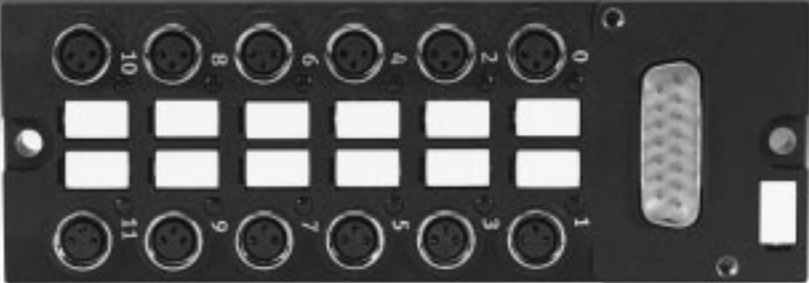


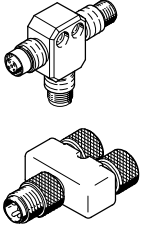
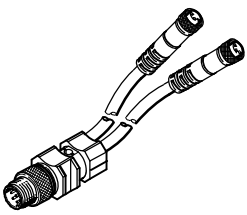
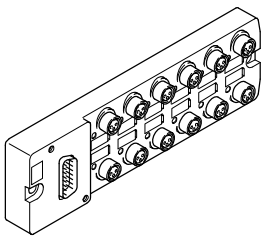
Distributor, universal



# Distributor, universal

Product range overview

FESTO

Function	Version	Version	Type	Connection technology	Protection class	→ Page/ Internet
<b>T-distributor</b> 	<b>Round plug M8</b>					
	4-pin		NEDU-M8D3-M8T4	2x socket M8, 3-pin	IP65, IP67	3
	<b>Round plug M12</b>					
	3-pin		NEDU-L2R1-V8-M12G5-M12G5	1x socket M12, 5-pin 1x plug M12, 2-pin	IP65, IP67	5
	4-pin		NEDU-M8D3-M12T4	2x socket M8, 3-pin	IP65, IP67	7
			NEDU-M12D5-M12T4	2x socket M12, 4-pin	IP65, IP67	7
			NEDU-M12D4-M12T4-IS	2x socket M12, 4-pin	IP65, IP67	7
5-pin		FB-TA-M12	2x socket M12, 5-pin	IP67	10	
5-pin		NEDU-L2R1-V10-M12G5-M12G5	2x socket M12, 5-pin	IP65, IP67	10	
<b>Y-connecting cable</b> 	<b>Open cable end</b>					
	2-wire		FB-TA-1	Socket M12, 3-pin Plug M12, 3 pin	IP67	12
	<b>Round plug M8</b>					
	4-pin		NEDU-L2R1-M8G3-K-1L1-1L2-M8G4	2x socket M8, 3-pin	IP67	14
	<b>Round plug M12</b>					
	4-pin		KM12-DUO-M8	2x socket M8, 3-pin	IP67	16
	5-pin		FB-TA	2x socket M12, 5-pin	IP67	12
	<b>Socket M12</b>					
	5-pin		FB-TA	1x plug M12, 5-pin 1x socket M12, 5-pin	IP67	12
			FB-TA-1	1x plug M12, 5-pin 1x open cable end	IP67	12
8-pin		NEBV-M12G8-KD-3-M12G4	2x plug M12, 4-pin	IP67	18	
8-pin		NEDU-L1R2-V9-M12G8-...	2x open cable end	IP65, IP67	18	
<b>Multiple distributor/ multi-pin plug distributor</b> 	<b>Open cable end</b>					
	11-wire		MPV-E/A08-M12	8x socket M12, 5-pin	IP67	21
	<b>Round plug M12</b>					
	8-pin		NEDU-L4R1-M8G3L-M12G8	4x socket M8, 3-pin	IP68	24
			NEDU-L6R1-M8G3L-M12G8	6x socket M8, 3-pin	IP68	24
	<b>Plug Sub-D</b>					
15-pin		MPV-E/A08-M8	8x socket M8, 3-pin	IP65	27	
		MPV-E/A12-M8	12x socket M8, 3-pin	IP65	27	

# T-distributor, plug M8, 4-pin

Technical data

FESTO

Push-in T-connector NEDU-M8

• T-adapter



General technical data		
Type of mounting		Screw-in
Mounting position		Any
Connection frequency		100
Nominal operating voltage	[V AC]	32
	[V DC]	32
Operating voltage range	[V AC]	32
	[V DC]	32
Acceptable current load	[A]	2
Protection class to EN 60529		IP65, IP67
Electrical connection		To EN 60947-5-2
Max. tightening torque	[Nm]	0.3
Product weight	[g]	9.5

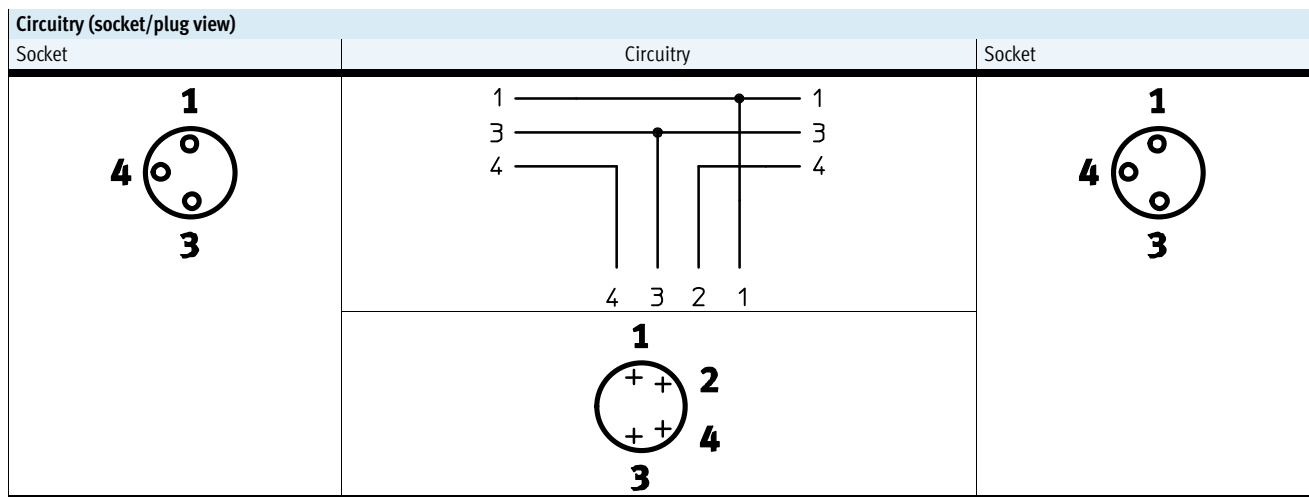
Materials	
Housing	PA
Housing colour	Black
Pin contacts	Gold-plated brass
Union nut	Chrome-plated and nickel-plated brass
Note on materials	Free of copper and PTFE

Operating and environmental conditions		
Ambient temperature	[°C]	-25 ... +85
Storage temperature	[°C]	-25 ... +85
Corrosion resistance class CRC <sup>1)</sup>		2

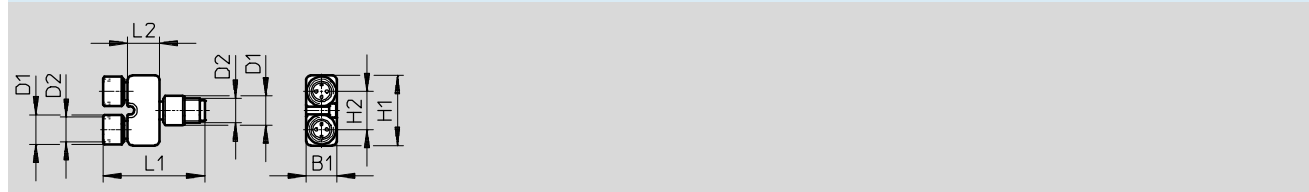
1) Corrosion resistance class 2 according to Festo standard 940 070  
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

# T-distributor, plug M8, 4-pin

Technical data



**Dimensions** Download CAD data → [www.festo.com](http://www.festo.com)



Type	B1	D1 ∅	D2	H1	H2	L1	L2
NEDU-M8D3-M8T4	10	9.7	M8	23	12.5	33.6	10.4

Ordering data			
Electrical connection		Part No.	Type
Plug M8, 4-pin	2x socket M8, 3-pin	544391	NEDU-M8D3-M8T4

## T-distributor, plug M12, 4-pin

Technical data

Push-in T-connector NEDU-L2R1-V8

- T-adapter
- For IO-Link



General technical data	
Electrical connection 3	Straight plug, M12, 3-pin, A-coded
Electrical connection 1	Straight socket, M12, 5-pin, A-coded
Electrical connection 2	Straight plug, M12, 2-pin, A-coded
Type of mounting	Screw-in
Max. tightening torque [Nm]	0.6
Operating voltage range [V DC]	0 ... 30
Surge strength [kV]	1.5
Acceptable current load [A]	4
Protection class to EN 60529	IP65, IP67, in assembled state
Product weight [g]	28

