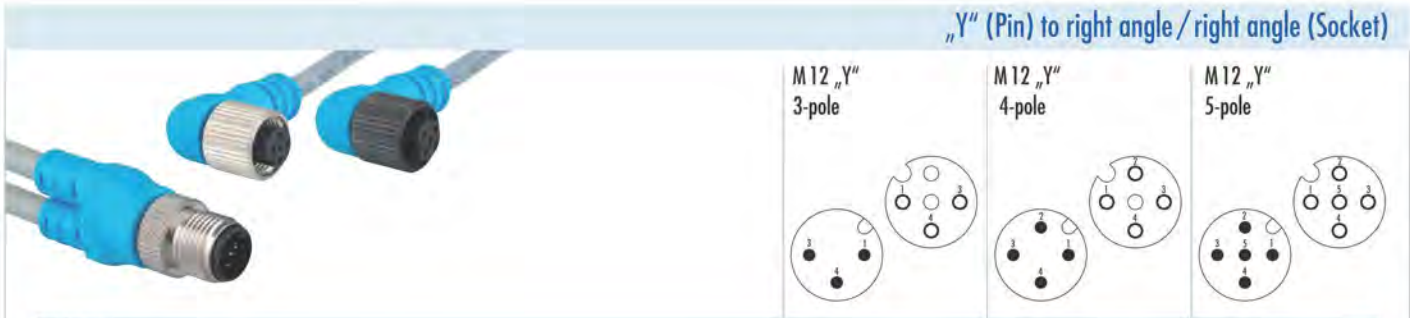
Y-Connector (Pin) + Straight Connector, Female Thread (Socket)



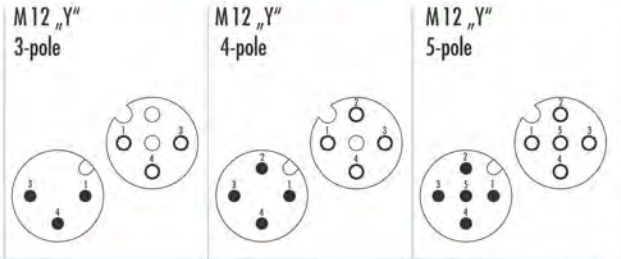
Extension Line „Y“ to „Straight“



Overmoulded Y-Connector + Right Angle Connectors M 12

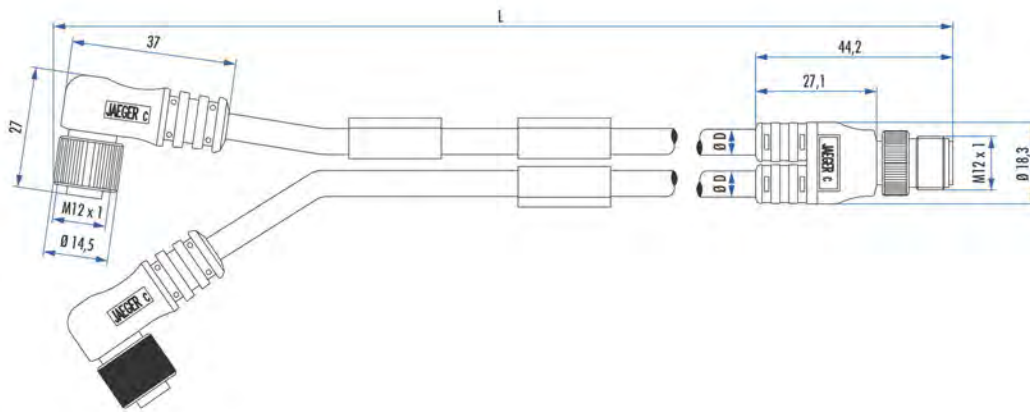


„Y“ (Pin) to right angle / right angle (Socket)



Cable PVC			
0,3 m	SJYM1242FFC03003C	SJYM1252FFC04003C	SJYM1252FFC05003C
0,6 m	SJYM1242FFC03006C	SJYM1252FFC04006C	SJYM1252FFC05006C
0,8 m	SJYM1242FFC03008C	SJYM1252FFC04008C	SJYM1252FFC05008C
1 m	SJYM1242FFC03010C	SJYM1252FFC04010C	SJYM1252FFC05010C
Cable PUR			
0,3 m	SJYM1242FFC03003P	SJYM1252FFC04003P	SJYM1252FFC05003P
0,6 m	SJYM1242FFC03006P	SJYM1252FFC04006P	SJYM1252FFC05006P
0,8 m	SJYM1242FFC03008P	SJYM1252FFC04008P	SJYM1252FFC05008P
1 m	SJYM1242FFC03010P	SJYM1252FFC04010P	SJYM1252FFC05010P

Y-Connector (Pin) + Right Angle Connector (Socket)



Extension Line „Y“ to „Right Angle“

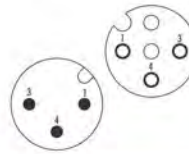


Overmoulded T-Connector + Straight Connectors M12, Male Thread

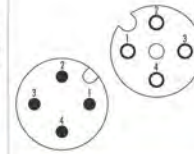
„T“ (Socket) to Straight (Pin)



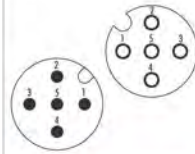
M 12 „T“
3-pole



M 12 „T“
4-pole



M 12 „T“
5-pole



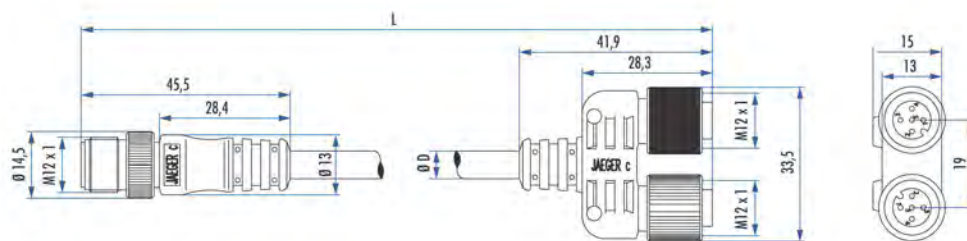
Cable PVC

0,3 m	SJTM12FF3FMD4003C	SJTM12FF4FMD5003C	SJTM12FF5FMD5003C
0,6 m	SJTM12FF3FMD4006C	SJTM12FF4FMD5006C	SJTM12FF5FMD5006C
0,8 m	SJTM12FF3FMD4008C	SJTM12FF4FMD5008C	SJTM12FF5FMD5008C
1 m	SJTM12FF3FMD4010C	SJTM12FF4FMD5010C	SJTM12FF5FMD5010C

Cable PUR

0,3 m	SJTM12FF3FMD4003P	SJTM12FF4FMD5003P	SJTM12FF5FMD5003P
0,6 m	SJTM12FF3FMD4006P	SJTM12FF4FMD5006P	SJTM12FF5FMD5006P
0,8 m	SJTM12FF3FMD4008P	SJTM12FF4FMD5008P	SJTM12FF5FMD5008P
1 m	SJTM12FF3FMD4010P	SJTM12FF4FMD5010P	SJTM12FF5FMD5010P

Straight Connector, Male Thread / T-Connector



Extension Line „T“ to „Straight“

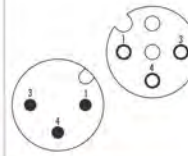


Overmoulded T-Connector + Right Angle Connectors (Pin) M12

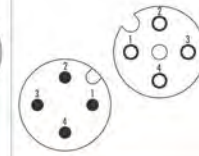
„T“ (Socket) to Right Angle (Pin)



