

**M12-Splitters, Double-Ended, IEC Color Code**

ASB 2-RKT | ASBA 2-RKT | ASB 2-RKWT

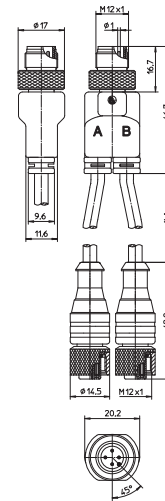


**M12-Duo-Male - 2xM12-Female Str.**

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female connectors with self-locking threaded joint.

– ASBA 2-RKT: with AND logic –

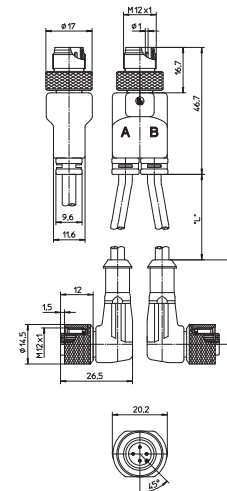
ASB 2-RKT | ASBA 2-RKT



**M12-Duo-Male - 2xM12-Female 90°**

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female right angle connectors with self-locking threaded joint.

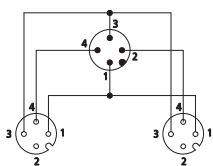
ASB 2-RKWT



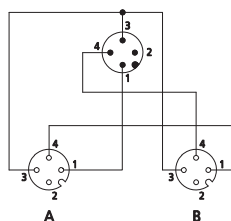
**Pin Assignments**

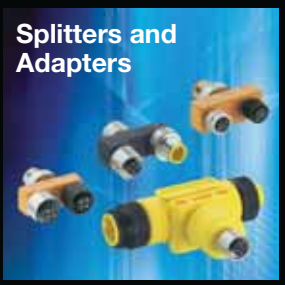
**Wiring Diagrams**

ASB 2 - RKT / ASB 2 - RKWT



ASBA 2 - RKT





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## M12-Splitters, Single- and Double-Ended, IEC Color Code

ASB 2-RKT | ASBA 2-RKT | ASB 2-RKWT

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

#### Mechanical

Housing / Molded body TPU  
 Insert TPU  
 Contact ASB: CuZn, pre-nickeled and 0.8 microns gold-plated  
 RKT / RKWT: CuZn, pre-nickeled and 0.3 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM (only RKT / RKWT)

#### Electrical

Nominal current at 40°C 4 A per cable / 4 A max. total  
 Nominal voltage 60 V  
 Rated voltage 63 V  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

### Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm <sup>2</sup>	Black	.169" (4.3 mm)	UL: AWM 20327 / CSA: AWM I/II A/B
251	PUR, halogen-free welding spark proof	4 x 0.34 mm <sup>2</sup>	Orange	.185" (4.7 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RKT 4-3-224/...M ASB 2-RKWT 4-3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	
ASB 2-RKT 4-3-251/...M ASB 2-RKWT 4-3-251/...M		PUR, halogen-free welding spark proof	1 M / 1.5 M / 2 M	
ASBA 2-RKT 4-3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	

**M12 / M8-Splitters, Double-Ended, IEC Color Code**

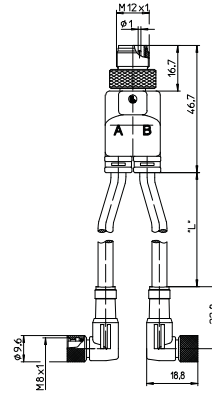
**ASB 2-RKMWW/LED | ASB 2-RKWT/LED**



**M12-Duo-Male - 2xM8-Female 90° (LED)**

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M8 female right angle connectors with LED operation and function indicator, self-locking threaded joint.

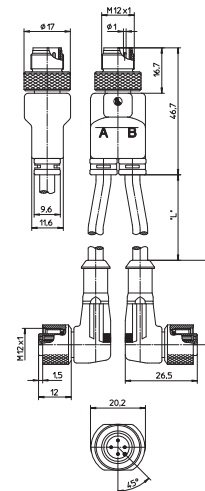
**ASB 2-RKMWW/LED**



**M12-Duo-Male - 2xM12-Female 90° (LED)**

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female right angle connectors with LED operation and function indicator, self-locking threaded joint.

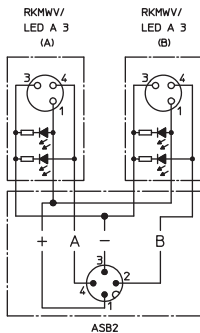
**ASB 2-RKWT/LED**



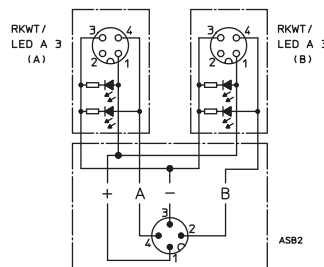
**Pin Assignments**

**Wiring Diagrams**

**ASB 2 - RKMWW/LED**



**ASB 2 - RKWT/LED**





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**M12 / M8-Splitters, Double-Ended, IEC Color Code**  
 ASB 2-RKMWW/LED | ASB 2-RKWT/LED

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

**Mechanical**

Housing / Molded body TPU  
 Insert ASB / RKWT/LED: TPU  
 RKMWW/LED: PA / TPU  
 Contact ASB / RKWT/LED: CuZn, pre-nickeled and 0.8 microns gold-plated  
 RKWT/LED: CuSn, pre-nickeled and 0.3 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM (only RKMWW/LED / RKWT/LED)

**Electrical**

Nominal current at 40°C 4 A per cable / 4 A max. total  
 Nominal voltage 10-30 V DC  
 Rated voltage 32 V  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm <sup>2</sup>	Black	.169" (4.3 mm)	UL: AWM 20327 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RKMWW/LED A 3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	

**M12-Splitters, Double-Ended, IEC Color Code**

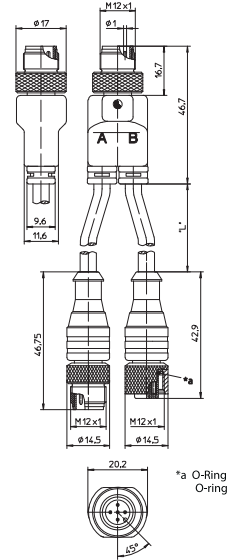
**ASB 2-RST-RKT**



**M12-Duo-Male - 2xM12-Male/Female**

Actuator/sensor cordset, double-ended, M12 Duo male connector with one M12 male connector and one M12 female connector, self-locking threaded joint.