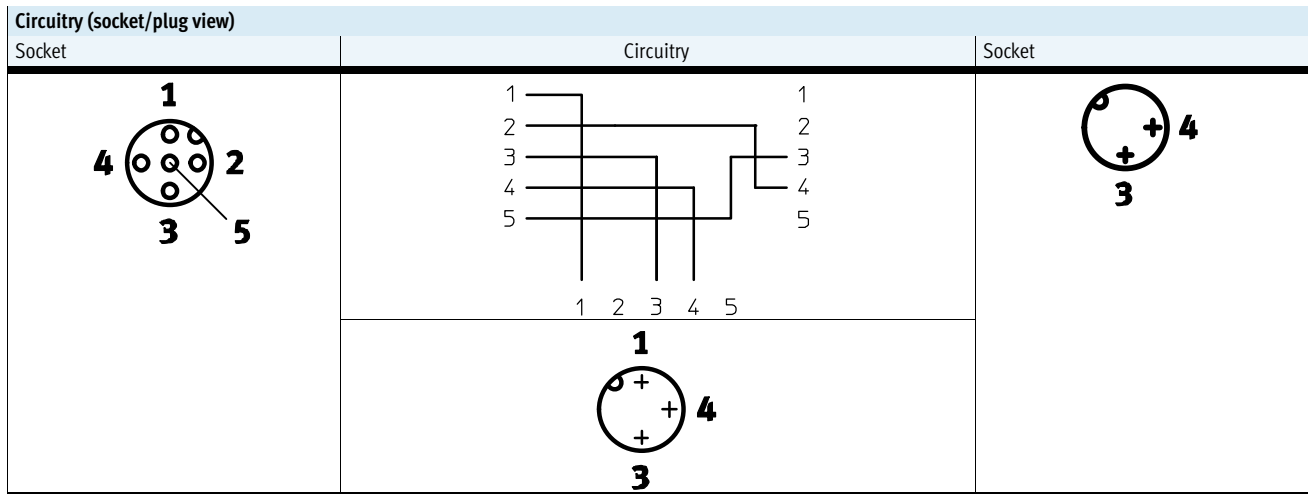
Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Union nut	Die-cast zinc, nickel plated
Seals	FPM
Pin contacts	Gold-plated copper alloy
Note on materials	RoHS-compliant

Operating and environmental conditions	
Ambient temperature [°C]	-25 ... +85
Corrosion resistance class CRC <sup>1)</sup>	2
Degree of contamination	3

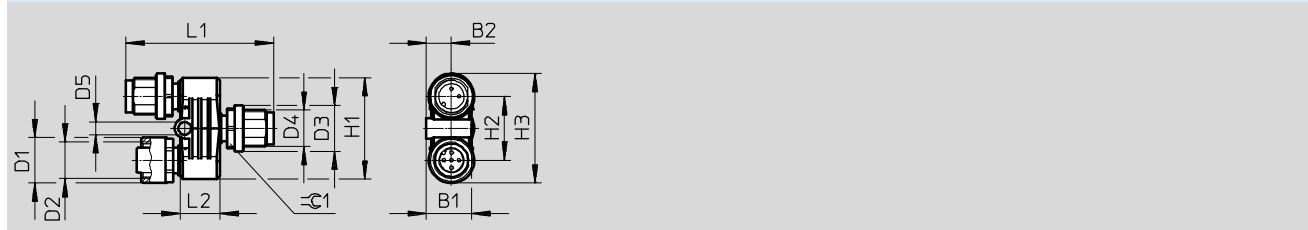
1) Corrosion resistance class 2 according to Festo standard 940 070  
 Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

# T-distributor, plug M12, 4-pin

Technical data



**Dimensions** Download CAD data → [www.festo.com](http://www.festo.com)



Type	B1	B2	D1	D2	D3	D4	D5	H1	H2	H3	L1	L2	⌀ 1
NEDU-L2R1-V8	15	8.3	15	M12	15	M12	4.2	33.3	21	36	48.5	13.2	13

**Ordering data**

Electrical connection	Product weight [g]	Part No.	Type
Plug M12 A-coded, 3-pin	28	<b>2839846</b>	<b>NEDU-L2R1-V8-M12G5-M12G5</b>
1x socket M12 A-coded, 5-pin 1x plug M12 A-coded, 2-pin			

# T-distributor, plug M12, 4-pin

Technical data

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Push-in T-connector NEDU-M

• T-adapter



General technical data			
Type	NEDU-M8D3-M12T4	NEDU-M12D4-M12T4-IS	NEDU-M12D5-M12T4
Type of mounting	Screw-in	Screw-in	Screw-in
Mounting position	Any	–	Any
Connection frequency	500	100	500
Nominal operating voltage	[V AC]	60	–
	[V DC]	60	–
Operating voltage range	[V AC]	60	–
	[V DC]	60	0 ... 30
Acceptable current load	[A]	4	–
Protection class to EN 60529	IP65, IP67	IP65, IP67	IP65, IP67
Based on standard	EN 60947-5-2	EN 61076-2-101	EN 60947-5-2
Max. tightening torque	[Nm]	0.3 with M8	0.5
	[Nm]	0.5 with M12	
Product weight	[g]	16.9	25.5

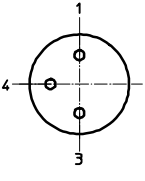
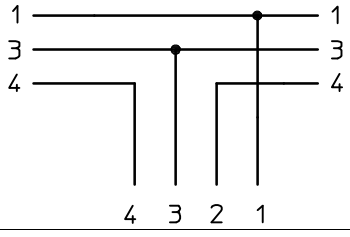
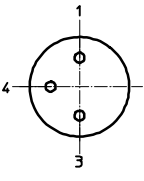
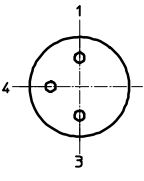
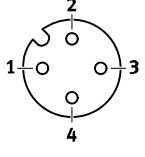
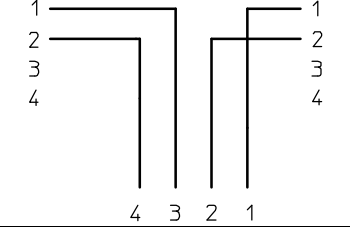
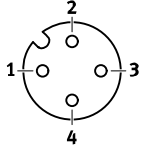
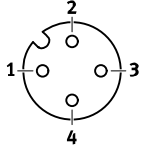
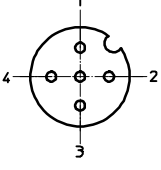
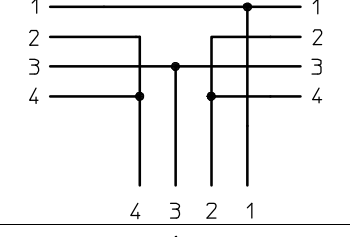
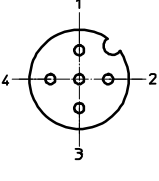
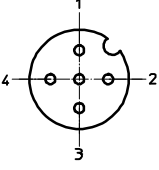
Materials			
Type	NEDU-M8D3-M12T4	NEDU-M12D4-M12T4-IS	NEDU-M12D5-M12T4
Housing	Reinforced TPE-U(PU)	Reinforced TPE-U(PU) Die-cast zinc	Reinforced TPE-U(PU)
Housing colour	Black	–	Black
Pin contacts	Gold-plated brass	Gold-plated copper alloy	Gold-plated brass
Union nut	Chrome-plated and nickel-plated brass	PA reinforced	Chrome-plated and nickel-plated brass
Seals	–	FPM	–
Note on materials	Free of copper and PTFE	RoHS-compliant	Free of copper and PTFE

Operating and environmental conditions			
Type	NEDU-M8D3-M12T4	NEDU-M12D4-M12T4-IS	NEDU-M12D5-M12T4
Ambient temperature	[°C]	–25 ... +85	–25 ... +85
Storage temperature	[°C]	–25 ... +85	–25 ... +85
Corrosion resistance class CRC	2 <sup>1)</sup>	3 <sup>2)</sup>	2 <sup>1)</sup>

- 1) Corrosion resistance class 2 according to Festo standard 940 070  
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.
- 2) Corrosion resistance class 3 according to Festo standard 940 070  
Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.