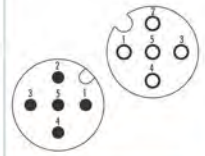
M 12 „T“
3-pole



M 12 „T“
4-pole



M 12 „T“
5-pole



Cable PVC

0,3 m

SJTM12FF3FMC4003C

SJTM12FF4FMC5003C

SJTM12FF5FMC5003C

0,6 m

SJTM12FF3FMC4006C

SJTM12FF4FMC5006C

SJTM12FF5FMC5006C

0,8 m

SJTM12FF3FMC4008C

SJTM12FF4FMC5008C

SJTM12FF5FMC5008C

1 m

SJTM12FF3FMC4010C

SJTM12FF4FMC5010C

SJTM12FF5FMC5010C

Cable PUR

0,3 m

SJTM12FF3FMC4003P

SJTM12FF4FMC5003P

SJTM12FF5FMC5003P

0,6 m

SJTM12FF3FMC4006P

SJTM12FF4FMC5006P

SJTM12FF5FMC5006P

0,8 m

SJTM12FF3FMC4008P

SJTM12FF4FMC5008P

SJTM12FF5FMC5008P

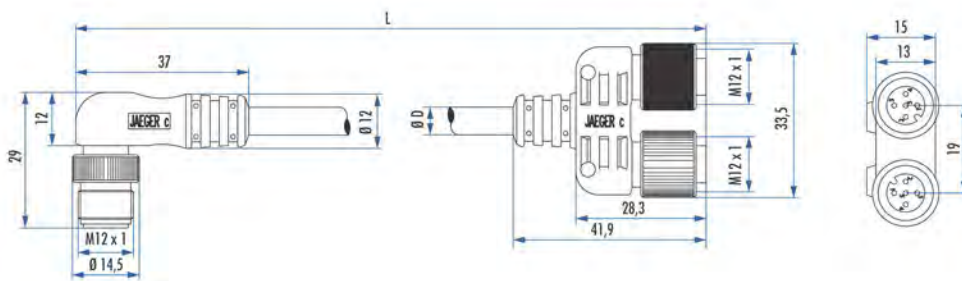
1 m

SJTM12FF3FMC4010P

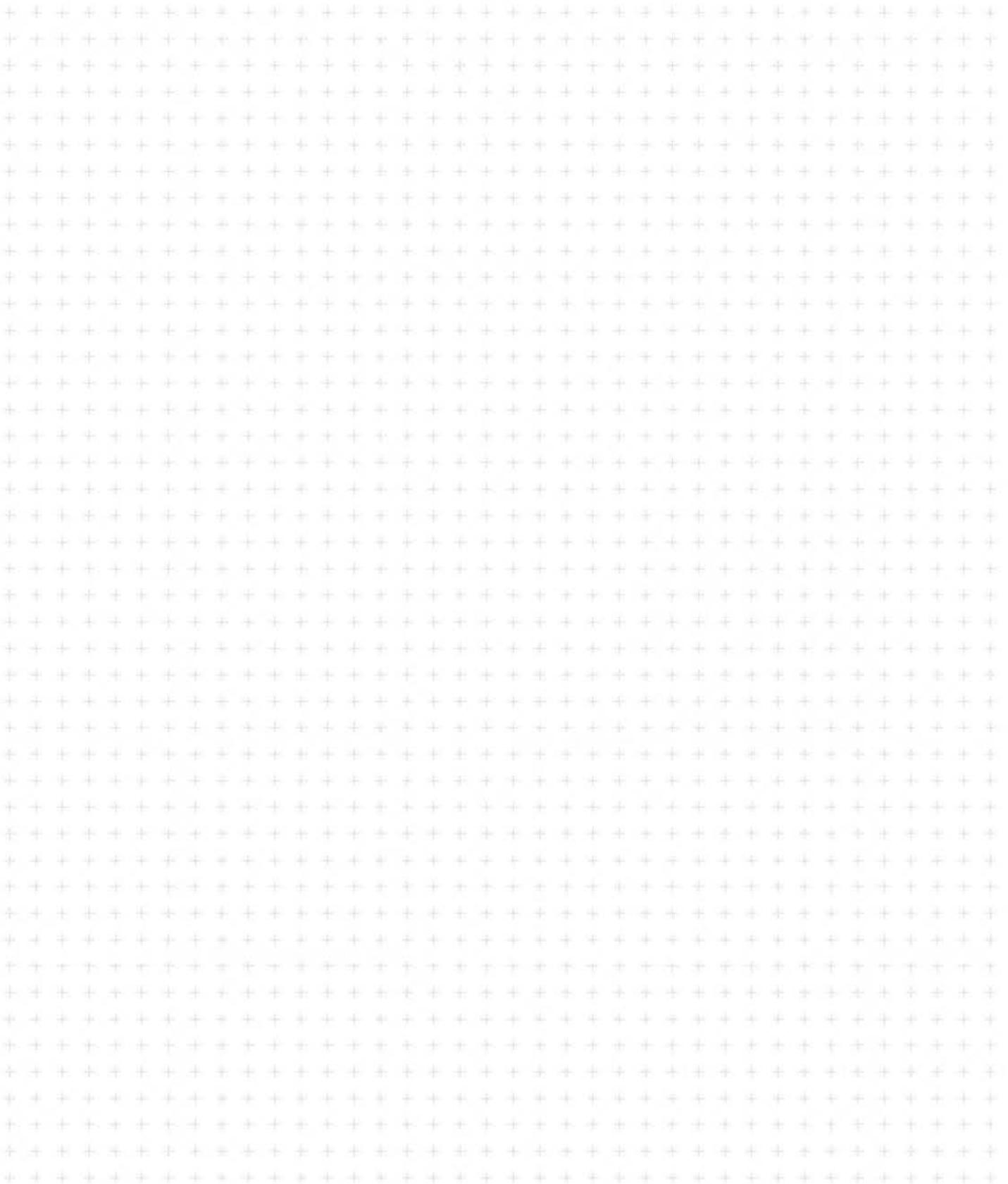
SJTM12FF4FMC5010P

SJTM12FF5FMC5010P

Right Angle Connector (Pin)/T-Connector



Extension Line „T“ to „Right Angle“



SPLITTER BOXES

The splitter boxes link sensors and actuators with M12 connectors. With their robust design, they are ideally suited to industrial applications and are in use in the automotive industry, in automation, in machinery and system construction as well as in robotics.

