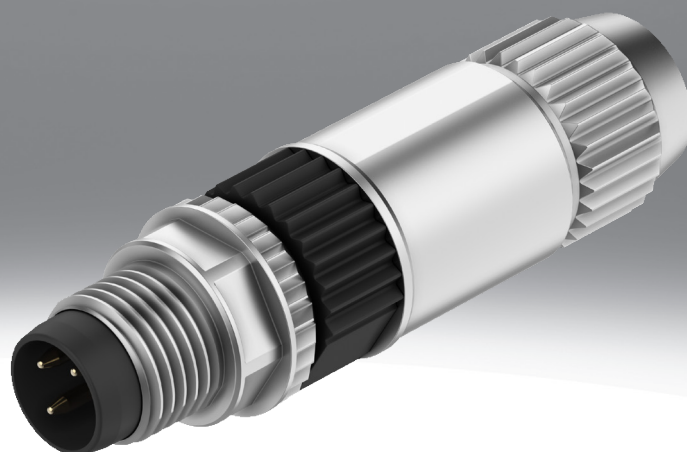


Plug connector NECU

FESTO



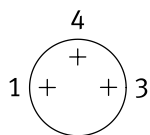
Type code

001	Series	
NECU	Push-in connector	
002	Product version	
	Standard	
M	Mainly metal	
003	Type of connector	
	Socket	
S	Plug	
004	Connection technology 1	
B12	M12, B-coded	
D12	M12, D-coded	
EC	EC plug connector	
FC	Flat cable	
G78	G7/8	
L3	PCB plug connector with 5 m grid dimension	
M8	M8x1, A-coded to EN 61076-2-104	
M12	M12x1, A-coded to EN 61076-2-101	
PP	Push-pull	
S1	Sub-D	
005	Cable outlet right	
G	Straight	
W	Angled	
006	Socket/plug connection pattern	
3	3-pin	
4	4-pin	
5	5-pin	
7	7-pin	
8	8-pin	
9	9-pin	
40	40-pin	

007	Connection technology 2	
	Standard	
C1	Spring-loaded terminal	
C2	Screw terminal	
HX	Insulation displacement connector	
P1	Cable connector Pg 7	
P2	Cable connector Pg 9	
008	Additional features	
	None	
A	Connectable terminating resistor	
009	Connection technology	
	Standard	
K	Insulation displacement connector technology	
010	Bus protocol/activation	
	None	
CO	CANopen	
ET	EtherNet	
PB	Profibus DP	
PN	Profinet	
011	Wire cross section [mm²]	
	Standard	
Q3	0.14	
Q6	0.5	
Q7	0.75	
012	Type of ignition protection	
	None	
IS	Intrinsic safety	

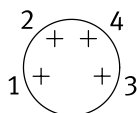
Datasheet

General technical data, plug, M8, 3-pin



Wire cross section [mm²]	Standard	0.14
Electrical connection	3-pin M8x1 Straight plug/insulation displacement connector	
Operational voltage range DC	0 ... 32 V	
Operational voltage range AC	0 ... 32 V	
Immunity to surge	0.8 kV	
Current rating at 40° C	4 A	2 A
Based on standard	EN 61076-2-104 EN 61984	
Permissible cable diameter	2.5 ... 5.1 mm	2.1 ... 3.5 mm
Individual wire diameter	≥0.1 mm	≥0.05 mm
Connection cross section	0.14 ... 0.34 mm²	0.1 ... 0.14 mm²
Wire diameter	0.9 ... 1.6 mm	0.6 ... 1 mm
Permissible insulating sheath	PP PVC TPE-E	PP PVC
Frequency of connection	3	
Degree of protection	IP65 IP67	

General technical data, socket, M8, 4-pin



Electrical connection	4-pin M8x1 Straight plug/insulation displacement connector	
Operational voltage range DC	0 ... 32 V	
Operational voltage range AC	0 ... 32 V	
Immunity to surge	0.8 kV	
Current rating at 40° C	4 A	
Based on standard	EN 61076-2-104 EN 61984	
Permissible cable diameter	2.5 ... 5.1 mm	
Individual wire diameter	≥0.1 mm	
Connection cross section	0.14 ... 0.34 mm²	
Wire diameter	0.9 ... 1.6 mm	
Permissible insulating sheath	PP PVC TPE-E	
Frequency of connection	3	
Degree of protection	IP65 IP67	