# T-distributor, plug M12, 4-pin

Technical data

Circuitry (socket/plug view)		
NEDU-M8D3-M12T4		
Socket	Circuitry	Socket
		
		
NEDU-M12D4-M12T4-IS		
Socket	Circuitry	Socket
		
		
NEDU-M12D5-M12T4		
Socket	Circuitry	Socket
		
		



# T-distributor, plug M12, 4-pin

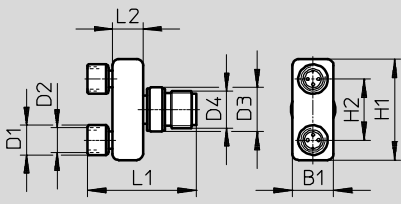
Technical data

FESTO

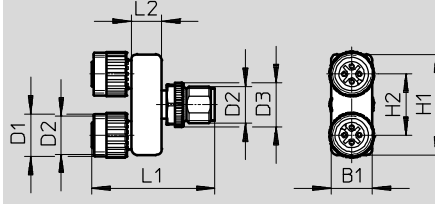
## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

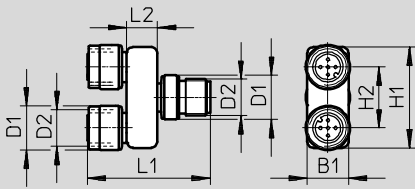
NEDU-M8D3-M12T4



NEDU-M12D4-M12T4-IS



NEDU-M12D5-M12T4



Type	B1	D1 Ø	D2	D3 Ø	D4	H1	H2	L1	L2
NEDU-M8D3-M12T4	13.5	9.7	M8	14.5	M12	33	20	35.6	10
NEDU-M12D4-M12T4-IS	13.5	14	M12	14.4	-	33	20	40.3	10
NEDU-M12D5-M12T4	13.5	14.5	M12	-	-	33	20	40.3	10

## Ordering data

Electrical connection	Part No.	Type
Plug M12, A-coded, 4-pin	541597	NEDU-M8D3-M12T4
	562248	NEDU-M12D4-M12T4-IS
	541596	NEDU-M12D5-M12T4

**New**  
**NEDU-L2R1-V10**

**FESTO**

**T-distributor, plug M12, 5-pin**

Technical data

**T-adapter**  
**FB-TA**  
**NEDU-L2R1-V10**

- T-adapter
- Branch line for connecting and disconnecting fieldbus components
- Connected fieldbus components can be disconnected without interrupting signal transmission (to other components)



General technical data		
Type	FB-TA	NEDU-L2R1-V10
Electrical connection 3	Plug, M12, 5-pin	Straight plug, M12, 5-pin, A-coded
Electrical connection 1	Socket, M8, 5-pin	Straight socket, M12, 5-pin, A-coded
Electrical connection 2	Socket, M8, 5-pin	Straight socket, M12, 5-pin, A-coded
Type of mounting	Via through-hole	Screw-in
Max. tightening torque [Nm]	–	0.6
Operating voltage range [V DC]	10 ... 30	0 ... 30
Surge strength [kV]	–	1.5
Acceptable current load [A]	4	4
Protection class to EN 60529	IP67, in assembled state	IP65, IP67, in assembled state

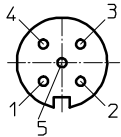
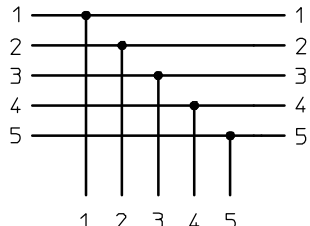
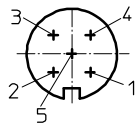
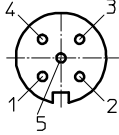
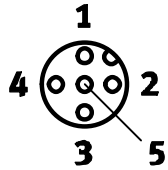
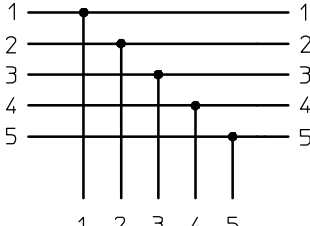
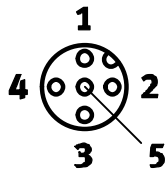
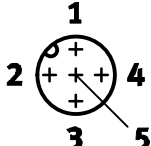
Materials		
Type	FB-TA	NEDU-L2R1-V10
Housing	–	TPE-U(PUR)
Housing colour	–	Black
Union nut	–	Die-cast zinc, nickel plated
Seals	–	FPM
Pin contacts	–	Gold-plated copper alloy
Note on materials	–	RoHS-compliant

Operating and environmental conditions		
Type	FB-TA	NEDU-L2R1-V10
Ambient temperature [°C]	–25 ... +90	–25 ... +85
Corrosion resistance class CRC <sup>1)</sup>	–	2
Degree of contamination	–	3

1) Corrosion resistance class 2 according to Festo standard 940 070  
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

# T-distributor, plug M12, 5-pin

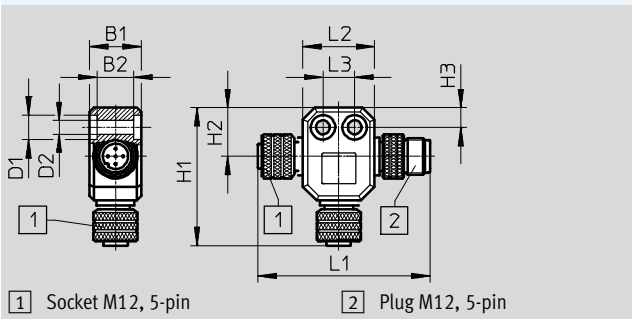
Technical data

Circuitry (socket/plug view)		
Socket	Circuitry	Plug
FB-TA		
		
		
NEDU-L2R1-V10		
		
		

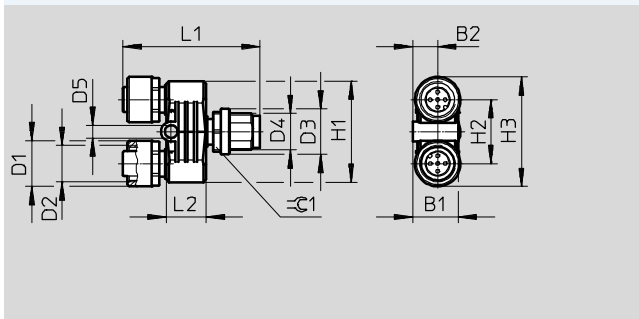
## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

FB-TA



NEDU-L2R1-V10



Type	B1	B2	D1	D2	D3	D4	D5	H1	H2	H3	L1	L2	L3	≈C 1
FB-TA	17	12	8	4.5	-	-	-	45.2	16	6.5	57	23.5	10.4	-
NEDU-L2R1-V10	15	8.3	15	M12	15	M12	4.2	33.3	21	36	45	13.2	-	13

## Ordering data

Electrical connection	Product weight [g]	Part No.	Type
Plug M12, 5 pin	-	171175	FB-TA-M12-5POL
2x socket, M8, 5-pin	25	2839867	NEDU-L2R1-V10-M12G5-M12G5
2x socket, M12, 5-pin	-		

# Y-connecting cable, socket M12, 5-pin

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Technical data

## T-adapter FB-TA

- Branch line for connecting and disconnecting fieldbus components
- Connected fieldbus components can be disconnected without interrupting signal transmission (to other components)



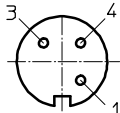
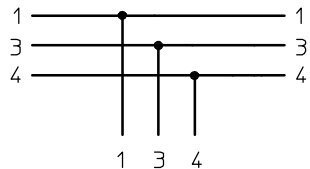
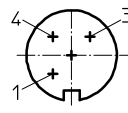
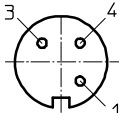
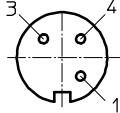
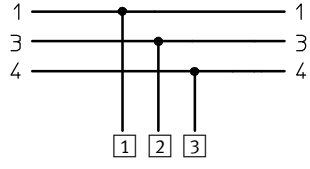
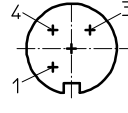
General technical data		
Type of mounting		Via union nut
Mounting position		Any
Operating voltage range	[V AC]	Max. 10
	[V DC]	Max. 30
Acceptable current load	[A]	4
Cable composition	[mm <sup>2</sup> ]	2x 0.25
Cable diameter	[mm]	5
Protection class to EN 60529		IP67

Materials	
Housing	PA
Cable sheath	PVC
Pin contacts	Nickel-plated/tin-plated brass

Operating and environmental conditions		
Ambient temperature	[°C]	-25 ... +90

# Y-connecting cable, socket M12, 5-pin

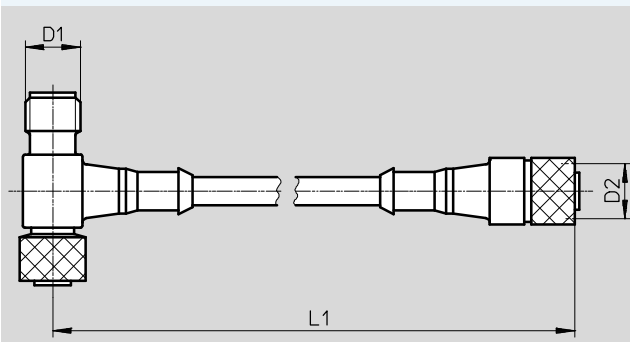
Technical data

Circuitry (socket/plug view)		
FB-TA		
Socket	Circuitry	Plug
		
		
FB-TA-1		
Socket	Circuitry	Plug
		
	<ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 0 2px;">1</span> White</li> <li><span style="border: 1px solid black; padding: 0 2px;">2</span> Black</li> <li><span style="border: 1px solid black; padding: 0 2px;">3</span> Screening</li> </ul>	

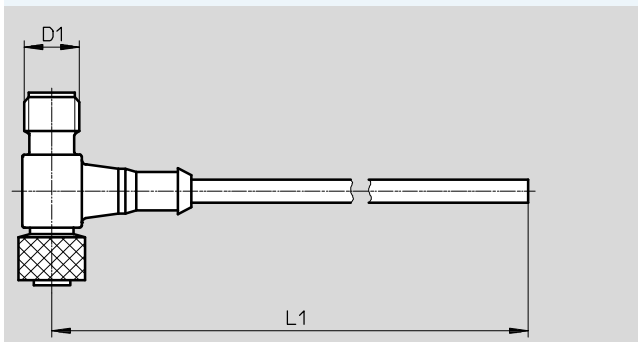
## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