- // 4-way, 6-way and 8-way splitter boxes
- // Boxes with cable or M23 connector
- // LED display
- // High voltage variants



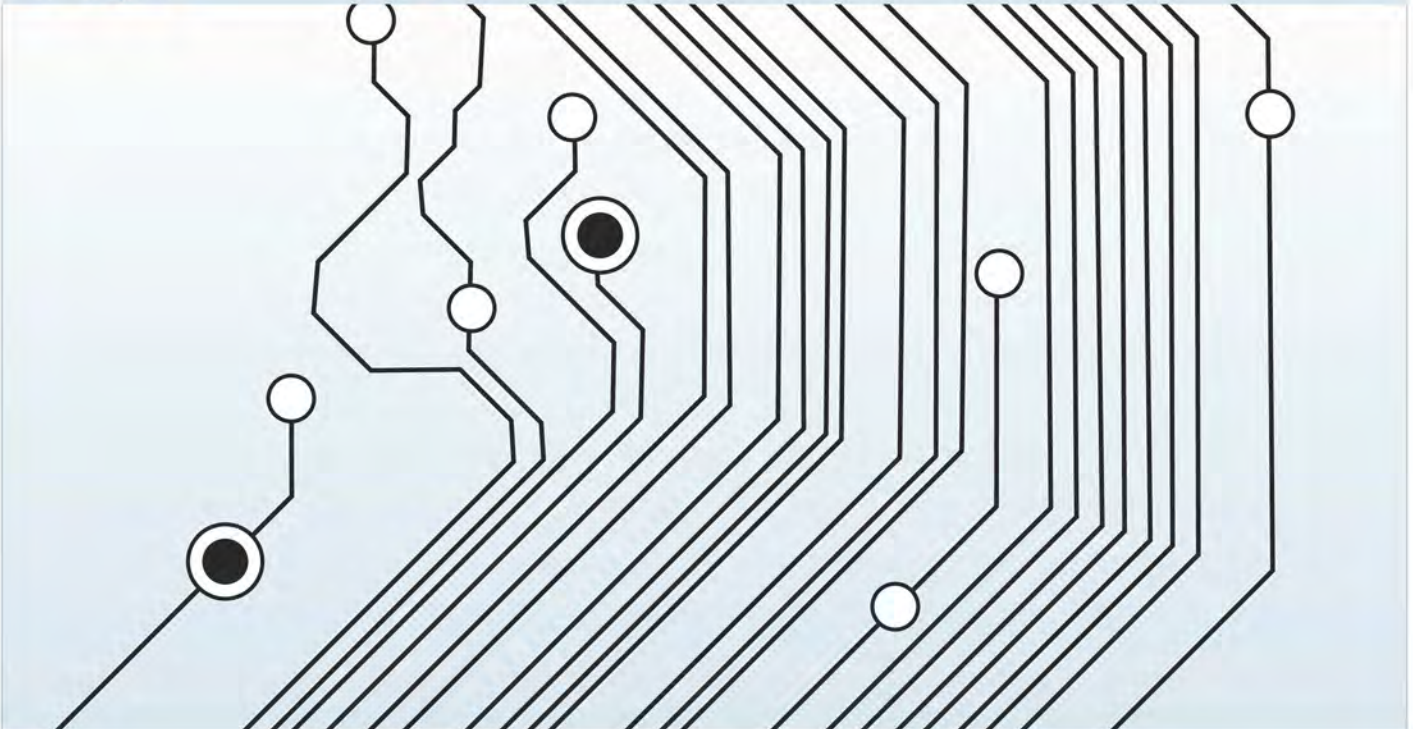
Splitter Boxes

▶ 64



Circuit Diagrams

▶ 70



Mechanical Data

Housing panel connector	Nickel plated brass
Housing	PBT UL94V0 Glass fibre
Insert M 23	PBT UL94V0 Glass fibre
Insert M 12	PBT UL94V0 Glass fibre
Contacts	Brass
Contact surface at point of contact	Nickel and gold plated
Seals / O-Rings	Fluorocarbon
Temperature range	-30 °C – +70 °C
Protection	IP 67
Tightening torque plug	0,5 Nm (M 12 / M 12) 2 Nm (M 23 / M 23)"

Electrical Data

	without LED	with LED
Nominal Voltage [V~]	60	10–30
Current rating [A]	4	4
Power supply [A]	12 max	12 max
Flashover Voltage between adjacent contacts [V~]	1000	1000
Insulation resistance [MΩ]	≥ 10 ⁹	≥ 10 ⁹
Max. contact resistance [MΩ]	≤ 5	≤ 5

M12 Splitter Boxes with Panel Connectors M23



4 Subjects with
M 23
4 + PE



4 Subjects with
M 23
3 + PE



without LED
with LED

SREP4M2319SL
SREP4M2319AL

SREP4M2312SL
SREP4M2312AL

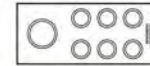
Circuit Diagrams on page 70

Scheme 1

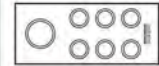
Scheme 2



6 Subjects with
M23
4 + PE



6 Subjects with
M23
3 + PE



without LED
with LED

SREP6M2319SL
SREP6M2319AL

SREP6M2312SL
SREP6M2312AL

Circuit Diagrams on page 71

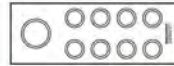
Scheme 3

Scheme 4

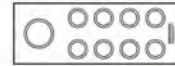
M12 Splitter Boxes with Panel Connectors M23



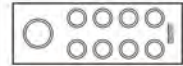
8 Subjects with
M 23
4 + PE



8 Subjects with
M 23 High performance
4 + PE



8 Subjects with
M 23
3 + PE



without LED
with LED

SREP8M2319SL
SREP8M2319AL

SREP8M2319PE

SREP8M2312SL
SREP8M2312AL

Circuit Diagrams on page 72/73

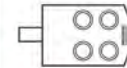
Scheme 5

Scheme 6

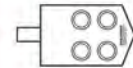
Scheme 7



4 Subjects
with Cable
4 + PE



4 Subjects
with Cable
3 + PE



Cable PVC

5 m	with LED	SREP4C0519ALC	SREP4C0512ALC
	without LED	SREP4C0519SLC	SREP4C0512SLC
10 m	with LED	SREP4C1019ALC	SREP4C1012ALC
	without LED	SREP4C1019SLC	SREP4C1012SLC
15 m	with LED	SREP4C1519ALC	SREP4C1512ALC
	without LED	SREP4C1519SLC	SREP4C1512SLC

Cable PUR

5 m	with LED	SREP4C0519ALP	SREP4C0512ALP
	without LED	SREP4C0519SLP	SREP4C0512SLP
10 m	with LED	SREP4C1019ALP	SREP4C1012ALP
	without LED	SREP4C1019SLP	SREP4C1012SLP
15 m	with LED	SREP4C1519ALP	SREP4C1512ALP
	without LED	SREP4C1519SLP	SREP4C1512SLP

Circuit Diagrams on page 74

Scheme 8

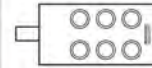
Scheme 9

SPLITTER BOXES

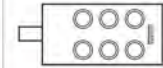
M12 Splitter Boxes with Cable



6 Subjects
with Cable
4 + PE



6 Subjects
with Cable
3 + PE



Cable PVC

5 m	with LED	SREP6C0519ALC	SREP6C0512ALC
	without LED	SREP6C0519SLC	SREP6C0512SLC
10 m	with LED	SREP6C1019ALC	SREP6C1012ALC
	without LED	SREP6C1019SLC	SREP6C1012SLC
15 m	with LED	SREP6C1519ALC	SREP6C1512ALC
	without LED	SREP6C1519SLC	SREP6C1512SLC

Cable PUR

5 m	with LED	SREP6C0519ALP	SREP6C0512ALP
	without LED	SREP6C0519SLP	SREP6C0512SLP
10 m	with LED	SREP6C1019ALP	SREP6C1012ALP
	without LED	SREP6C1019SLP	SREP6C1012SLP
15 m	with LED	SREP6C1519ALP	SREP6C1512ALP
	without LED	SREP6C1519SLP	SREP6C1512SLP