Datasheet

Materials, plug, M8

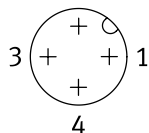
Socket/plug connection pattern	3-pin	4-pin
Material housing	PA, Die-cast zinc, nickel-plated	
Material screw-type lock	Brass, nickel-plated	
Material seals	Fluoro rubber, PUR	
Material electrical contact	Gold-plated	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operating and environmental conditions, plug, M8

Socket/plug connection pattern	3-pin	4-pin
Ambient temperature	-25 ... 85°C	
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress	
Pollution degree	3	
Approval	c UL us - Recognised (Oil)	

1) More information www.festo.com/x/topic/crc

General technical data, plug, M12, 3-pin



Electrical connection	3-pin A-coded M12x1 Straight plug/insulation displacement connector
Operational voltage range DC	0 ... 32 V
Operational voltage range AC	0 ... 32 V
Immunity to surge	0.8 kV
Current rating at 40° C	4 A
Based on standard	EN 61076-2-101, EN 61984
Permissible cable diameter	2.9 ... 5.1 mm
Individual wire diameter	≥0.1 mm
Connection cross section	0.14 ... 0.34 mm²
Wire diameter	0.9 ... 1.6 mm
Permissible insulating sheath	PP PVC TPE-E
Frequency of connection	3
Degree of protection	IP65 IP67

Materials, plug, M12, 3-pin

Material housing	PA Die-cast zinc nickel-plated
Material screw-type lock	Nickel-plated die-cast zinc
Material seals	Fluoro rubber PUR
Material electrical contact	Gold-plated
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

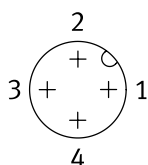
Datasheet

Operating and environmental conditions, plug, M12, 3-pin

Ambient temperature	-25 ... 85°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Pollution degree	3
Approval	c UL us - Recognised (Oil)

1) More information www.festo.com/x/topic/crc

General technical data, plugs, M12, 4-pin, A-coded



Connection technology 2	Standard	Insulation displacement connector	Cable connector Pg 7	Cable connector Pg 9
Electrical connection	4-pin Spring-loaded terminal M12x1 Straight plug	4-pin A-coded M12x1 Straight plug/insulation displacement connector	–	
Operational voltage range DC	0 ... 30 V	0 ... 48 V	0 ... 30 V	
Operational voltage range AC	–	0 ... 48 V	–	
Immunity to surge	2.5 kV	0.8 kV	2.5 kV	
Current rating at 40° C	4 A	4 ... 6 A	4 A	
Based on standard	EN 61076-2-101 EN 61984			
Permissible cable diameter	4 ... 8 mm	2.9 ... 6 mm	2.5 ... 6 mm	6 ... 8 mm
Individual wire diameter	–	≥0.1 mm	–	
Connection cross section	0.14 ... 0.75 mm²			0.75 mm²
Wire diameter	–	0.9 ... 2 mm	–	
Permissible insulating sheath	–	PP PVC TPE-E	–	
Frequency of connection	50	3	50	
Degree of protection	IP65 IP67			

General technical data, plug, M12, 4-pin, D-coded

Electrical connection	–
Operational voltage range DC	0 ... 250 V
Operational voltage range AC	0 ... 250 V
Immunity to surge	2.5 kV
Current rating at 40° C	–
Based on standard	EN 61076-2-101 EN 61984
Permissible cable diameter	6 ... 8 mm
Individual wire diameter	–
Connection cross section	0.14 ... 0.75 mm²
Permissible insulating sheath	–
Frequency of connection	–
Degree of protection	IP67

Datasheet

Materials, plug, M12, 4-pin

Connection technology 2	Standard	Insulation displacement connector
Material housing	Die-cast zinc nickel-plated	PA Die-cast zinc nickel-plated
Material screw-type lock	–	Nickel-plated die-cast zinc
Material seals	–	Fluoro rubber PUR
Material electrical contact	Bronze, Gold-plated	Gold-plated
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operating and environmental conditions, plug, M12, 4-pin

Connection technology 2	Standard	Insulation displacement connector
Ambient temperature	-40 ... 85°C	-25 ... 85°C
Corrosion resistance class CRC ¹⁾	0 - No corrosion stress	1 - Low corrosion stress
Pollution degree	3	
Approval	–	c UL us - Recognised (Oil)