FB-TA



FB-TA-1



Type	D1	D2	L1
FB-TA	M12	M12	150
FB-TA-1	M12	-	140

## Ordering data

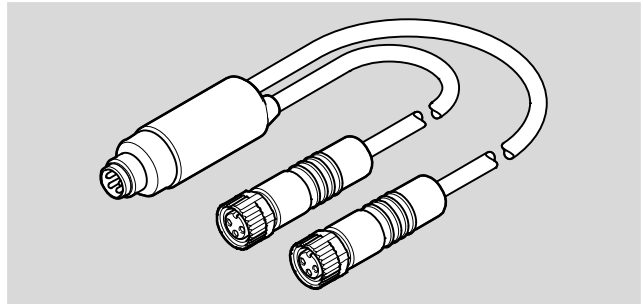
Electrical connection	Weight [g]	Part No.	Type
Plug M12, 5 pin	37	18498	FB-TA
Open cable end, 2-wire	23	18499	FB-TA-1

# Y-connecting cable, plug M8, 4-pin

Technical data

**DUO cable NEDU-L2**

- Y-connecting cable
- For connecting 2 sensors to an input socket with double allocation



**General technical data**

Operating voltage range	[V AC]	0 ... 60
Acceptable current load	[A]	2
Surge resistance	[kV]	1.5
Cable diameter	[mm]	3.1
Cable length	[m]	1
Protection class to EN 60529		IP67

**Materials**

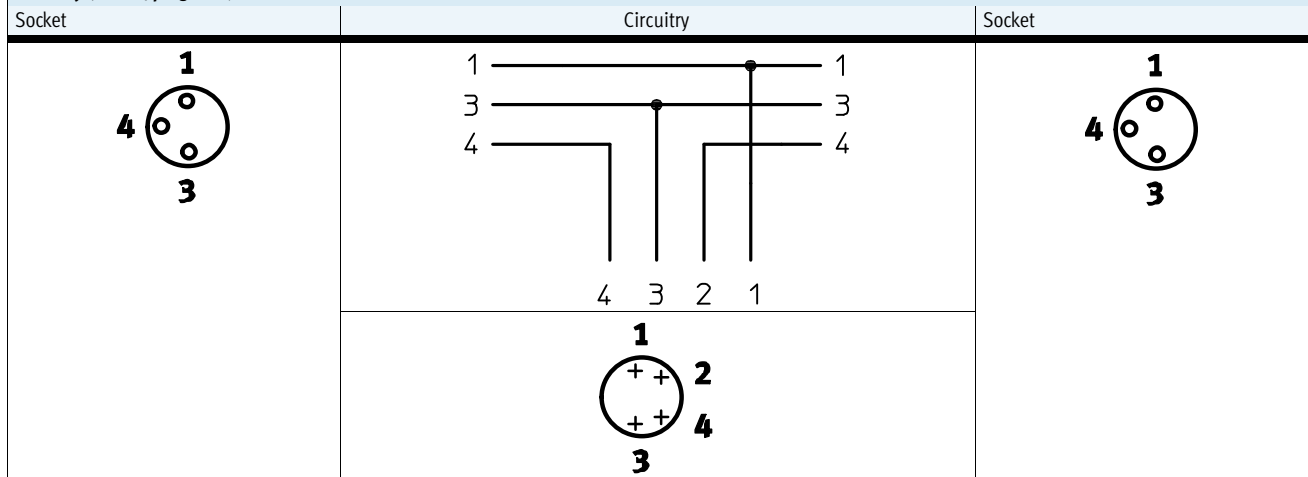
Housing	PUR
Socket	PUR
Pin contacts	Gold-plated brass
Note on materials	RoHS-compliant
Corrosion resistance class CRC <sup>1)</sup>	1

1) Corrosion resistance class 1 according to Festo standard 940 070  
 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

**Operating and environmental conditions**

Ambient temperature	[°C]	-25 ... +85
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**Circuitry (socket/plug view)**

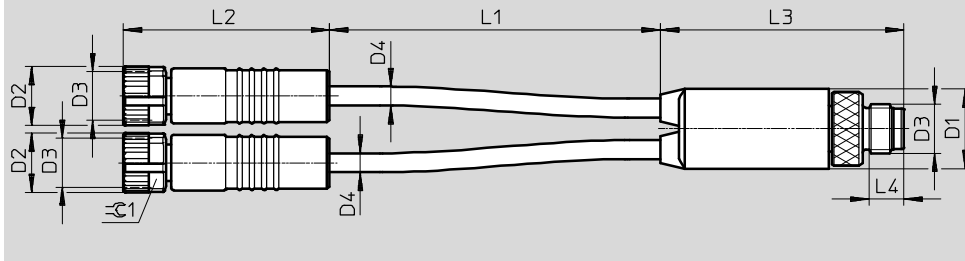


# Y-connecting cable, plug M8, 4-pin

Technical data

**Dimensions**

Download CAD data → [www.festo.com](http://www.festo.com)



Type	D1	D2	D3	D4	L1	L2	L3	L4	∠C1
NEDU-L2R1-M8G3-K-1L1-1L2-M8G4	∅ 13	∅ 9.7	∅ M8	∅ 3.1	1000	33.8	39.9	4.7	9

**Ordering data**

Electrical connection		Part No.	Type
Plug M8, 4 pin	2x socket M8, 3-pin	574591	NEDU-L2R1-M8G3-K-1L1-1L2-M8G4

# Y-connecting cable, plug M12, 4-pin

Technical data

**DUO cable KM12-DUO**

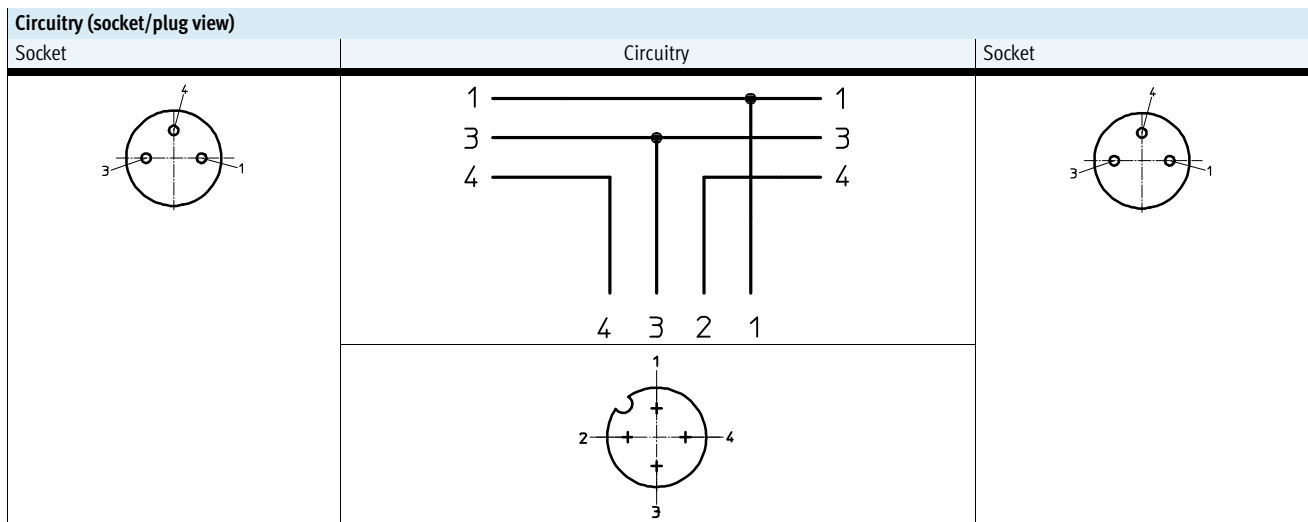
- Y-connecting cable
- For connecting 2 sensors to an input socket with double allocation



General technical data		
Type of mounting	Via through-hole, via threaded connector, via union nut	
Mounting position	Any	
Operating voltage range	[V AC]	Max. 60
	[V DC]	Max. 75
Acceptable current load	[A]	2.8
Cable composition	[mm <sup>2</sup> ]	2x 3x 0.25
Cable diameter	[mm]	4.5
Cable length	[m]	0.6
Protection class to EN 60529	IP67	

Materials	
Housing	PUR
Cable sheath	PUR
Cable sheath colour	Grey
Pin contacts	Gold-plated brass
Union nut	Nickel-plated brass

Operating and environmental conditions		
Ambient temperature	[°C]	-30 ... +70
Ambient temperature with flexible cable installation	[°C]	-5 ... +70