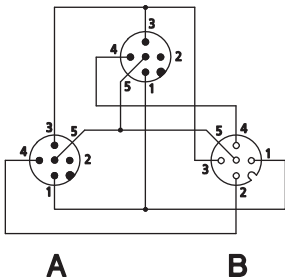
**ASB 2-RST-RKT**



**Pin Assignments**

**Wiring Diagrams**

**ASB 2 - RST-RKT**





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**M12-Splitters, Double-Ended, IEC Color Code**  
ASB 2-RST-RKT

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

**Mechanical**

Housing / Molded body TPU  
Insert TPI  
Contact ASB / RST: CuZn, pre-nickeled and 0.8 microns gold-plated  
RKT: CuZn, pre-nickeled and 0.3 microns gold-plated  
Coupling nut CuZn, nickel-plated  
O-ring FKM (only RKT)

**Electrical**

Nominal current at 40°C 4 A per cable / 4 A max. total  
Nominal voltage 60 V  
Rated voltage 63 V  
Insulation resistance > 10<sup>9</sup> Ω  
Pollution degree 3

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm <sup>2</sup>	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RST 5-228/0.2-RKT 5-228/...M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	



**M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code**

ASB 2-VAD 1 A | ASB 2-VBD 1A

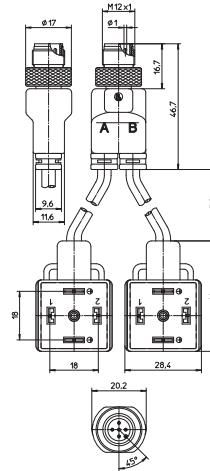


**M12-Duo-Male - 2xDIN Valve**

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form A –

**ASB 2-VAD 1A**

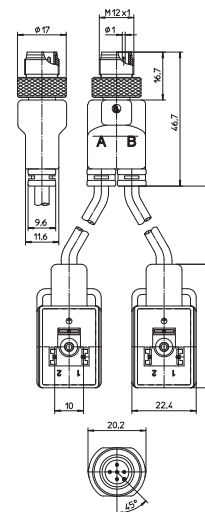


**M12-Duo-Male - 2xDIN Valve**

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form B –

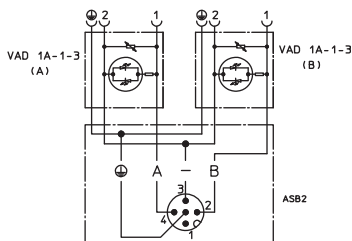
**ASB 2-VBD 1A**



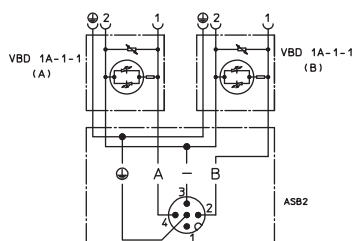
**Pin Assignments**

**Wiring Diagrams**

**ASB 2 - VAD 1A**



**ASB 2 - VBD 1A**





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**M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code**  
 ASB 2-VAD 1 A | ASB 2-VBD 1A

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range ASB: -25°C (-13°F) / +90°C (+194°F)  
 VAD: -25°C (-13°F) / +80°C (+176°F)

**Mechanical (ASB)**

Housing / Molded body TPU, self-extinguishing  
 Insert TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated

**Mechanical (VAD / VBD)**

Housing / Molded body TPU, self-extinguishing  
 Insert PBT  
 Contact CuZn, nickel plated and tin plated

**Electrical**



Nominal current at 40°C 4 A per cable / 4 A max. total  
 Nominal voltage 24 V  
 Rated voltage 32 V  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

**Varistor data (VAD / VBD)**

Nominal voltage 47 V at 0.1 mA  
 typ. limiting voltage 110 V at 5 A  
 max. pulse energy 0.9 Ws  
 (standard impulse 10/1000us)  
 max. continuous power loss 0.01 W

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm <sup>2</sup>	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-VAD 1A-1-3-226/...M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	 



**M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code**

ASB 2-VB 1 A | ASB 2-VC 1A

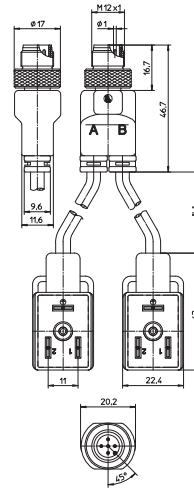


**M12-Duo-Male - 2xDIN Valve**

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form B –

ASB 2-VB 1 A

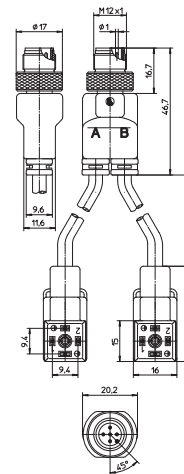


**M12-Duo-Male - 2xDIN Valve**

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form C –

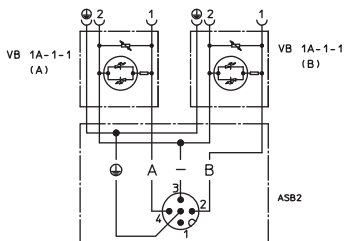
ASB 2-VC 1A



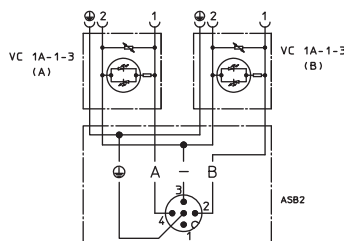
**Pin Assignments**

**Wiring Diagrams**

ASB 2 - VB 1A



ASB 2 - VC 1A





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**M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code**  
 ASB 2-VB 1 A | ASB 2-VC 1A