1) More information www.festo.com/x/topic/crc

General technical data, plug, M12, 5-pin

Electrical connection 1	Straight plug connector, M12x1, 5-pin, B-coded, screenable	
Electrical connection 2	Screw terminal, can be shielded	
Plug encoding	B	
Operational voltage range DC	0 ... 60 V	
Operational voltage range AC	0 ... 60 V	
Immunity to surge	1.5 kV	
Current rating at 40° C	4 A	
Based on standard	EN 61076-2-101 EN 61984	
Transmission characteristics	DIN EN 50173/CAT 5	
Permissible cable diameter	6 ... 8 mm	
Connection cross section	0.14 ... 0.75 mm ²	
Degree of protection	IP67	

Materials, plug, M12, 5-pin

Material housing	Die-cast zinc, nickel-plated	
Material electrical contact	Brass, Gold-plated	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operation and environmental conditions, socket, M12, 5-pin

Ambient temperature	-25 ... 85°C	
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress	
Pollution degree	3	
CE mark (see declaration of conformity) ²⁾	To EU Low Voltage Directive	

1) More information www.festo.com/x/topic/crc

2) More information www.festo.com/catalogue/... → Support/Downloads.

Datasheet

General technical data, plug, square, 4-pin

Electrical connection	4-pin, Straight plug/insulation displacement connector, Square design
Operational voltage range DC	0 ... 30 V
Immunity to surge	0.8 kV
Current rating at 40° C	3 A
Individual wire diameter	≥0.07 mm
Connection cross section	0.14 mm ²
Wire diameter	0.8 ... 1 mm
Permissible insulating sheath	PP PVC TPE-E
Frequency of connection	1
Type of mounting	Latching
Degree of protection	IP40

Materials, plug, square, 4-pin

Material housing	PBT Makrolon®
Material electrical contact	Gold-plated
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Operating and environmental conditions, plug, square, 4-pin

Ambient temperature	-20 ... 60°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Pollution degree	2
Approval	c UL us - Recognised (Oil)

1) More information www.festo.com/x/topic/crc

General technical data, plug, terminal strip, 7-pin

Electrical connection	7-pin Spring-loaded terminal Straight plug
Operational voltage range DC	0 ... 30 V
Immunity to surge	4 kV
Current rating at 40° C	12 A
Connection cross section	0.2 ... 2.5 mm ²
Frequency of connection	100

Materials, plug, terminal strip, 7-pin

Material housing	PA
Material electrical contact	Copper alloy, Tin-plated
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and environmental conditions, plug, terminal strip, 7-pin

Ambient temperature	-40 ... 85°C
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress
Pollution degree	3
Approval	c UL us - Listed (Oil)

1) More information www.festo.com/x/topic/crc

Datasheet

General technical data, plug, terminal strip, 8-pin

Connection technology 2	Spring-loaded terminal	Screw terminal
Electrical connection	8-pin Spring-loaded terminal Straight plug	8-pin Screw terminal Straight plug
Operational voltage range DC	0 ... 30 V	
Immunity to surge	4 kV	
Current rating at 40° C	12 A	
Connection cross section	0.2 ... 2.5 mm ²	
Frequency of connection	100	
Max. tightening torque of locking clip	–	0.6 Nm

Materials, plug, terminal strip, 8-pin

Material housing	PA	
Material electrical contact	Copper alloy, Tin-plated	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operating and environmental conditions, plug, terminal strip, 8-pin

Ambient temperature	-40 ... 85°C	
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress	
Pollution degree	3	

1) More information www.festo.com/x/topic/crc

General technical data, plug, Sub-D, 9-pin

Electrical connection 1	Sub-D plug, 9-pin	
Electrical connection 2	IDC terminal	
Baud rate	12 Mbit/s	
Permissible cable diameter	8 mm	
Connection cross section	0.64 mm ²	
Type of mounting	4-40 UNC-2B	
Degree of protection	IP20	

Materials, plug, Sub-D, 9-pin

Material housing	Metallised plastic	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operation and environmental conditions, plug, Sub-D, 9-pin

Ambient temperature	-25 ... 60°C	
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress	
Relative air humidity	75% at 25°C	

1) More information www.festo.com/x/topic/crc

Datasheet

General technical data, socket FBSD, M12, 4-pin

Electrical connection	4-pin Straight socket/screw terminal Type A M12x1
Type of mounting	With union nut
Operational voltage range DC	≤250 V
Operational voltage range AC	≤250 V
Immunity to surge	2.5 kV
Current rating at 40° C	4 A
Based on standard	EN 61076-2-101 EN 61984
Permissible cable diameter	10 ... 12 mm
Connection cross section	0.75 mm ²
Cable fitting	Pg13.5
Degree of protection	IP67