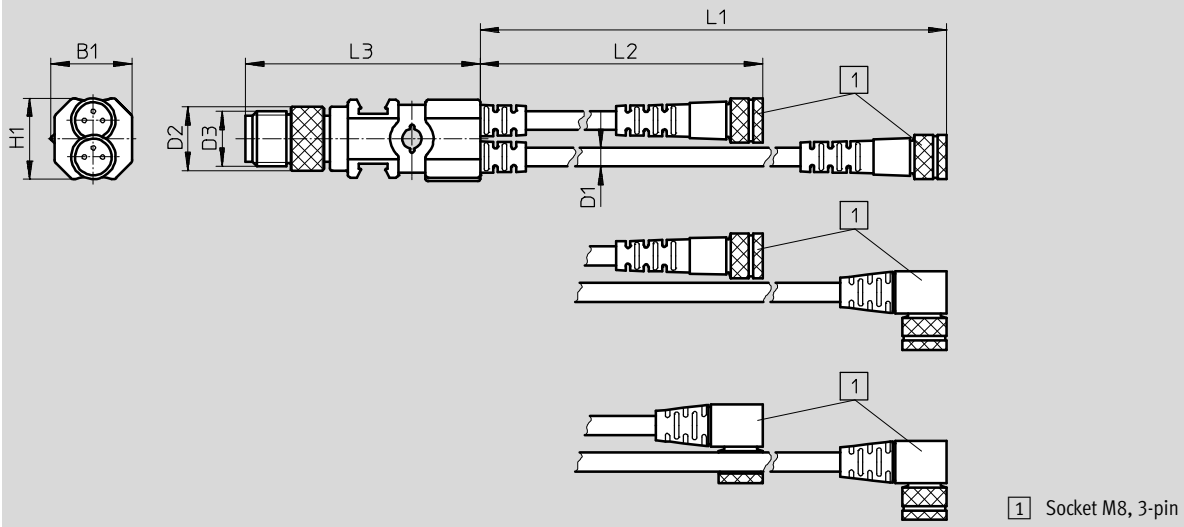


# Y-connecting cable, plug M12, 4-pin

Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



Type	B1	D1 Ø	D2 Ø	D3 Ø	H1	L1	L2	L3
KM12-DUO-M8	17	4.5	14	M12	17.5	600	500	51.5

## Ordering data

Electrical connection		Outlet direction socket M8	Weight [g]	Part No.	Type
Plug M12, 4-pin	2x socket M8, 3-pin	Straight - straight	61	<b>18685</b>	<b>KM12-DUO-M8-GDGD</b>
		Straight - angled	61	<b>18688</b>	<b>KM12-DUO-M8-GDWD</b>
		Angled - angled	61	<b>18687</b>	<b>KM12-DUO-M8-WDWD</b>

**New**  
**NEDU-L1R2-V9**

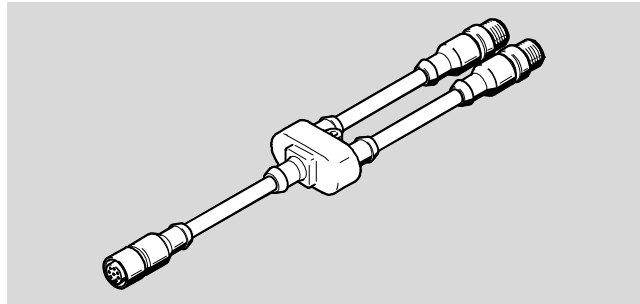
**FESTO**

**Y-connecting cable, socket M12, 8-pin**

Technical data

Connecting cable NEBV-M12G8  
DUO cable NEDU-L1R2-V9

- Y-connecting cable



General technical data		
Type	NEBV-M12G8	NEDU-L1R2-V9
Conforms to	EN 61076-2-101	–
Cable composition	[mm <sup>2</sup> ]	8x 0.25, screened
	[mm <sup>2</sup> ]	–
Cable diameter	[mm]	6.3
	[mm]	–
Cable length	[m]	3
		–
Assembly position	Any	Any
Operating voltage range	[V AC]	0 ... 30
	[V DC]	0 ... 30
Surge strength	[kV]	0.8
Acceptable current load	[A]	1.5
	at 40 °C [A]	2
Cable characteristics	Standard	–
Min. cable bending radius	[mm]	66
Protection class to EN 60529	IP67 in mounted status	IP65, IP67 in mounted status

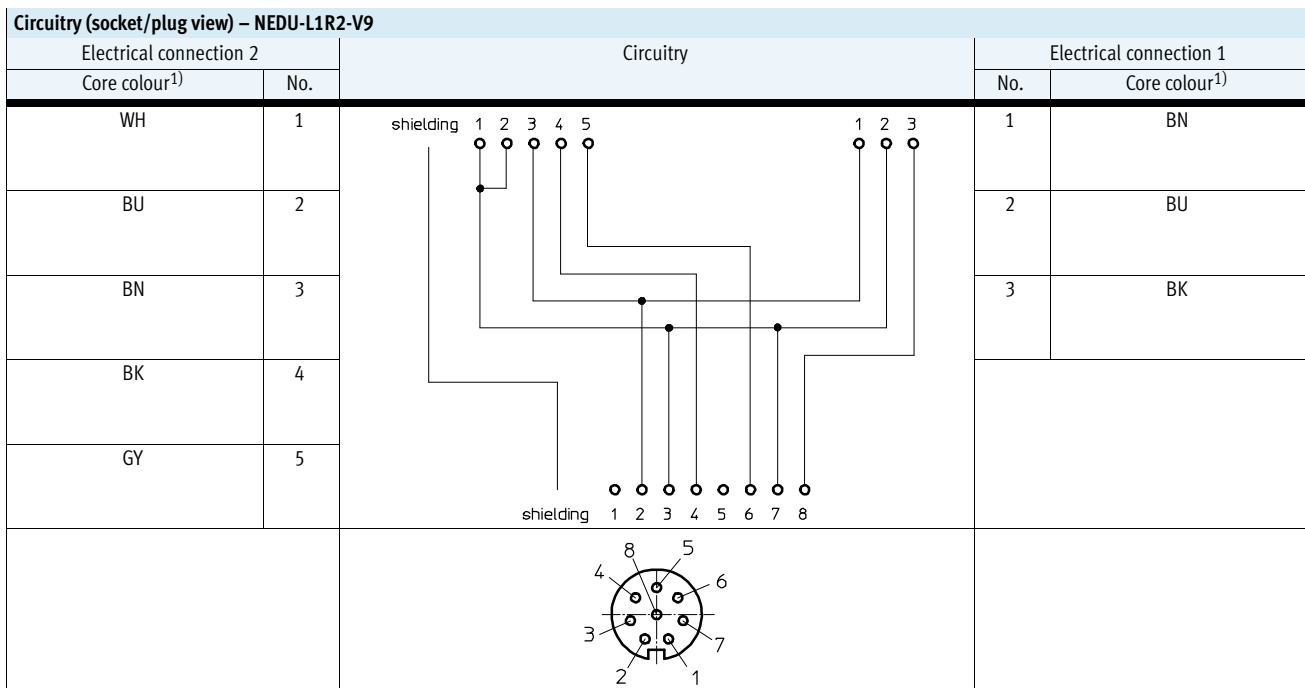
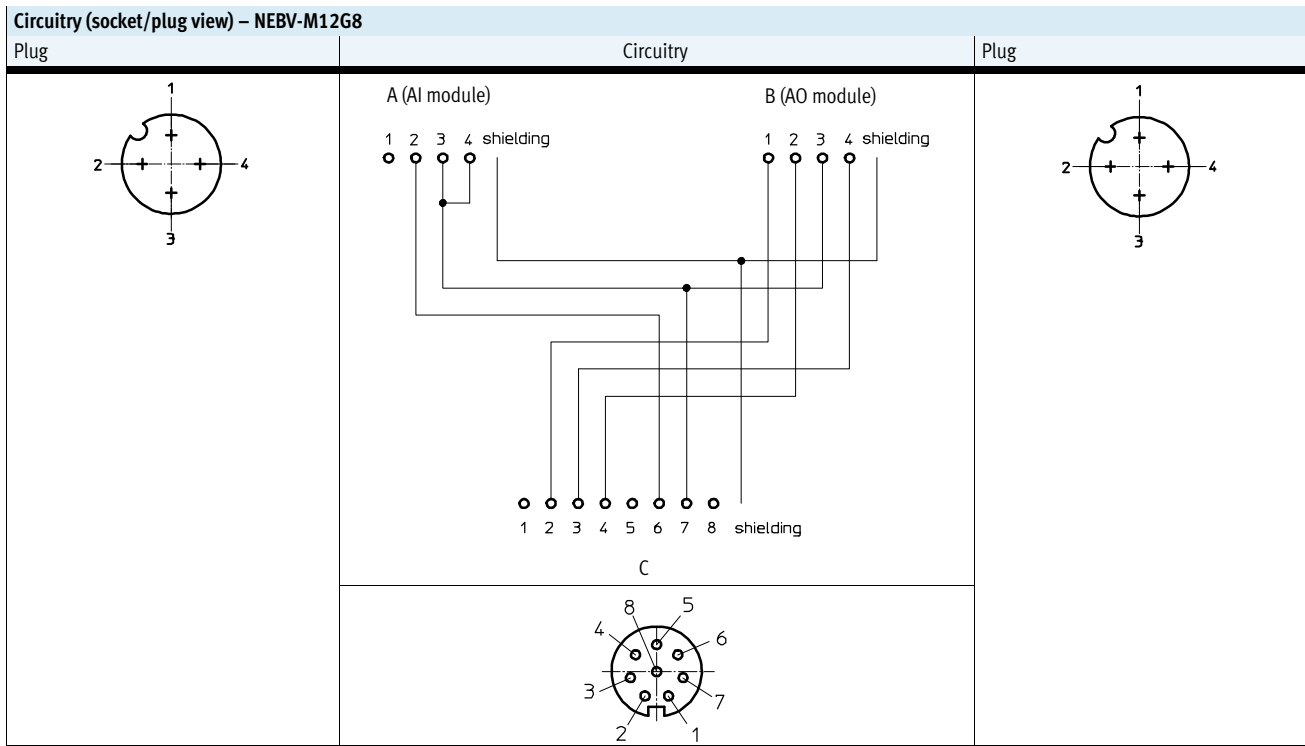
Materials		
Type	NEBV-M12G8	NEDU-L1R2-V9
Housing	TPE-U	TPE-U(PU), reinforced
Housing colour	–	Black
Cable sheath	TPE-U(PUR)	TPE-U(PUR)
Cable sheath colour	Grey	Black
Union nut	Nickel-plated brass	Nickel-plated brass
Seals	–	FPM
Plug contacts	Nickel-plated and gold-plated bronze	–
Note on materials	RoHS-compliant	RoHS-compliant