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range ASB: -25°C (-13°F) / +90°C (+194°F)  
 VAD: -25°C (-13°F) / +80°C (+176°F)

**Mechanical (ASB)**

Housing / Molded body TPU, self-extinguishing  
 Insert TPU, self-extinguishing  
 Contact CuZn, pre-nickelated and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated

**Mechanical (VAD / VBD)**

Housing / Molded body TPU, self-extinguishing  
 Insert PBT  
 Contact CuZn, nickel plated and tin plated

**Electrical**



Nominal current at 40°C 4 A per cable / 4 A max. total  
 Nominal voltage 24 V  
 Rated voltage 32 V  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

**Varistor data (VAD / VBD)**

Nominal voltage 47 V at 0.1 mA  
 typ. limiting voltage 110 V at 5 A  
 max. pulse energy 0.9 Ws  
 (standard impulse 10/1000us)  
 max. continuous power loss 0.01 W

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm <sup>2</sup>	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-VB 1A-1-1-226/... M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	 

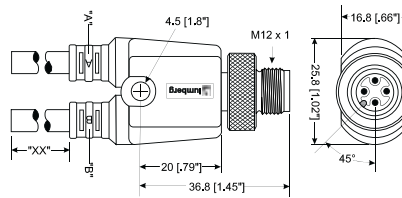
## M12-Splitters, Single- and Double-Ended, IEC Color Code

ASB 2 | ASB 2-RKT | ASB 2-RKWT



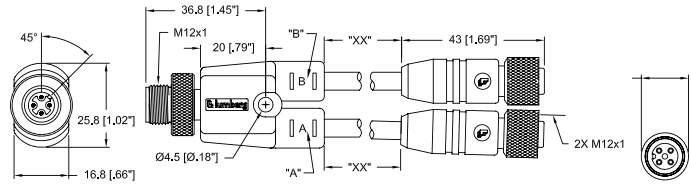
### M12-Duo-Male to Open Leads

Splitter, single-ended, M12-duo, male straight with self-locking threaded joint and two open leads.



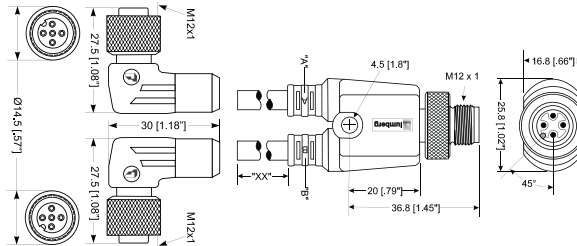
### M12-Duo-Male to 2xM12 Female Str.

Splitter, double-ended, M12-duo, male straight to two M12, female straight connectors with self-locking threaded joint.



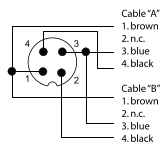
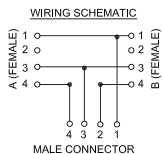
### M12-Duo-Male to 2xM12 Female 90°

Splitter, double-ended, M12-duo, male straight to two M12, female 90° connectors with self-locking threaded joint.



## Pin Assignments

### Wiring Diagram





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## M12-Splitters, Single- and Double-Ended, IEC Color Code ASB 2 | ASB 2-RKT | ASB 2-RKWT

### Technical Data

#### Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	TPE: -40°C (-40°F) / +90°C (+194°F) PVC: -40°C (-40°F) / +90°C (+194°F) PUR: -40°C (-40°F) / +80°C (+176°F)

#### Mechanical (RST)





















Housing / Molded body	TPU, yellow
Insert	TPU, black (RKT / RKWT) TPU, yellow (ASB 2)
Contact	CuZn, gold plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM

#### Electrical

Contact resistance	≤ 5 mΩ
Current rating	4 A
Voltage rating	250 V

### Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
637	TPE	18AWG	Yellow	.280" (7.1 mm)	UL: AWM 20327 / CSA: AWM I/II A/B
643	TPE	22AWG	Yellow	.246" (6.2 mm)	UL: PLTC / CSA: AWM I/II A/B
632	PVC	22AWG	Yellow	.190" (4.8 mm)	UL: AWM 2661 / CSA: AWM I/II A/B
645	PUR	18AWG	Yellow	.220" (5.6 mm)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2 4-3-632/...M		3	PVC	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
	ASB 2-RKT 4-3-632/...M ASB 2-RKWT 4-3-632/...M		PVC	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
	ASB 2-RKT 4-3-637/...M ASB 2-RKWT 4-3-637/...M		TPE	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	     
	ASB 2-RKT 4-3-643/...M		TPE	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	    
	ASB 2-RKT 4-3-645/...M ASB 2-RKWT 4-3-645/...M		PUR	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  

**M12-Splitters, Double-Ended, IEC Color Code**

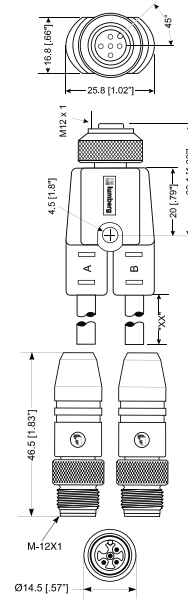
**AKB 2-RST**



**M12-Duo-Female to 2xM12 Male Str.**

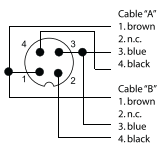
Splitter, double-ended, M12-duo, female straight to two M12, male straight connectors with self-locking threaded joint.