Materials, socket FBSD, M12, 4-pin

Material housing	Reinforced PA
Housing colour	Black
Material electrical contact	Bronze Coated white bronze
Material union nut	Die-cast zinc, nickel-plated
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operation and environmental conditions, socket FBSD, M12, 4-pin

Ambient temperature	-40 ... 85°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Pollution degree	3
CE mark (see declaration of conformity) ²⁾	To EU Low Voltage Directive
UKCA marking (see declaration of conformity) ³⁾	To UK regulations for electrical equipment

1) More information www.festo.com/x/topic/crc

2) More information www.festo.com/catalogue/... → Support/Downloads.

3) More information www.festo.com/catalogue/... → Support/Downloads.

General technical data, socket, push-pull, M12, 5-pin

Electrical connection 1	Straight socket, M12x1, 5-pin, B-coded, screenable
Electrical connection 2	Screw terminal, can be shielded
Plug encoding	B
Operational voltage range DC	0 ... 125 V
Operational voltage range AC	0 ... 125 V
Immunity to surge	1.5 kV
Current rating at 40° C	4 A
Based on standard	EN 61076-2-101 EN 61984
Transmission characteristics	DIN EN 50173/CAT 5
Permissible cable diameter	6 ... 8 mm
Connection cross section	0.14 ... 0.75 mm ²
Degree of protection	IP67

Materials, socket, M12, 5-pin

Material housing	Die-cast zinc, nickel-plated
Material electrical contact	Brass, Gold-plated
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Datasheet

Operation and environmental conditions, socket, M12, 5-pin

Ambient temperature	-25 ... 85°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Pollution degree	3
CE mark (see declaration of conformity) ²⁾	To EU Low Voltage Directive

1) More information www.festo.com/x/topic/crc

2) More information www.festo.com/catalogue/... → Support/Downloads.

General technical data, socket, 7/8"

Socket/plug connection pattern	4-pin	5-pin
Electrical connection 1	Straight socket, 7/8", 4-pin	Straight socket, 7/8", 5-pin
Electrical connection 2	Screw terminal	
Plug encoding	ODVA AutoSIG	NFPA/T3.5.29 R1-2003
Operational voltage range DC	0 ... 250 V	
Operational voltage range AC	0 ... 250 V	
Immunity to surge	2.5 kV	
Permissible current load	—	8 A
Current rating at 40° C	10 A	—
Based on standard	EN 61984	
Permissible cable diameter	6 ... 12 mm	
Connection cross section	≤1.5 mm ²	
Degree of protection	IP67	

Materials, socket, 7/8"

Socket/plug connection pattern	4-pin	5-pin
Material housing	PA	
Housing colour	Black	
Material seals	Fluoro rubber NBR	
Material electrical contact	Gold-plated copper alloy	
Material union nut	Nickel-plated die-cast zinc	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

Operating and environmental conditions, socket, 7/8"

Socket/plug connection pattern	4-pin	5-pin
Ambient temperature	-25 ... 80°C	
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress	
Pollution degree	3	
CE mark (see declaration of conformity) ²⁾	To EU Low Voltage Directive	
UKCA marking (see declaration of conformity) ³⁾	To UK regulations for electrical equipment	
Approval	c CSA us (OL)	

1) More information www.festo.com/x/topic/crc

2) More information www.festo.com/catalogue/... → Support/Downloads.

3) More information www.festo.com/catalogue/... → Support/Downloads.

Datasheet

General technical data, socket, push-pull, 5-pin

Protocol	PROFINET
Additional functions	Fulfil requirements according to AIDA
Electrical connection 1, connection type	Socket
Electrical connection 1, design	Square
Electrical connection 1, connector system	Connection pattern PP, coding on pins 2 and 5
Electrical connection 1, number of connections/cores	5
Electrical connection 1, used connections/cores	5
Electrical connection 1, type of mounting	Push-pull with interlock against unintentional pulling
Electrical connection 2, connector system	Spring-loaded terminal
Cable outlet	Straight
Operational voltage range DC	0 ... 24 V
Immunity to surge	4 kV
Current rating at 40° C	16 A
Cable diameter	9 ... 13 mm
Nominal cross section conductor	0.75 ... 2.5 mm ²
Cable fitting	Pg13.5, hex, AF22
Frequency of connection	100
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Product weight	109 g