Operating and environmental conditions		
Type	NEBV-M12G8	NEDU-L1R2-V9
Ambient temperature	[°C]	–25 ... +85
Ambient temperature with flexible cable installation	[°C]	0 ... +80
Corrosion resistance class CRC <sup>1)</sup>	–	2
Degree of contamination	3	3

1) Corrosion resistance class 2 according to Festo standard 940 070  
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

# Y-connecting cable, socket M12, 8-pin

Technical data



1) To IEC 757

**New**  
**NEDU-L1R2-V9**

**FESTO**

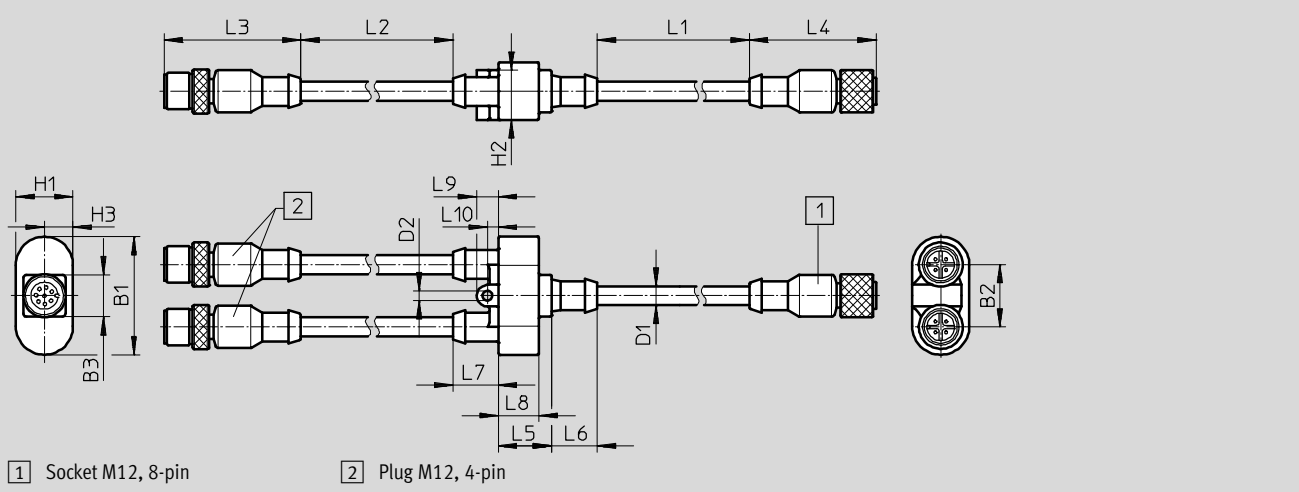
**Y-connecting cable, socket M12, 8-pin**

Technical data

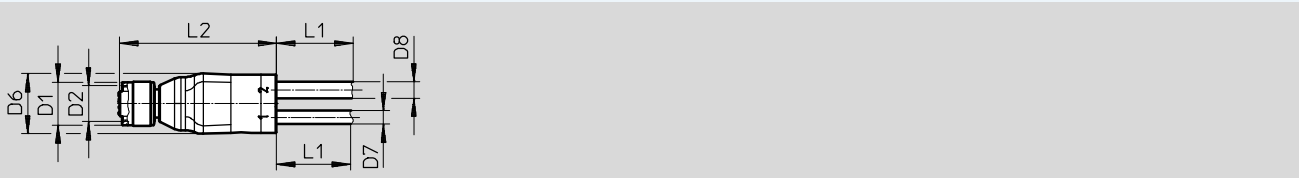
**Dimensions**

Download CAD data → [www.festo.com](http://www.festo.com)

NEBV-M12G8



NEDU-L1R2-V9



Type	B1	B2	B3	D1	D2	D6	D7	D8	H1	H2	H2	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
NEBV-M12G8	38.8	20.5	13.8	6.3	3.2	-	-	-	18.8	16.3	9.4	2500	500	44.9	41.7	17.5	15	15	13.3	7.1	3.6
NEDU-L1R2-V9	-	-	-	14.5	M12	20	4.5	5.3	-	-	-	5000	51.6	-	-	-	-	-	-	-	-

**Ordering data**

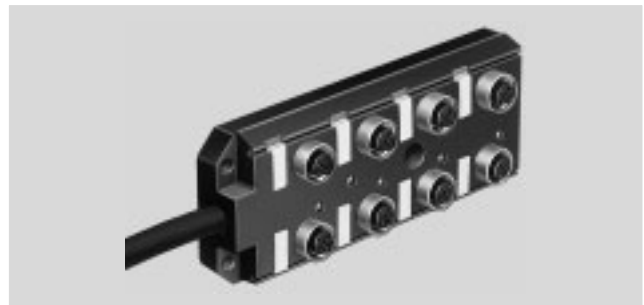
Electrical connection	Product weight [g]	Part No.	Type
Socket M12, 8-pin	247	<b>547888</b>	<b>NEBV-M12G8-KD-3-M12G4</b>
Socket M12, 8-pin, A-coded	377	<b>2903567</b>	<b>NEDU-L1R2-V9-M12G8-E-LE5-5R1-LE3-5R2</b>

# Multi-pin plug distributor, open cable end 11-wire, socket M12, 5-pin

Technical data

Multi-pin plug distributor MPV

- Multi-pin plug distributor



General technical data	
Electrical connection technology for I/O	M12, 5-pin
Type of mounting	Via through-hole
Operating voltage range [V DC]	10 ... 30
Acceptable current load [A]	12
Acceptable current load per slot [A]	4
Protection class to EN 60529	IP67 in mounted status

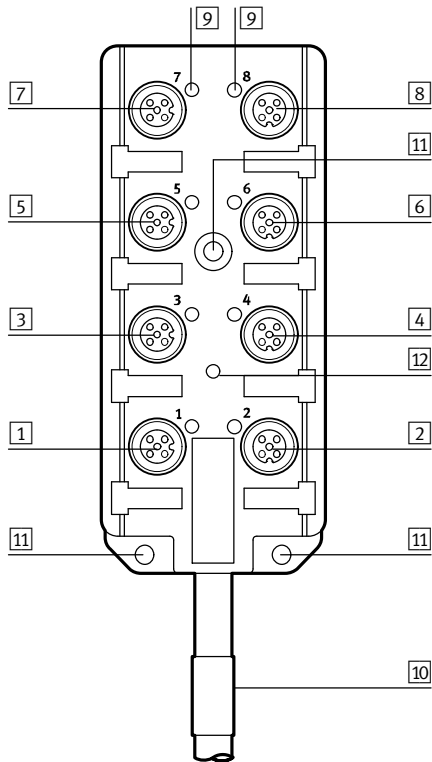
Materials	
Housing	TPE-U (PU)
Cable sheath	TPE-U (PU)
Socket	Galvanized brass

Operating and environmental conditions	
Ambient temperature [°C]	-20 ... +80

# Multi-pin plug distributor, open cable end 11-wire, socket M12, 5-pin

Technical data

## Connection and display components



- 1 Sensor connection, location 1
- 2 Sensor connection, location 2
- 3 Sensor connection, location 3
- 4 Sensor connection, location 4
- 5 Sensor connection, location 5
- 6 Sensor connection, location 6
- 7 Sensor connection, location 7
- 8 Sensor connection, location 8
- 9 Green LED for status display (one LED per input)
- 10 Multi-pin plug connection/ multi-pin cable
- 11 Mounting holes
- 12 Ready status display