**AKB 2-RST**



**Pin Assignments**

**Wiring Diagram**





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**M12-Splitters, Single- and Double-Ended, IEC Color Code**  
AKB 2-RST

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -15°C (+5°F) / +90°C (+194°F)

**Mechanical (RST)**

Housing / Molded body TPU, yellow  
Insert TPU, black (AKB 2)  
TPU, yellow (RST)  
Contact CuZn, gold plated  
Coupling nut CuZn, nickel-plated  
O-ring FKM



**Electrical**

Contact resistance ≤ 5 mΩ  
Current rating 4 A  
Voltage rating 250 V

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
602	PUR	18AWG	Yellow	.230" (5.8 mm)	UL: AWM 20233 / CSA: AWM I/II A/B

Splitters and Adapters

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
AKB 2-RST 3-602/...M	3	PUR	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 

**M12-Splitters/T-Connectors**

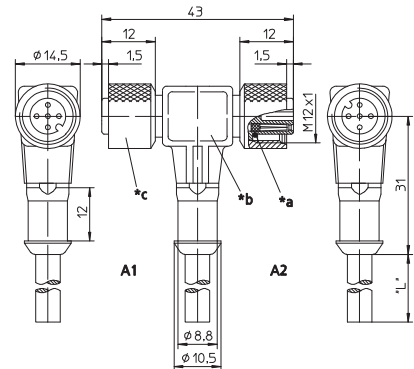
ZV 2



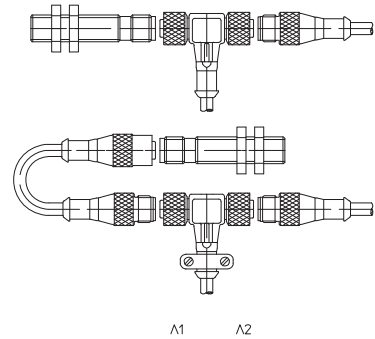
**M12 Male / Female**

Splitter/T-connector, double female (2 port distribution box) with self-locking threaded joint, 3-poles with molded cable.

ZV 2



\*a O-Ring  
\*b hose mounting  
\*c coupling nut black



**Pin Assignments**

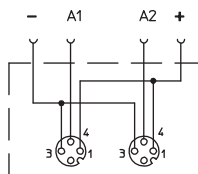
M12 Female

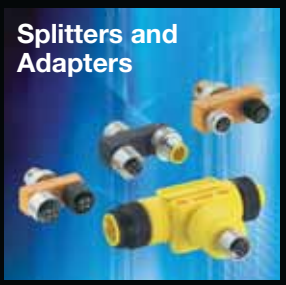
3 poles



- 1 = brown
- 2 = n.c.
- 3 = blue
- 4 = black (A1) / white (A2)

Wiring Diagram





**M12-Splitters/T-Connectors**  
ZV 2

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

**Mechanical**

Housing / Molded body TPU, self-extinguishing  
 Insert TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 60 V  
 Rated voltage 63 V  
 Test voltage 2.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

**Cable Specifications**

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
225	PUR, halogen-free	4 x 0.34 mm <sup>2</sup>	Black	.185" (4.7 mm)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ZV 2 4-3-225/...M	3	PUR, halogen-free	2 M / 5 M / 10 M	



## M12-Splitters/T-Connectors

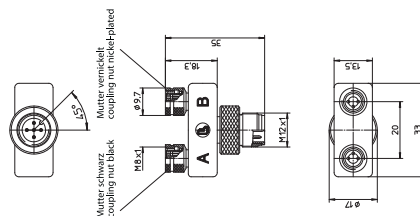
ASBS 2 M8 | ASBS 2 M12 | ASBSA 2 M12



### M12 Male to 2xM8 Female

Splitter/T-connector, with two M8 miniature female connectors, 3 poles, with self-locking threaded joint.

### ASBS 2 M8



### M12 Male to 2xM12 Female

Splitter/T-connector with two M12 female connectors, with self-locking threaded joint.

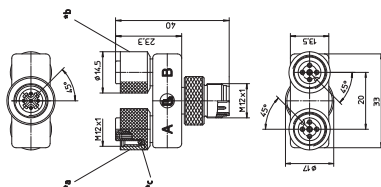
### M12 Male to 2xM12 Female

Splitter/T-connector with two M12 female connectors, with self-locking threaded joint.