Materials, socket, push-pull, 5-pin

Material housing	Nickel-plated die-cast zinc
Housing colour	Silver
Material seals	NBR TPE-V
Material electrical contact	Nickel-plated and gold-plated copper alloy
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operation and environmental conditions, socket, push-pull, 5-pin

Ambient temperature	-40 ... 85°C
Storage temperature	-40 ... 85°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Pollution degree	3
Approval	c UL us - Recognised (Oil)
Certificate issuing authority	UL E328433
Fire test	UL94 V-0

1) More information www.festo.com/x/topic/crc

General technical data, socket, Sub-D, 9-pin

Electrical connection 1	Socket, sub-D, 9-pin
Electrical connection 2	Screw terminal, can be shielded
Baud rate	1 Mbit/s
Permissible cable diameter	8 mm
Connection cross section	0.14 ... 0.5 mm ²
Type of mounting	4-40 UNC-2B
Degree of protection	IP20

Datasheet

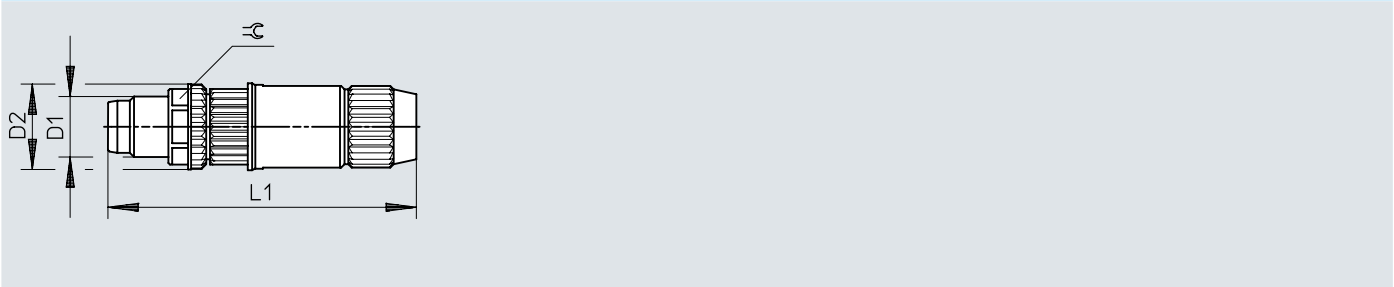
Materials, socket, Sub-D, 9-pin	
Material housing	Reinforced PC
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operation and environmental conditions, socket, Sub-D, 9-pin	
Ambient temperature	-20 ... 70°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Relative air humidity	75% at 25°C

1) More information www.festo.com/x/topic/crc

Dimensions

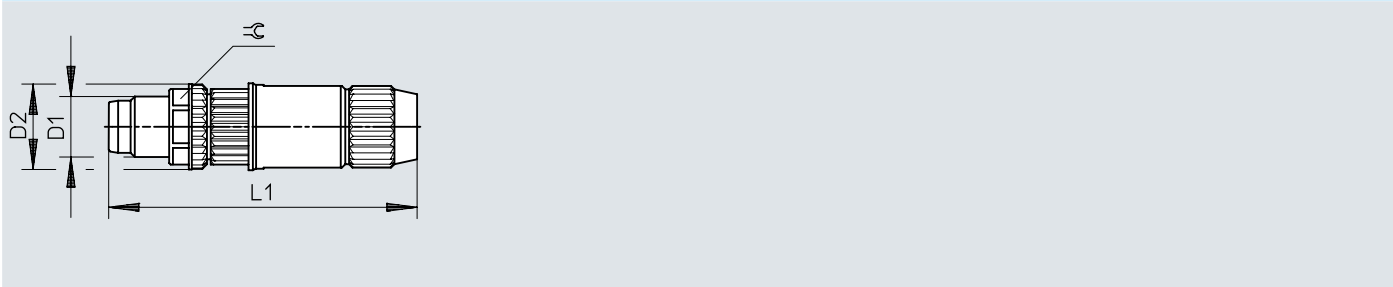
Dimensions – Plug M8, 3-pin Download CAD data www.festo.com