Circuit Diagrams on page 75

Scheme 10

Scheme 11



8 Subjects
with Cable
4 + PE



8 Subjects
with Cable
3 + PE



Cable PVC

5 m	with LED	SREP8C0519ALC	SREP8C0512ALC
	without LED	SREP8C0519SLC	SREP8C0512SLC
10 m	with LED	SREP8C1019ALC	SREP8C1012ALC
	without LED	SREP8C1019SLC	SREP8C1012SLC
15 m	with LED	SREP8C1519ALC	SREP8C1512ALC
	without LED	SREP8C1519SLC	SREP8C1512SLC

Cable PUR

5 m	with LED	SREP8C0519ALP	SREP8C0512ALP
	without LED	SREP8C0519SLP	SREP8C0512SLP
10 m	with LED	SREP8C1019ALP	SREP8C1012ALP
	without LED	SREP8C1019SLP	SREP8C1012SLP
15 m	with LED	SREP8C1519ALP	SREP8C1512ALP
	without LED	SREP8C1519SLP	SREP8C1512SLP

Circuit Diagrams on page 76

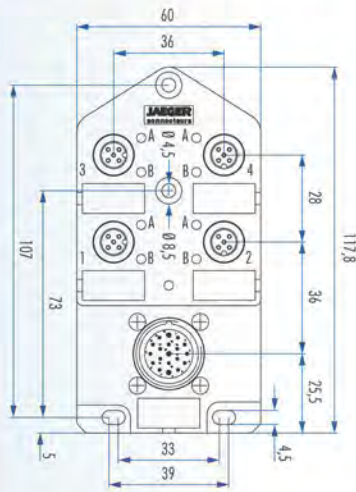
Scheme 12

Scheme 13

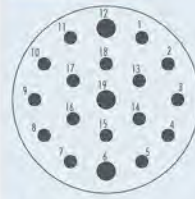
Splitter Boxes M 12 / Circuit Diagrams

4 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts)

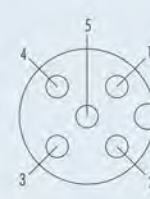
Scheme 1



Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

M 12 Wiring

- 1: 1, 2, 3, 4 (+)
- 2: 1
- 3
- 4

M 23

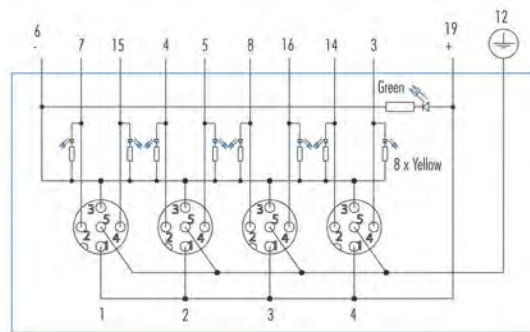
- 19
- 7
- 4
- 8
- 14

M 12 Wiring

- 3: 1, 2, 3, 4 (-)
- 4: 1
- 2
- 3
- 4
- 5: 1, 2, 3, 4 (≡)

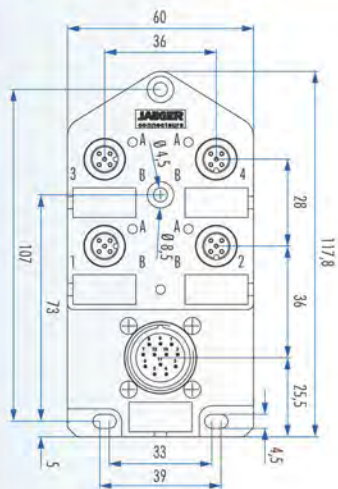
M 23

- 6
- 15
- 5
- 16
- 3
- 12

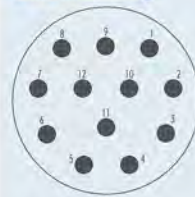


4 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts)

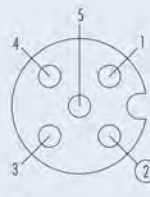
Scheme 2



Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm



not connected

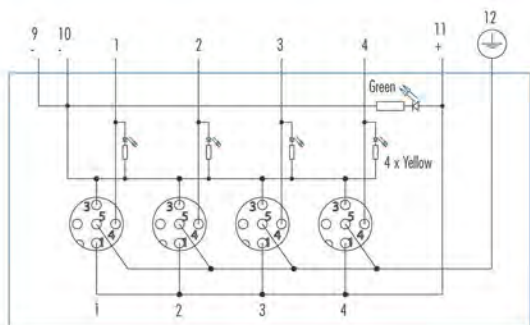
Ø 1 mm

M 12 Wiring

- 1: 1, 2, 3, 4 (+)
- 3: 1, 2, 3, 4 (-)
- 4: 1
- 2
- 3
- 4
- 5: 1, 2, 3, 4 (≡)

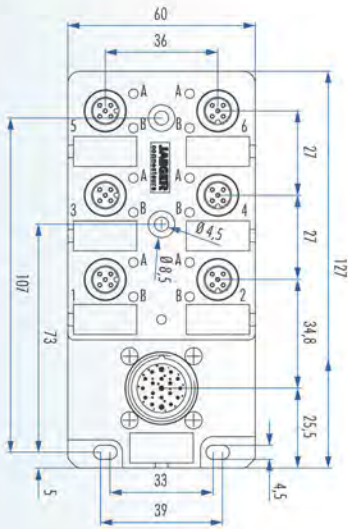
M 23

- 11
- 9/10
- (1)
- (2)
- (3)
- (4)
- 12

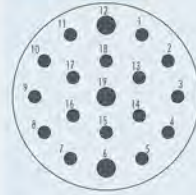


Scheme 3

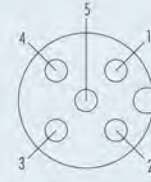
6 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts)



Contact Numbering

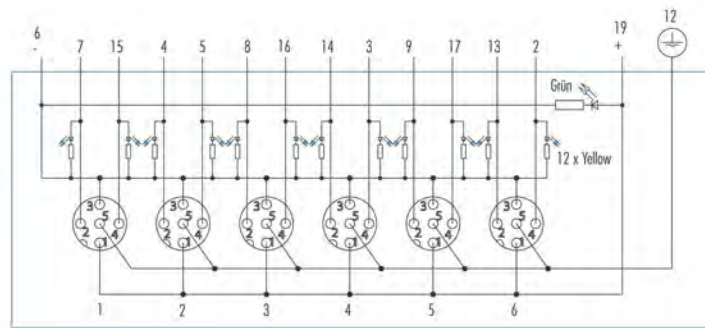


16 x Ø 1 mm
3 x Ø 1,5 mm



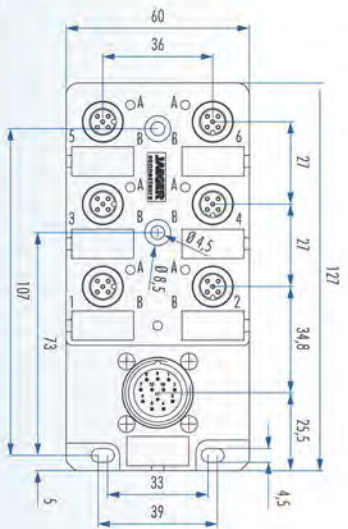
Ø 1 mm

M 12 Wiring	M 23	M 12 Wiring	M 23
1: 1, 2, 3, 4, 5, 6 (+)	19	3: 1, 2, 3, 4, 5, 6 (-)	6
2: 1	7	4: 1	15
2	4	2	5
3	8	3	16
4	14	4	3
5	9	5	17
6	13	6	2
		5: 1, 2, 3, 4, 5, 6 (≡)	12