– ASBS 2 M12-5 1-1: wired through 1 to 1 –

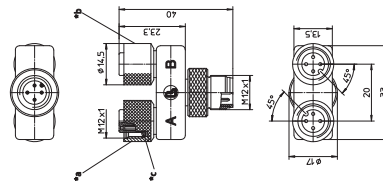
– ASBSA 2 M12-3: with AND circuit –

### ASBS 2 M12



\*a coupling nut black  
\*b coupling nut nickel-plated

### ASBSA 2 M12

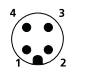


\*c O-ring

## Pin Assignments

### Face Views

#### ASBS 2 M8



#### A



#### B



#### ASBSA 2 M12-3



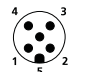
#### A



#### B



#### ASBS 2 M12-5S



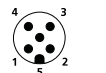
#### A



#### B



#### ASBS 2 M12-5



#### A

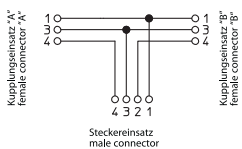


#### B

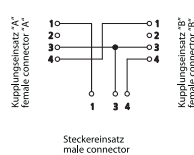


### Wiring Diagrams

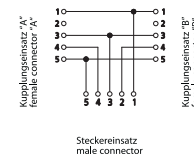
#### ASBS 2 M8



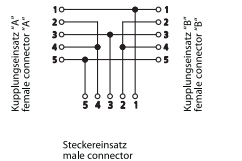
#### ASBSA 2 M12-3



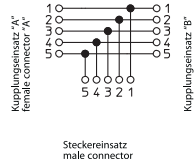
#### ASBS 2 M12-5S

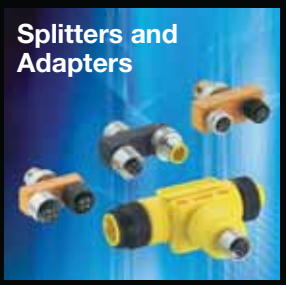


#### ASBS 2 M12-5



#### ASBS 2 M12-5 1-1





# Be Certain with Belden

## M12-Splitters/T-Connectors

ASBS 2 M8 | ASBS 2 M12 | ASBSA 2 M12

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body TPU, self-extinguishing  
 Insert Female connectors:  
 M8: TPU, self-extinguishing  
 M12: PA GF, self-extinguishing  
 Male connector:  
 TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A per outlet / 4 A max. total  
 Nominal voltage 60 V  
 Rated voltage 63 V  
 Test voltage M8: 0.8 kV eff. / 60 s  
 M12: 1.5 kV eff. / 60 s  
 ASBSA: 2.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Characteristics
ASBS 2 M8	3	
ASBSA 2 M12-3		
ASBS 2 M12-5S	5	
ASBS 2 M12-5		
ASBS 2 M12-5 1-1		

## M12-Splitters/T-Connectors

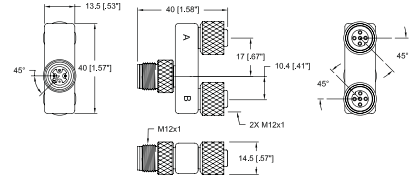
ASBS 2 M12-S2326 | ASBS 2 M12-S2325



### M12 Male to 2xM12 Female

Splitter/T-connector, two way, 4-poles with one M12 male connector and two M12 female connectors.

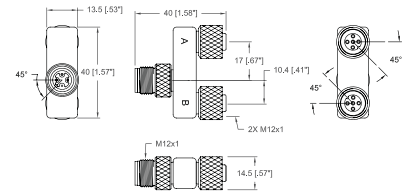
### ASBS 2 M12-S2326



### M12 Male to 2xM12 Female

Splitter/T-connector, two way, 5-poles with one M12 male connector and two M12 female connectors.

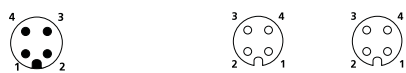
### ASBS 2 M12-S2325



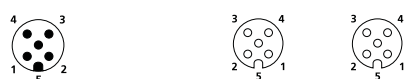
## Pin Assignments

### Face Views

#### ASBS 2 M12-S2326

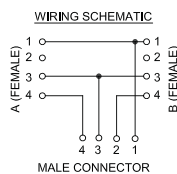


#### ASBS 2 M12-S2325

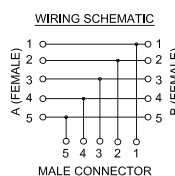


### Wiring Diagrams

#### ASBS 2 M12-S2326



#### ASBS 2 M12-S2325





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**M12-Splitters/T-Connectors**

ASBS 2 M12-S2326 | ASBS 2 M12-S2325

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -15°C (+5°F) / +90°C (+194°F)

**Mechanical**

Molded body PUR, black  
 Insert PUR, black  
 Contact Brass, gold over nickel plated  
 Coupling nut Brass, nickel-plated  
 O-ring FKM

**Electrical**

Contact resistance ≤ 5 mΩ  
 Current rating 4 A  
 Voltage rating 250 V

Splitters and Adapters

Part Number	Pins	Characteristics
ASBS 2 M12-S2326	4	
ASBS 2 M12-S2325	5	

## M12-Splitters/T-Connectors

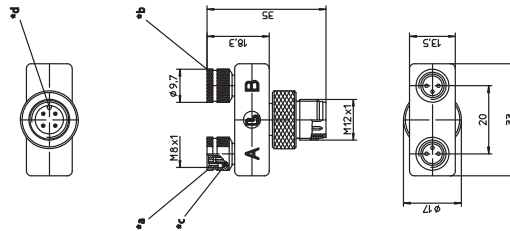
ASBS 2 M8-90 | ASBS 2 M12...-90



### M12 Male to 2xM8 Female

ASBS 2 M8-90

Splitter/T-connector, with two M8 miniature female connectors, 3 poles, 90° with self-locking threaded joint.



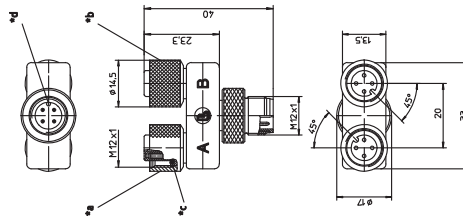
- \*a coupling nut black
- \*b coupling nut nickel-plated
- \*c O-Ring
- \*d coding 90°



### M12 Male to 2xM12 Female

ASBS 2 M12...-90

Splitter/T-connector with two M12 female connectors, 4 and 5 poles, 90°-version, with self-locking threaded joint.



- \*a coupling nut black
- \*b coupling nut nickel-plated
- \*c O-Ring
- \*d coding 90°

## Pin Assignments

### Face Views

#### ASBS 2 M8-90



#### A



#### B



#### ASBS 2 M12-4S-90



#### A



#### B



#### ASBS 2 M12-5-90



#### A

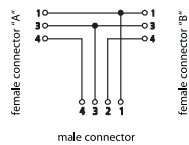


#### B

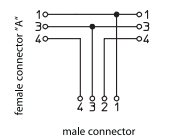


### Wiring Diagrams

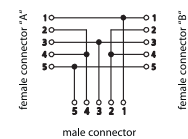
#### ASBS 2 M8-90



#### ASBS 2 M12-4S-90



#### ASBS 2 M12-5-90





**M12-Splitters/T-Connectors**

ASBS 2 M8-90 | ASBS 2 M12...-90

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body TPU, self-extinguishing  
 Insert Female connectors:  
 M8: TPU, self-extinguishing  
 M12: PA GF, self-extinguishing  
 Male connector:  
 TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 2 A per outlet / 4 A max. total  
 Nominal voltage M8: 60 V  
 M12: 4 poles 240 V  
 M12: 5 poles 60 V  
 Rated voltage M8: 63 V  
 M12: 4 poles 250 V  
 M12: 5 poles 63 V  
 Test voltage M8: 1.0 kV eff. / 60 s  
 M12: 4 poles 2.0 kV eff. / 60 s  
 M12: 5 poles 1.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Characteristics
ASBS 2 M8-90	3	
ASBS 2 M12-4S-90	4	
ASBS 2 M12-5-90	5	