## Circuitry (socket/plug view)

Individual connection		Allocation		Multi-pin plug connection		Allocation		Individual connection		
Location	Pin			Wire colour <sup>1)</sup>				Pin	Location	
	1	1	24 DC V	BN	BN	24 DC V	1	2		
		2	n.c.	-	-	n.c.	2			
		3	0 V	BU	BU	0 V	3			
		4	Input 1	WH	GN	Input 2	4			
		5	PU	GN YE	GN YE	PU	5			
	3	1	24 DC V	BN	BN	24 DC V	1	4		
		2	n.c.	-	-	n.c.	2			
		3	0 V	BU	BU	0 V	3			
		4	Input 3	YE	GY	Input 4	4			
		5	PU	GN YE	GN YE	PU	5			
	5	1	24 DC V	BN	BN	24 DC V	1	6		
		2	n.c.	-	-	n.c.	2			
		3	0 V	BU	BU	0 V	3			
		4	Input 5	PK	RD	Input 6	4			
		5	PU	GN YE	GN YE	PU	5			
	7	1	24 DC V	BN	BN	24 DC V	1	8		
		2	n.c.	-	-	n.c.	2			
		3	0 V	BU	BU	0 V	3			
		4	Input 7	BK	VT	Input 8	4			
		5	PU	GN YE	GN YE	PU	5			

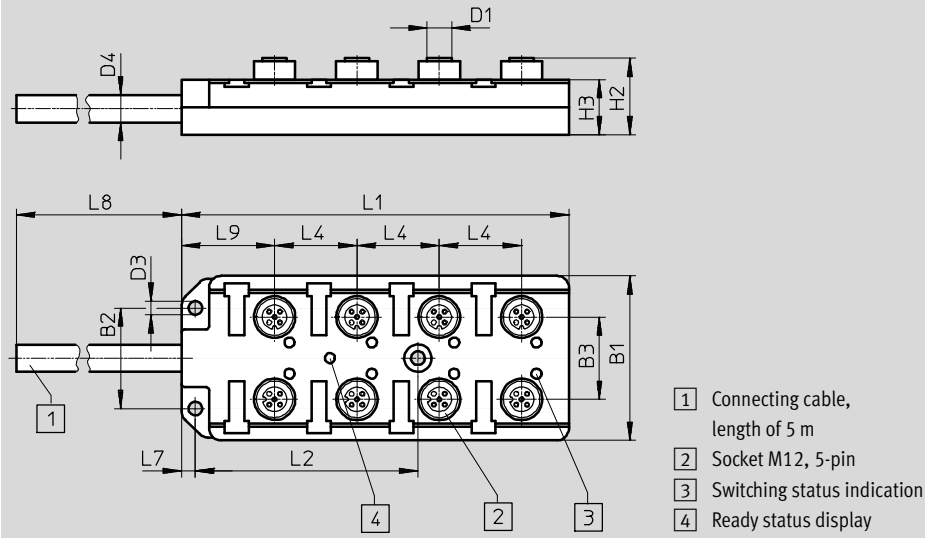
1) To IEC 757

# Multi-pin plug distributor, open cable end 11-wire, socket M12, 5-pin

Technical data

**Dimensions**

Download CAD data → [www.festo.com](http://www.festo.com)




Type	B1	B2	B3	D1	D3 ∅	D4 ∅	H2	H3	L1	L2	L4	L7	L8	L9
MPV-E/A08-M12	54	33	27	M12	4.5	9	25	18	127	73	27	4.5	5000	30.5

**Ordering data**

Electrical connection	Weight [g]	Part No.	Type
Open cable end, 11-pin		177671	MPV-E/A08-M12

**Ordering data – Accessories**

Designation	Part No.	Type
Cover cap	165592	ISK-M12
 Cover cap for sealing unused sockets (10 pieces)	For M12 connections	

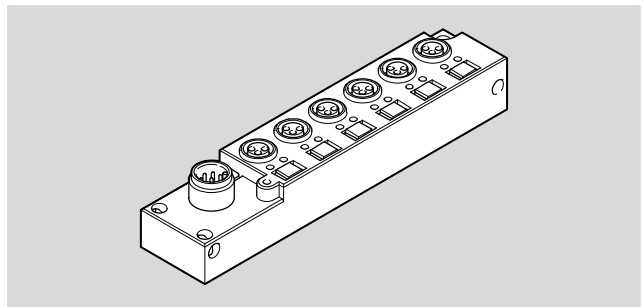
# Multi-pin plug distributor, plug M12, 8-pin, socket M8, 3-pin

FESTO

Technical data

## Multi-pin plug distributor NEDU-L

- Multi-pin plug distributor
- Particularly compact



General technical data	
Electrical connection	Straight plug, M12, 8-pin
	Straight socket, M8, 3-pin
Mounting position	Any
Operating voltage range [V DC]	10 ... 30
Acceptable current load [A]	3
Acceptable current load per slot [A]	2
Ready status display	Green LED
Status display	Yellow LED
Protection class to EN 60529	IP68

Materials	
Housing	PBT, reinforced
Housing colour	Grey
Seals	FPM
Pin contacts	Nickel-plated and gold-plated
Socket	Nickel-plated brass
Corrosion resistance class CRC <sup>1)</sup>	3

1) Corrosion resistance class 3 according to Festo standard 940 070  
Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.

Operating and environmental conditions	
Ambient temperature [°C]	-20 ... +80

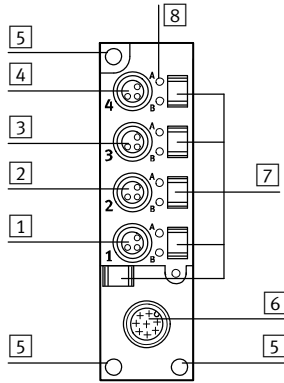


# Multi-pin plug distributor, plug M12, 8-pin, socket M8, 3-pin

Technical data

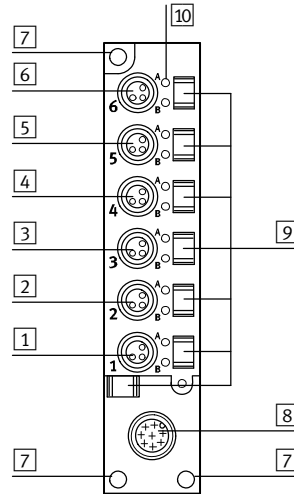
## Connection and display components

NEDU-L4R1-M8G3L-M12G8



- 1 Sensor connection, location 1
- 2 Sensor connection, location 2
- 3 Sensor connection, location 3
- 4 Sensor connection, location 4
- 5 Mounting holes
- 6 Multi-pin plug connection
- 7 Holder for inscription label (ASLR-L-55)
- 8 LED for status display

NEDU-L6R1-M8G3L-M12G8



- 1 Sensor connection, location 1
- 2 Sensor connection, location 2
- 3 Sensor connection, location 3
- 4 Sensor connection, location 4
- 5 Sensor connection, location 5
- 6 Sensor connection, location 6
- 7 Mounting holes
- 8 Multi-pin plug connection
- 9 Holder for inscription label (ASLR-L-55)
- 10 LED for status display

## Circuitry (socket/plug view)

Individual connection		Allocation		Multi-pin plug connection	
	Location	Pin		Pin	
	1	1	+UB	5	
		3	-UB	7	
		4	Input 1	1	
	2	1	+UB	5	
		3	-UB	7	
		4	Input 2	2	
	3	1	+UB	5	
		3	-UB	7	
		4	Input 3	3	
	4	1	+UB	5	
		3	-UB	7	
		4	Input 4	4	
	5	1	+UB	5	
		3	-UB	7	
		4	Input 5	6	
	6	1	+UB	5	
		3	-UB	7	
		4	Input 6	8	

# Multi-pin plug distributor, plug M12, 8-pin, socket M8, 3-pin

Technical data

Download CAD data → [www.festo.com](http://www.festo.com)

1 Plug M12, 8-pin  
2 Socket M8, 3-pin

Type	B1	B2	B3	B4	D1 ∅	D2 ∅	H1	H2	H3	L1	L2	L3	L4	L5	L6
NEDU-L4R1-M8G3L-M12G8	24	17	12	8.4	4.2	4.2	23	18.2	9	87	80	14.5	21	13	3.5
NEDU-L6R1-M8G3L-M12G8	24	17	12	8.4	4.2	4.2	23	18.2	9	113	106	14.5	21	13	3.5

Ordering data			
Electrical connection	Weight [g]	Part No.	Type
Plug M12, 8 pin	4x socket, M8, 3-pin	58	574586 NEDU-L4R1-M8G3L-M12G8
	6x socket, M8, 3-pin	74	574587 NEDU-L6R1-M8G3L-M12G8

Ordering data – Accessories			
Designation	Part No.	Type	
<b>Connecting cable</b>			
	Socket M12, 8-pin, angled	Open cable end, 8-wire	Length: 2 m <b>542256</b> <b>NEBU-M12W8-2-N-LE8</b>
			Length: 5 m <b>542257</b> <b>NEBU-M12W8-5-N-LE8</b>
			Length: 10 m <b>570007</b> <b>NEBU-M12W8-10-N-LE8</b>
	Socket M12, 8-pin, straight	Open cable end, 8-wire	Length: 2 m <b>525616</b> <b>SIM-M12-8GD-2-PU</b>
			Length: 5 m <b>525618</b> <b>SIM-M12-8GD-5-PU</b>
			Length: 10 m <b>570008</b> <b>SIM-M12-8GD-10-PU</b>
	Plug M12, 8-pin, straight	Length: 2 m <b>525617</b> <b>KM12-8GD8GS-2-PU</b>	
<b>Cover cap</b>			
	Cover cap for sealing unused sockets (10 pieces)	For M12 connections	<b>165592</b> <b>ISK-M12</b>
<b>Inscription label</b>			
	Inscription labels in frames, pack of 1000	5x5 mm	<b>574590</b> <b>ASLR-L-55</b>