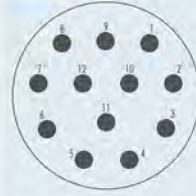


Scheme 4

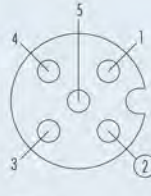
6 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts)



Contact Numbering



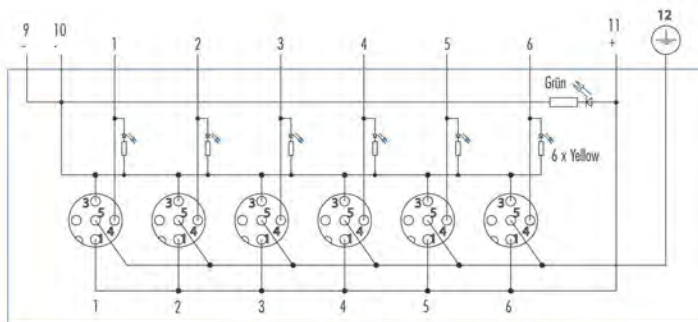
16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

not connected

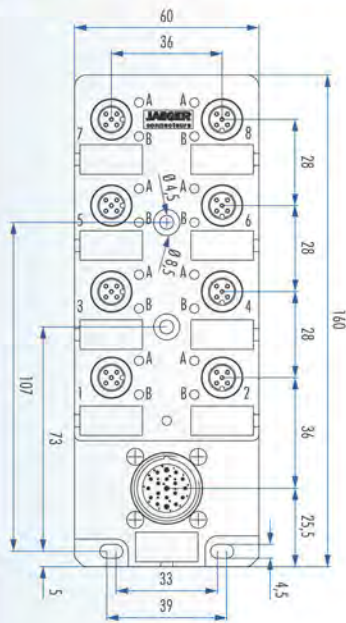
M 12 Wiring	M 23
1: 1, 2, 3, 4, 5, 6 (+)	11
3: 1, 2, 3, 4, 5, 6 (-)	9 / 10
4: 1	1
2	2
3	3
4	4
5	5
6	6
5: 1, 2, 3, 4, 5, 6 (≡)	12



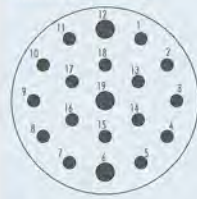
Splitter Boxes M 12 / Circuit Diagrams

8 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts)

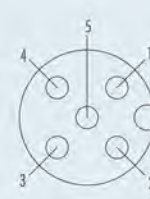
Scheme 5



Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

M 12 Wiring

- 1: 1, 2, 3, 4, 5,
6, 7, 8 (+)
2: 1
3
4
5
6
7
8

M 23

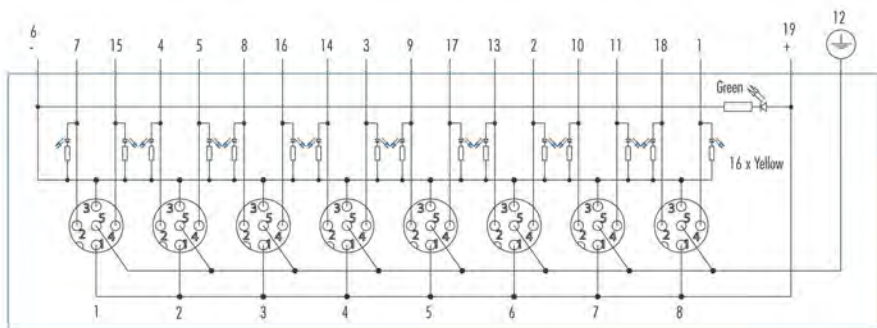
- 19
7
4
8
14
9
13
10
18
5: 1, 2, 3, 4, 5,
6, 7, 8 (—)

M 12 Wiring

- 3: 1, 2, 3, 4, 5,
6, 7, 8 (-)
4: 1
2
3
4
5
6
7
8

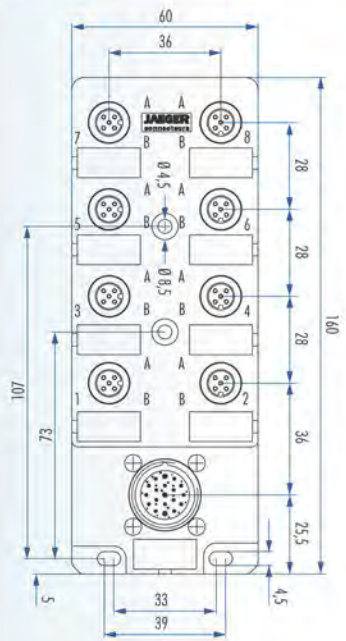
M 23

- 6
15
5
16
+3
17
2
11
1
12

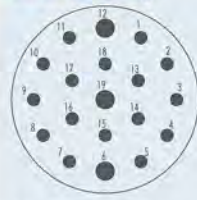


8 Subjects (4 + PE) with Panel Connectors M 23 (High Performance, 19 contacts)

Scheme 6



Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

M 12 Wiring

- 1: 1, 2, 3, 4, 5,
6, 7, 8 (+)
2: 1
3
4
5
6
7
8

M 23

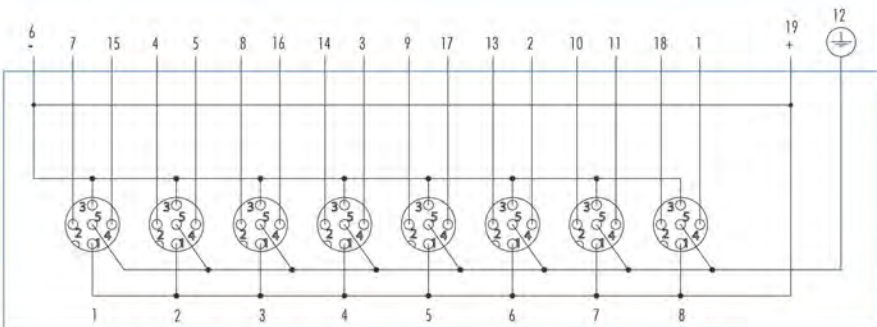
- 19
7
4
8
14
9
13
10
18
5: 1, 2, 3, 4, 5,
6, 7, 8 (—)

M 12 Wiring

- 1: 1, 2, 3, 4, 5,
6, 7, 8 (-)
4: 1
2
3
4
5
6
7
8

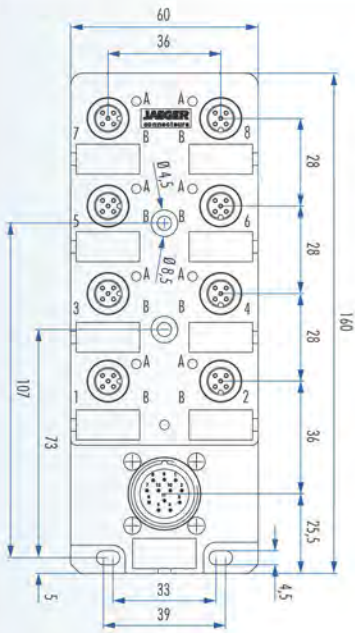
M 23

- 6
15
5
16
3
17
2
11
1
12

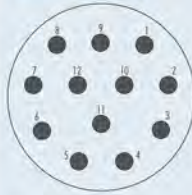


Scheme 7

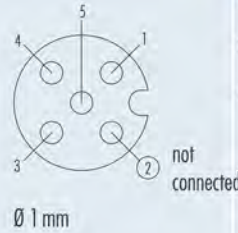
8 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts)