## M12-Splitters/T-Connectors

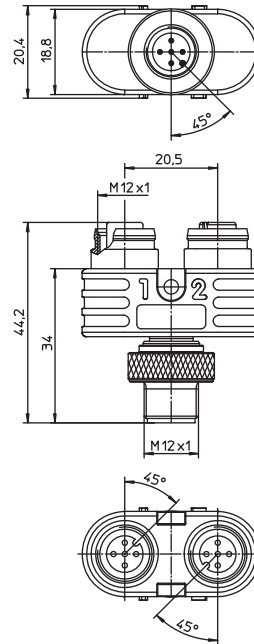
### FASBS 2 M12



### M12 Male to 2xM12 Female

Splitter/T-connector, with one M12 male and two M12 female connectors, 5-poles. Includes mounting hole for ease of installation.

### FASBS 2 M12



## Pin Assignments

### Face Views

#### 5-poles



#### A

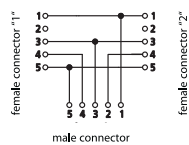


#### B



### Wiring Diagrams

#### FASBS 2 M12





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## M12-Splitters/T-Connectors

FASBS 2 M12

### Technical Data

#### Environmental



Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body TPU, self-extinguishing  
 Insert TPU, self-extinguishing  
 Contact CuZn, pre-nickeled and 0.3 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM

#### Electrical

Contact resistance  $\leq 5 \text{ m}\Omega$   
 Nominal current at 40°C 4 A  
 Nominal voltage 60 V  
 Rated voltage 63 V  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance  $> 10^9 \Omega$   
 Pollution degree 3

Part Number	Pins	Characteristics
FASBS 2 M12-5S	5	 



### M12-Splitters/T-Connectors

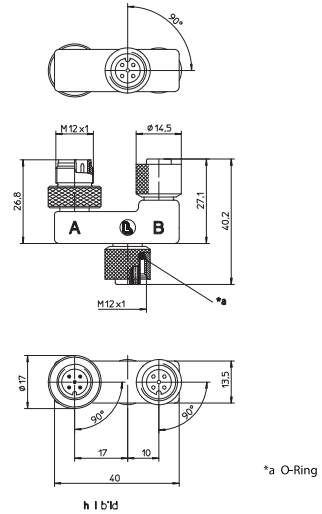
0906 UTP 101



1 x M12 Male and 2 x M12 Female

Splitter/T-connector, with one M12 male and two M12 female connectors, 5-poles.  
– especially suitable for DeviceNet and CANopen modules with M12 bus connection –

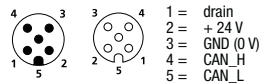
0906 UTP 101



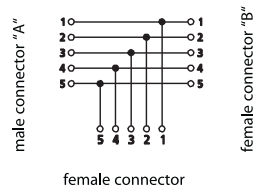
#### Pin Assignments

##### Face Views

##### M12 - 5-poles



##### Wiring Diagrams





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## M12-Splitters/T-Connectors

0906 UTP 101

### Technical Data

#### Environmental


Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body TPU  
 Insert TPU  
 Contact CuZn, pre-nickel and gold-plated  
 Coupling nut CuZn, brass, nickel  
 O-ring FKM

#### Electrical

Contact resistance  $\leq 5 \text{ m}\Omega$   
 Nominal current at 40°C 4 A per outlet / 4 A max. total  
 Nominal voltage 60 V  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance  $> 10^9 \Omega$   
 Pollution degree 3

Part Number	Pins	Characteristics
0906 UTP 101	5	 

### 7/8"-Splitters/T-Connectors

0906 UTP 301

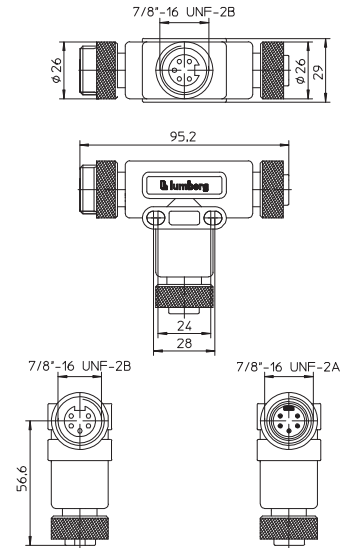


1 x 7/8" male and 2 x 7/8" Female

Splitter/T-connector, with one 7/8" female, one 7/8" male, and one 7/8" female connectors, 5-poles.

– especially suitable for DeviceNet modules with 7/8" bus connection –

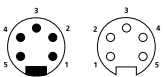
0906 UTP 301



#### Pin Assignments

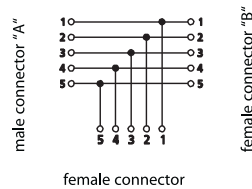
##### Face Views

##### 7/8" - 5 poles



- 1 = drain
- 2 = + 24 V
- 3 = GND (0 V)
- 4 = CAN\_H
- 5 = CAN\_L

##### Wiring Diagrams





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**7/8"-Splitters/T-Connectors**

0906 UTP 301

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)


**Mechanical**

Housing / Molded body TPU  
 Insert TPU  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut Aluminum, black anodized

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 20°C Trunk: 8 A  
 Drop: 4 A  
 Nominal voltage 300 V  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Splitters and Adapters

Part Number	Pins	Characteristics
0906 UTP 301	5	 

## 7/8"-Splitters/T-Connectors

0906 UTP 302

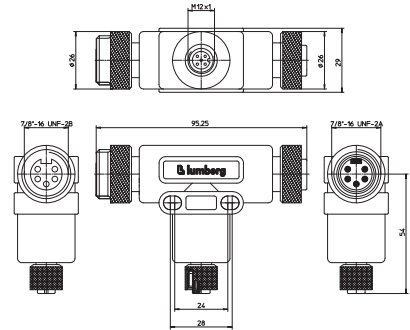


**1 x M12 Female to 1 x 7/8" Male to  
1 x 7/8" Female**

Splitter/T-connector, with one M12 female, one 7/8" male and one 7/8" female connectors, 5-poles.