# Multi-pin plug distributor, plug Sub-D, 15-pin, socket M8, 3-pin

Technical data

Multi-pin plug distributor MPV

- Multi-pin plug distributor



General technical data	
Electrical connection technology for I/O	M8, 3-pin
Type of mounting	Either via H-rail or through-hole
Operating voltage range [V DC]	10 ... 30
Acceptable current load [A]	4
Acceptable current load per slot [A]	1
Protection class to EN 60529	IP65 in mounted status

Materials	
Housing	Reinforced PA6
Socket	Brass

Operating and environmental conditions	
Ambient temperature [°C]	-20 ... +80

# Multi-pin plug distributor, plug Sub-D, 15-pin, socket M8, 3-pin

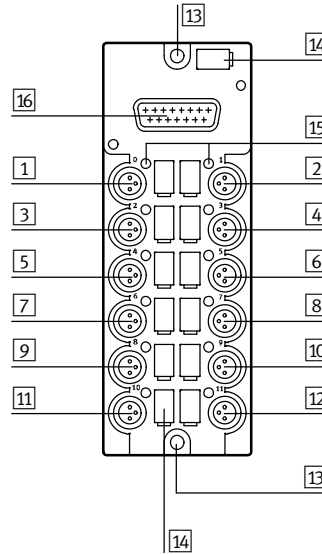
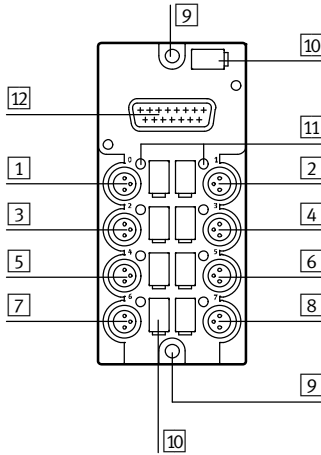
Technical data

FESTO

## Connection and display components

MPV-E/A08-M8

MPV-E/A12-M8

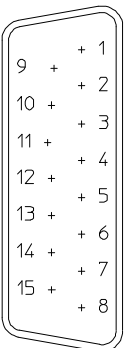


- 1 Sensor connection, location 1
- 2 Sensor connection, location 2
- 3 Sensor connection, location 3
- 4 Sensor connection, location 4
- 5 Sensor connection, location 5
- 6 Sensor connection, location 6
- 7 Sensor connection, location 7
- 8 Sensor connection, location 8
- 9 Mounting holes
- 10 Holder for inscription label (IBS-6x10)
- 11 LED for status display
- 12 Multi-pin plug connection

- 1 Sensor connection, location 1
- 2 Sensor connection, location 2
- 3 Sensor connection, location 3
- 4 Sensor connection, location 4
- 5 Sensor connection, location 5
- 6 Sensor connection, location 6
- 7 Sensor connection, location 7
- 8 Sensor connection, location 8
- 9 Sensor connection, location 9
- 10 Sensor connection, location 10
- 11 Sensor connection, location 11
- 12 Sensor connection, location 12
- 13 Mounting holes
- 14 Holder for inscription label (IBS-6x10)
- 15 LED for status display
- 16 Multi-pin plug connection

## Circuitry (socket/plug view)

Individual connection	Allocation		Multi-pin plug connection		Allocation		Individual connection	
	Location	Pin	Pin	Pin	Pin	Pin	Location	
	1	1	24 DC V	13	13	24 DC V	2	
		3	0 V	14/15	14/15	0 V		3
		4	Input 1	1	2	Input 2		4
	3	1	24 DC V	13	13	24 DC V	4	
		3	0 V	14/15	14/15	0 V		3
		4	Input 3	3	4	Input 4		4
	5	1	24 DC V	13	13	24 DC V	6	
		3	0 V	14/15	14/15	0 V		3
		4	Input 5	5	6	Input 6		4
	7	1	24 DC V	13	13	24 DC V	8	
		3	0 V	14/15	14/15	0 V		3
		4	Input 7	7	8	Input 8		4
9	1	24 DC V	13	13	24 DC V	10		
	3	0 V	14/15	14/15	0 V		3	
	4	Input 9	9	10	Input 10		4	
11	1	24 DC V	13	13	24 DC V	12		
	3	0 V	14/15	14/15	0 V		3	
	4	Input 11	11	12	Input 12		4	

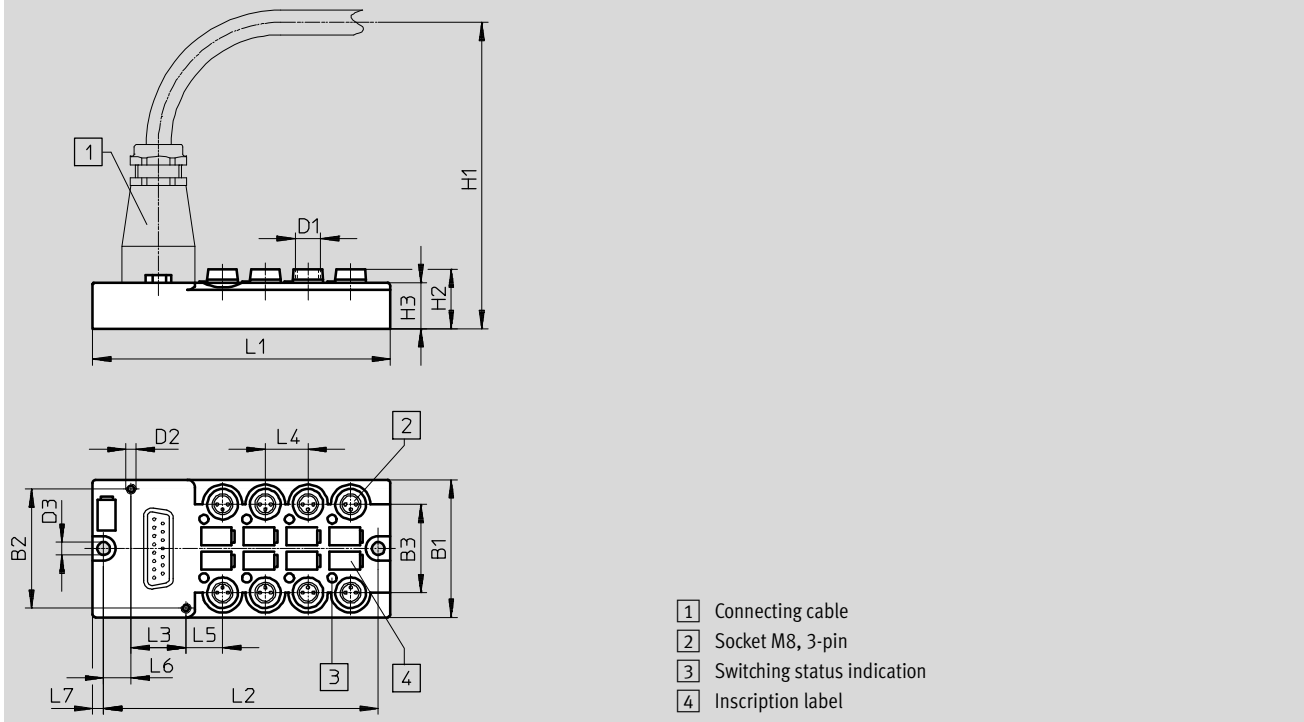


# Multi-pin plug distributor, plug Sub-D, 15-pin, socket M8, 3-pin

Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



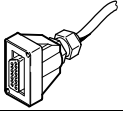
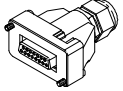


Type	B1	B2	B3	D1	D2	D3 Ø	H1	H2	H3	L1	L2	L3	L4	L5	L6	L7
MPV-E/A08-M8	45	39	29	M8	M3	4.2	126	19.5	15	98	90	18	14	12	9	4
MPV-E/A12-M8	45	39	29	M8	M3	4.2	126	19.5	15	126	118	18	14	12	9	4

# Multi-pin plug distributor, plug Sub-D, 15-pin, socket M8, 3-pin

FESTO

Accessories

Ordering data				
Electrical connection		Weight [g]	Part No.	Type
Plug Sub-D, 15-pin	Socket M8x8	100	177669	MPV-E/A08-M8
	Socket M8x12	120	177670	MPV-E/A12-M8

Ordering data – Accessories				
Designation			Part No.	Type
Multi-pin plug connection				
	Plug socket with cable <ul style="list-style-type: none"> <li>• Socket Sub-D, 15-pin</li> <li>• Open cable end, 15-wire</li> </ul>	5 m	177673	KMPV-SUB-D-15-5
		10 m	177674	KMPV-SUB-D-15-10
	Socket Sub-D, 15-pin		177675	SD-SUB-D-BU15
Cover cap				
	Cover cap for sealing unused sockets (10 pieces)	For M8 connections	177672	ISK-M8
Inscription label				
	Inscription labels in frames, pack of 64	6x10 mm	18576	IBS-6x10