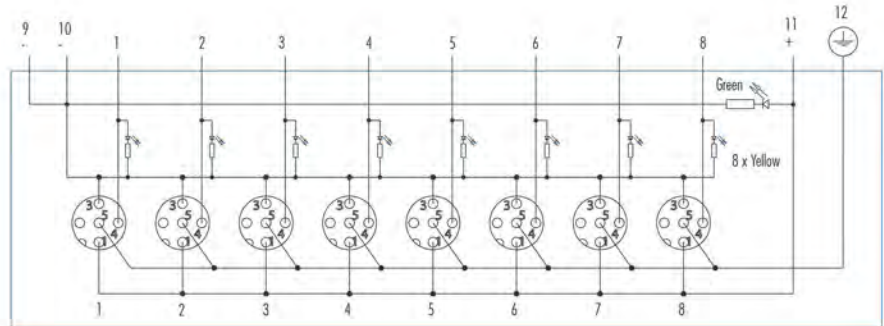
Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm



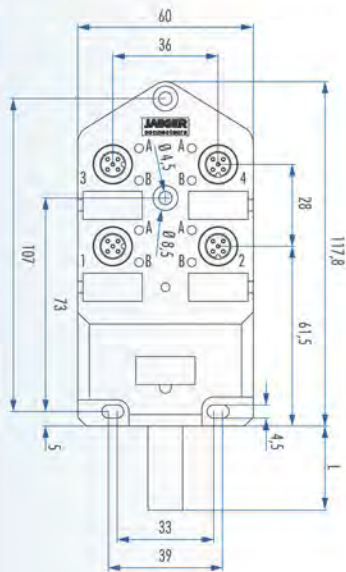
M 12 Wiring	M 23	M 12 Wiring	M 23
1: 1, 2, 3, 4, 5, 6, 7, 8 (+)	11	5: 1, 2, 3, 4, 5, 6, 7, 8 (—)	12
3: 1, 2, 3, 4, 5, 6, 7, 8 (-)	9/10		
4: 1	1		
2	2		
3	3		
4	4		
5	5		
6	6		
7	7		
8	8		



Splitter Boxes M 12 / Circuit Diagrams

4 Subjects with Cable 4 + PE

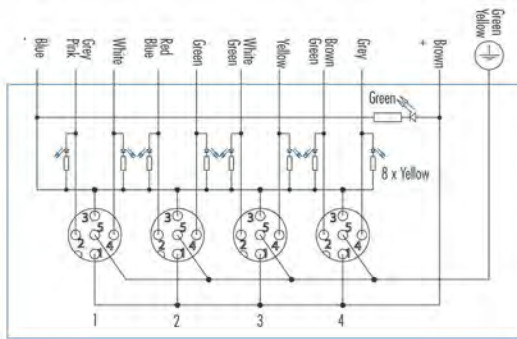
Scheme 8



Ø 1 mm
Ø Cable 10,9 mm

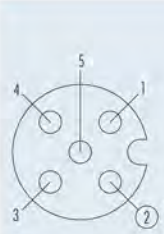
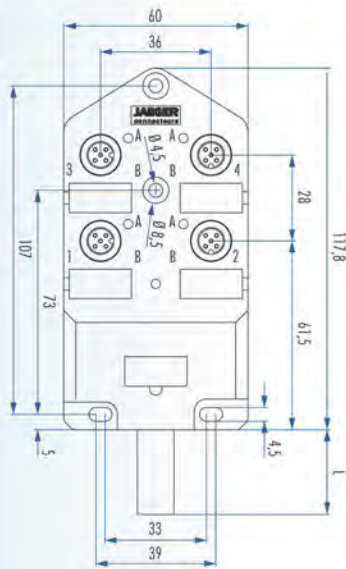
M 12 Colour	Wiring	Ø [mm ²]
1: Brown	1, 2, 3, 4 (+)	1
2: Grey / Rose	1	0,34
Red / Blue	2	0,34
White / Green	3	0,34
Brown / Green	4	0,34
3: Blue	1, 2, 3, 4 (-)	1
4: White	1	0,34
Green	2	0,34
Yellow	3	0,34
Grey	4	0,34

M 12 Colour	Wiring	Ø [mm ²]
5: Green / Yellow	1, 2, 3, 4 (≡)	1



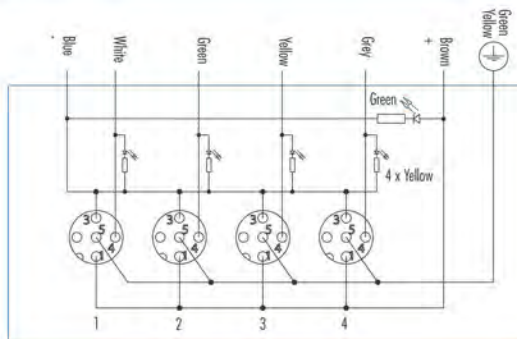
4 Subjects with Cable 3 + PE

Scheme 9



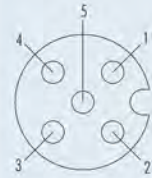
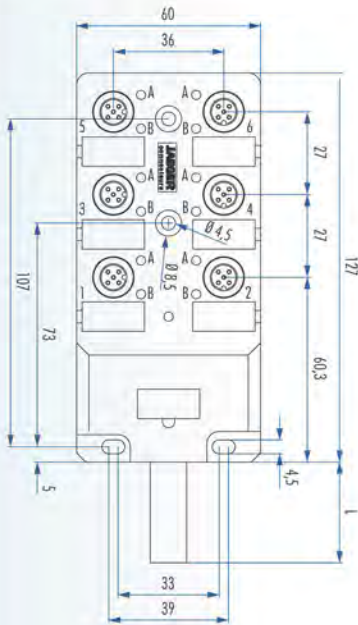
Ø 1 mm
Ø Cable 8,4 mm

M 12 Colour	Wiring	Ø [mm ²]
1: Brown	1, 2, 3, 4 (+)	1
3: Blue	1, 2, 3, 4 (-)	1
4: White	1	0,34
Green	2	0,34
Yellow	3	0,34
Grey	4	0,34
5: Green / Yellow	1, 2, 3, 4 (≡)	1