– especially suitable for DeviceNet and CANopen modules with M12 bus connection –

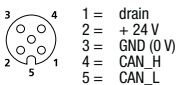
0906 UTP 302



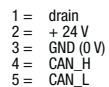
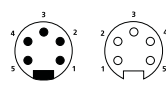
### Pin Assignments

#### Face Views

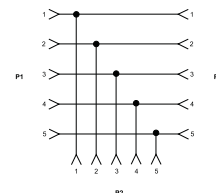
##### M12 - 5 poles



##### 7/8" - 5 poles



#### Wiring Diagram





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**7/8"-Splitters/T-Connectors**

0906 UTP 302

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)


**Mechanical**

Housing / Molded body TPU  
 Insert TPU  
 Contact CuZn, pre-nickel and gold-plated acc. to DeviceNet specification  
 Coupling nut Aluminum, brass, nicked (7/8")  
 CuZn, brass, nicked (M12)

**Electrical**

Nominal current Trunk: 8 A  
 Drop: 4 A  
 Nominal voltage 30 V AC / 36 V DC

Splitters and Adapters

Part Number	Pins	Characteristics
0906 UTP 302	5	 

## 7/8"-Splitters/T-Connectors

0906 UTP 303

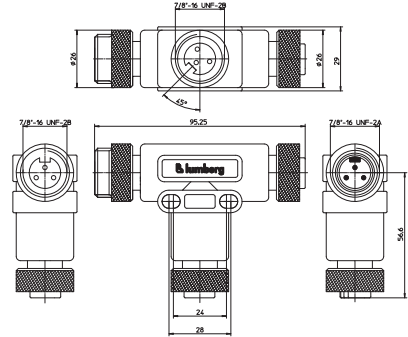


### 2 x 7/8" Female to 1 x 7/8" Male

Splitter/T-connector, with one 7/8" female, one 7/8" male and one 7/8" female connectors, 3-poles.

– especially suitable for DeviceNet and CANopen modules –

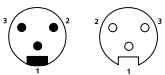
0906 UTP 303



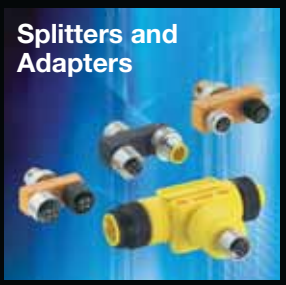
## Pin Assignments

### Face Views

#### 7/8" - 3 poles



- 1 = earth
- 2 = + 24 V
- 3 = GND (0 V)



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**7/8"-Splitters/T-Connectors**

0906 UTP 303

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body TPU  
 Insert TPU  
 Contact CuZn, gold over silver plating  
 Coupling nut Aluminum, black anodized

**Electrical**

Nominal current 8 A  
 Nominal voltage 600 V

Splitters and Adapters

Part Number	Pins	Characteristics
0906 UTP 303	3	



**7/8"-Splitters/T-Connectors**

0906 UTP 312

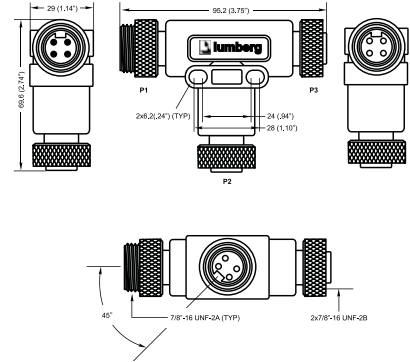


**7/8" Female to 1x7/8" Male and Female**

Splitter/T-connector, with one 7/8" female, one 7/8" male and one 7/8" female connectors, 4-poles.

– especially suitable for DeviceNet and CANopen modules –

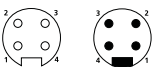
0906 UTP 301



**Pin Assignments**

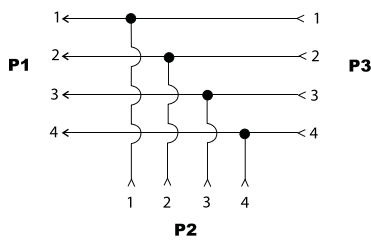
**Face Views**

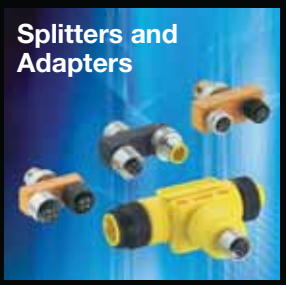
7/8 - 4 poles



P 2/3 P 1

**Wiring Diagram**





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**7/8"-Splitters/T-Connectors**

0906 UTP 312

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body TPU, yellow  
 Insert TPU, yellow  
 Contact CuZn, pre-nickel and gold-plated acc. to DeviceNet specification  
 Coupling nut Aluminum, black anodized

**Electrical**

Nominal current 8 A  
 Nominal voltage 600 V

Splitters and Adapters

Part Number	Pins	Characteristics
-------------	------	-----------------

0906 UTP 312	4	
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## M23-Splitters/T-Connectors

0906 UTP 201 | 0906 UTP 202

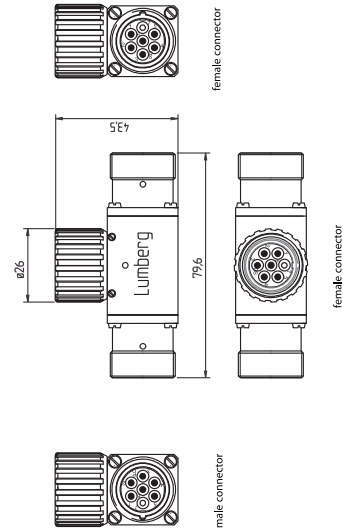


### M23 Male to 2xM23 Female

Splitter/T-connector, with one M23 male and two M23 female connectors, 6-poles.