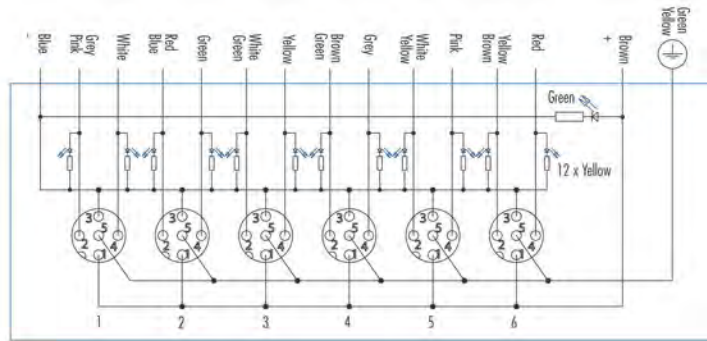
Scheme 10

6 Subjects with Cable 4 + PE



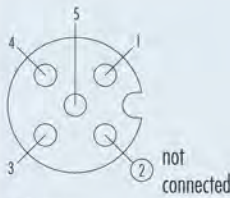
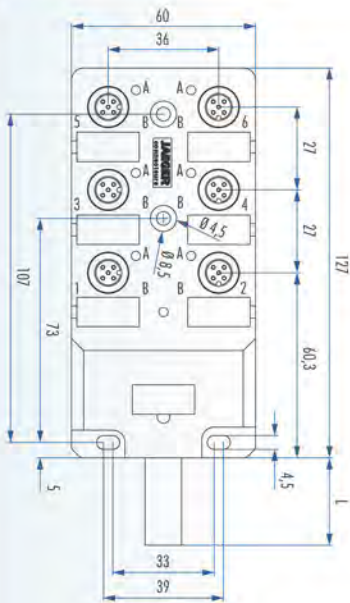
Ø 1 mm
Ø Cable 10,9 mm

M 12 Colour	Wiring	Ø [mm ²]	M 12 Colour	Wiring	Ø [mm ²]
1: Brown	1, 2, 3, 4, 5, 6 (+)	1	4: White	1	0,34
2: Grey/Rose	1	0,34	Green	2	0,34
Red/Blue	2	0,34	Yellow	3	0,34
White/Green	3	0,34	Grey	4	0,34
Brown/Green	4	0,34	Rose	5	0,34
White/Yellow	5	0,34	Red	6	0,34
Yellow/Brown	6	0,34	5: Green/Yellow	1, 2, 3, 4, 5, 6 (≡)	1
3: Blue	1, 2, 3, 4, 5, 6 (-)	1			



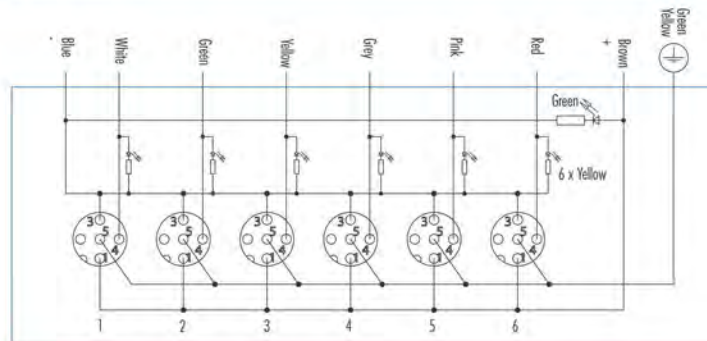
Scheme 11

6 Subjects with Cable 3 + PE



Ø 1 mm
Ø Cable 9,5 mm

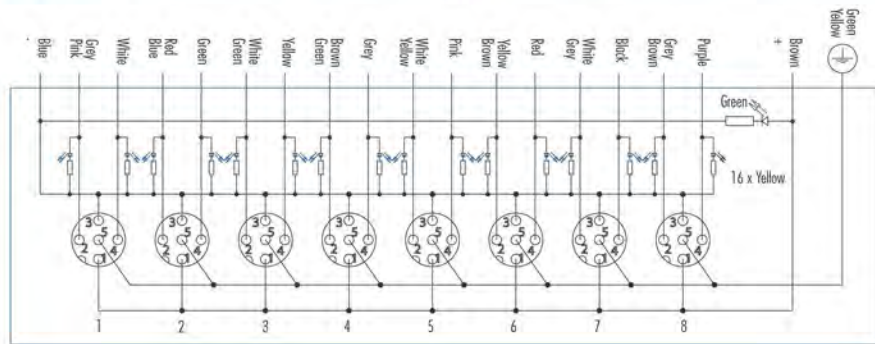
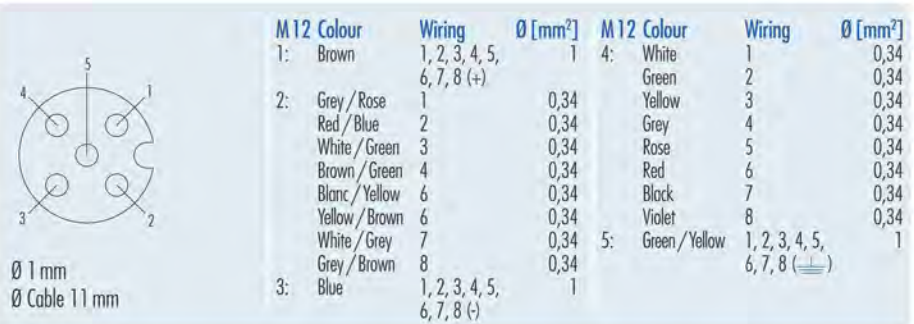
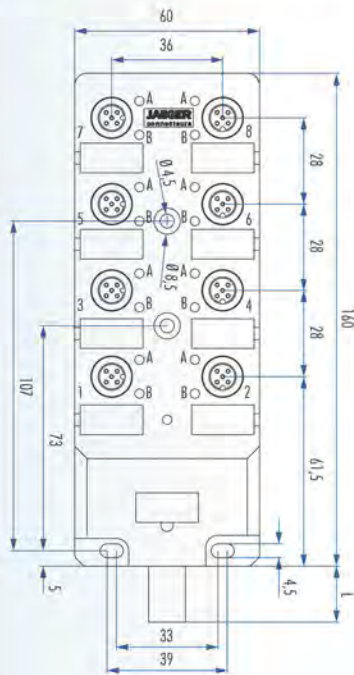
M 12 Colour	Wiring	Ø [mm ²]
1: Brown	1, 2, 3, 4, 5, 6 (+)	1
3: Blue	1, 2, 3, 4, 5, 6 (-)	1
4: White	1	0,34
Green	2	0,34
Yellow	3	0,34
Grey	4	0,34
Rose	5	0,34
Red	6	0,34
5: Green/Yellow	1, 2, 3, 4, 5, 6 (≡)	1



Splitter Boxes M 12 / Circuit Diagrams

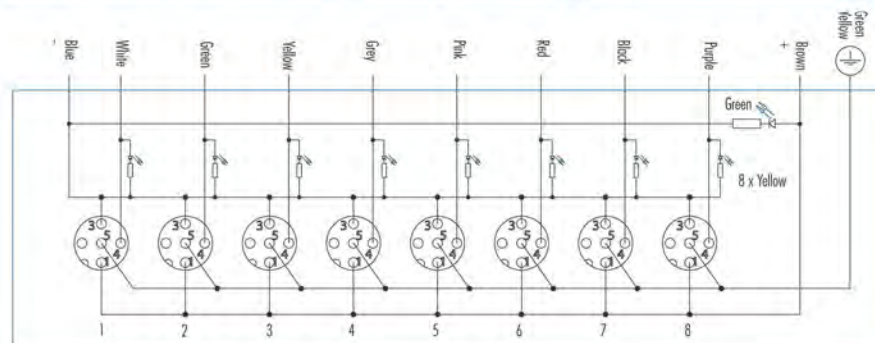
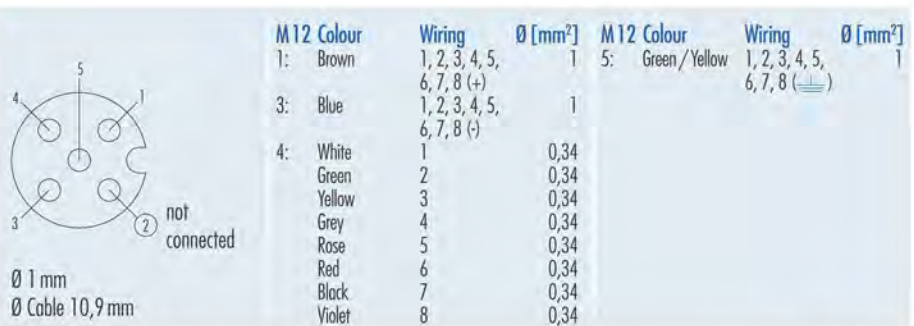
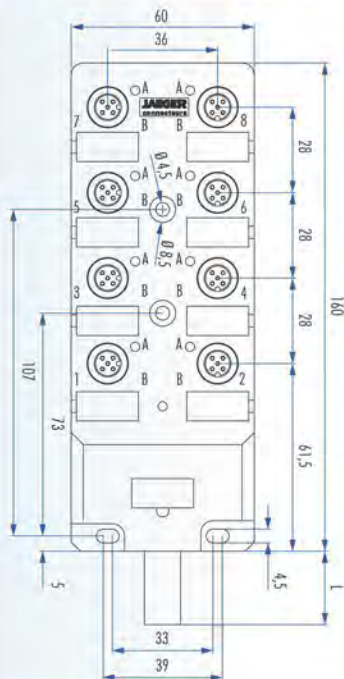
8 Subjects with Cable 4 + PE

Scheme 12



8 Subjects with Cable 3 + PE

Scheme 13

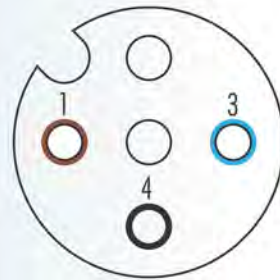
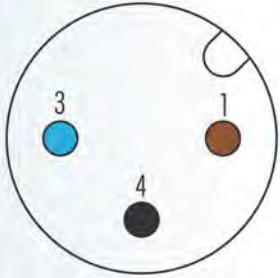


COLOURS OF CONDUCTORS

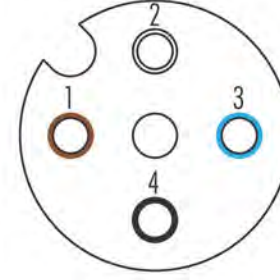
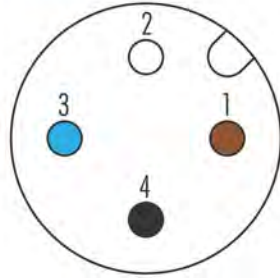


3,4,5 Contacts, Coding A – PVC, PUR

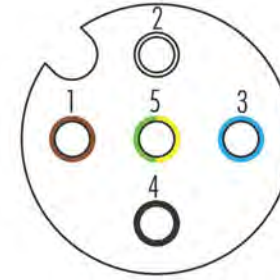
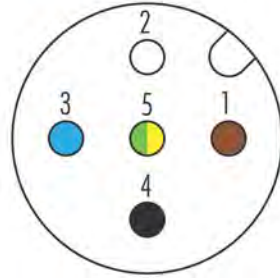
3 Contacts



4 Contacts



5 Contacts

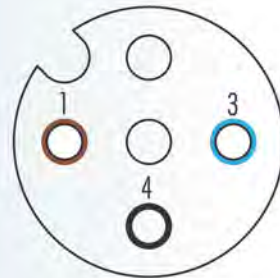
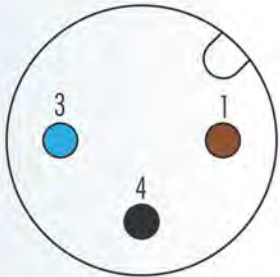


Contacts

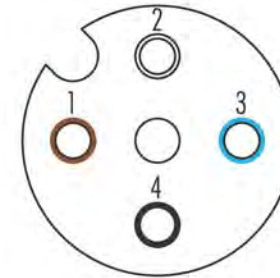
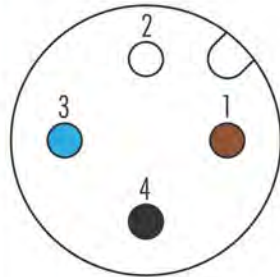
Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Green / Yellow

3,4,5 Contacts, Coding A – shielded

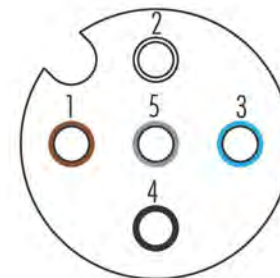
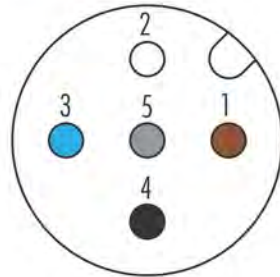
3 Contacts



4 Contacts



5 Contacts

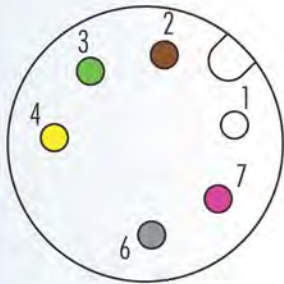


Contacts

Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Gray

6 Contacts, Coding A – PVC, PUR, PVC shielded

6 Contacts



Contacts	Colour
1:	White
2:	Brown
3:	Green
4:	Yellow
6:	Gray
7:	Rose

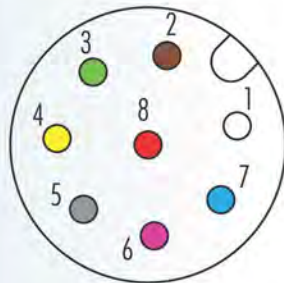
M12

M8

Customized Solutions

8 Contacts, Coding A – PVC, PUR, PVC shielded

8 Contacts



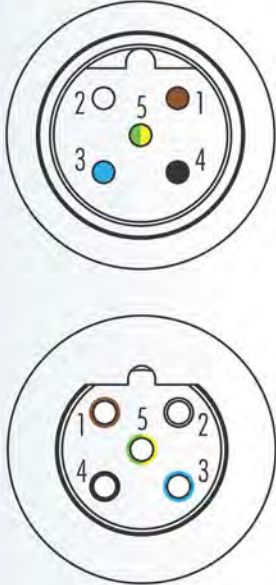
Contacts	Colour
1:	White
2:	Brown
3:	Green
4:	Yellow
5:	Gray
6:	Rose
7:	Blue
8:	Red

Yellow Code

Colours of Conductors

5 Contacts, Coding B – PVC, PUR, PVC shielded

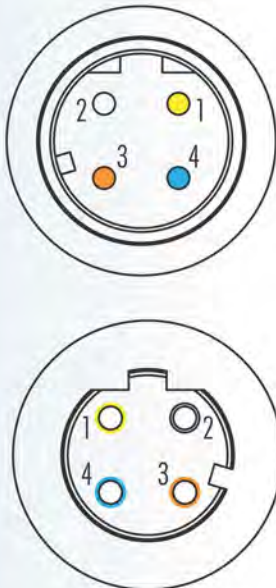
5 Contacts



Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Green / Yellow

4 Contacts, Coding D – PVC, PUR, PVC shielded

4 Contacts



Contacts	Colour
1:	Yellow
2:	White
3:	Orange
4:	Blue

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