– especially suitable for Profibus and Interbus modules –

### 0906 UTP 201

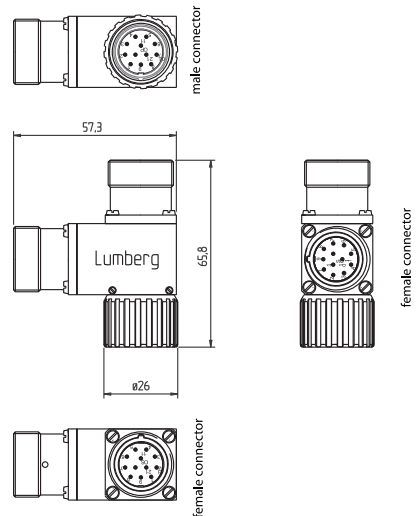


### M23 male to 2xM23 Female

Splitter/T-connector, with one M23 male, one and two M23 female connectors, 12-poles.

– especially suitable for Profibus modules with M23 bus connection for separate feeding of power supply (system/sensor system) and Profibus signals –

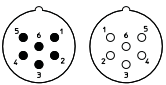
### 0906 UTP 202



## Pin Assignments

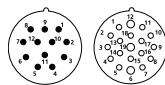
### Face Views

#### M23 - 6 poles



- 1 = earth
- 2 = + 24 V (1)
- 3 = GND (0 V) (1)
- 4 = + 24 V (2)
- 5 = GND (0 V) (2)
- 6 = n.c.

#### M23 - 12 poles



- 1 = n.c.
- 2 = Signal A
- 3 = n.c.
- 4 = Signal B
- 5 = n.c.
- 6 = n.c.
- 7 = + 24 V
- 8 = GND (0 V)
- 9 = earth
- 10 = n.c.
- 11 = n.c.
- 12 = n.c.



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**M23-Splitters/T-Connectors**

0906 UTP 201 | 0906 UTP 202

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +125°C (+257°F)


**Mechanical**

Housing Copper-Zinc alloy (CuZn),  
 die casting part of Zinc (GD-Zn)  
 Housing surface nickel-plated

**Electrical**

Nominal current UTP 201: 20 A  
 UTP 202: 8 A  
 Nominal voltage 50 V DC  
 Pollution degree 3

Splitters and Adapters

Part Number	Pins	Characteristics
0906 UTP 201	6	
0906 UTP 202	12	

## M23-Splitters/T-Connectors

0906 UTP 203 | 0906 UTP 204

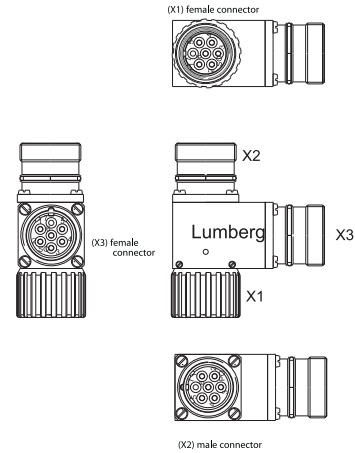


### M23 Male to 2xM23 Female

Splitter/T-connector for power supply with M23 male/female connector, 6 poles.

– especially suitable for the e2c 67 system to drag the power supply –

### 0906 UTP 203

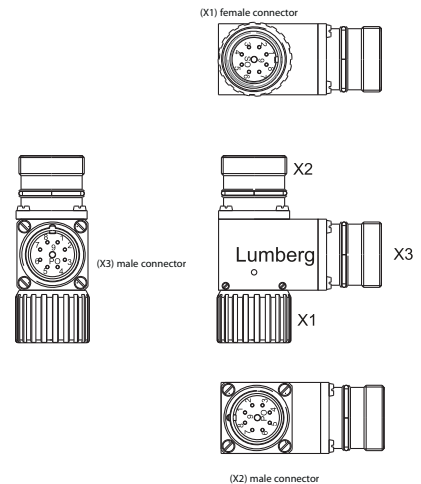


### M23 Female to 2xM23 Male

Splitter/T-connector for separate feeding of the power supply at installation remote bus modules with M23 male/female connector, 9 poles.

– especially suitable for Interbus installation remote bus modules–

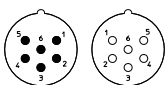
### 0906 UTP 204



## Pin Assignments

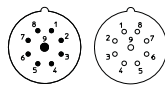
### Face Views

#### M23 - 6 poles



- 1 = earth
- 2 = + 24 V<sup>1</sup>
- 3 = GND (0 V)<sup>1</sup>
- 4 = + 24 V<sup>2</sup>
- 5 = GND (0 V)<sup>2</sup>
- 6 = n.c.
- housing = n.c.

#### M23 - 9 poles



- 1 = DQ
- 2 = DO
- 3 = DI
- 4 = DI
- 5 = COM
- 6 = earth
- 7 = + 24 V
- 8 = GND (0 V)
- 9 = n.c.
- housing = n.c.

<sup>1</sup> = Profibus: actuator 1  
Interbus: actuator

<sup>2</sup> = Profibus: actuator 2  
Interbus: system



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**M23-Splitters/T-Connectors**

0906 UTP 203 | 0906 UTP 204

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +125°C (+257°F)


**Mechanical**

Housing Copper-Zinc alloy (CuZn),  
 die casting part of Zinc (GD-Zn)  
 Housing surface nickel-plated

**Electrical**

Nominal current UTP 203: 20 A  
 UTP 204: 8 x 8 A / 1 x 20 A  
 Nominal voltage 50 V DC  
 Pollution degree 3

Splitters and Adapters

Part Number	Pins	Characteristics
0906 UTP 203	6	 
0906 UTP 204	9	 