	D1	D2	L1	⌀
NECU-S-M8G	M8x1	11,5	40,8	9

Dimensions

Dimensions – Plug NECU-S-M8G4-HX Download CAD data www.festo.com

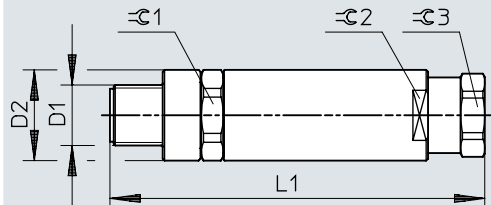


	D1	D2	L1	⌀
NECU-S-M8G4-HX	M8x1	11,5	40,8	9

Dimensions

Dimensions – Plug NECU-S-M8G4-C2

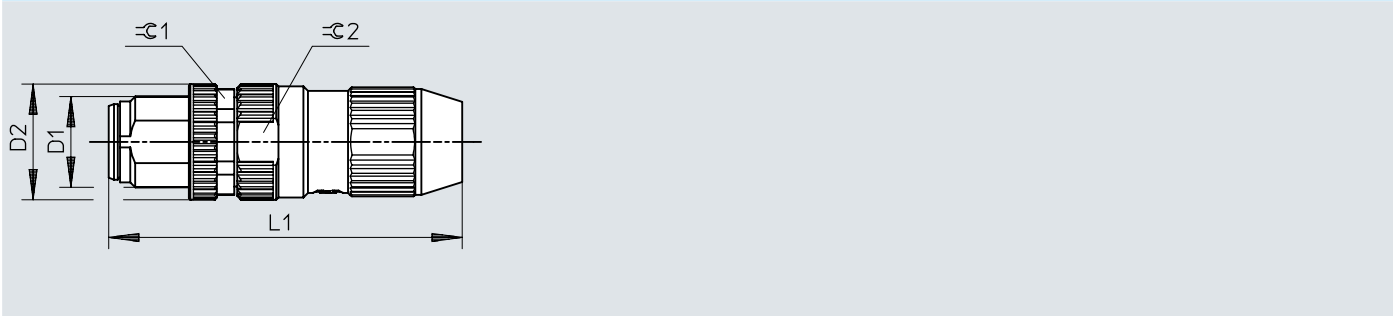
Download CAD data www.festo.com



	D1	D2	L1	⌀ 1	⌀ 2	⌀ 3
NECU-S-M8G4-C2	M8x1	12	49,6	12	11	10

Dimensions

Dimensions – Plug NECU-S-M12G3-HX [Download CAD data](#) www.festo.com

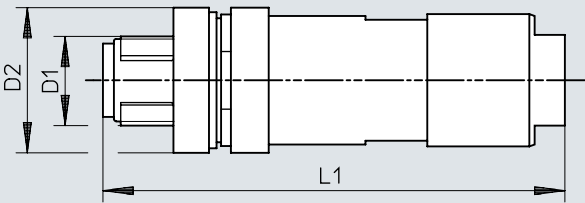


	D1	D2	L1	$\varnothing 1$	$\varnothing 2$
NECU-S-M12G3-HX	M12x1	15,3	46,75	13	14

Dimensions

Dimensions – Plug NECU-M-S-A12G4-IS

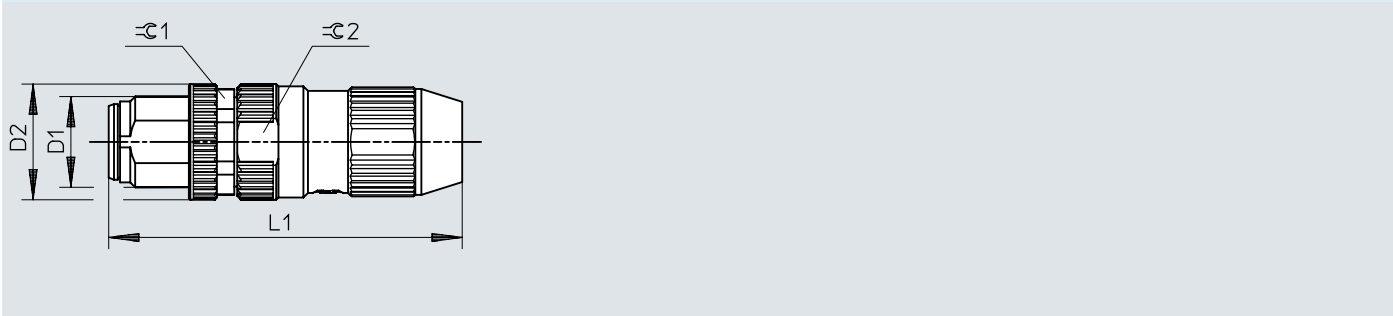
Download CAD data www.festo.com



	D1	D2	L1
NECU-M-S-A12G4-IS	M12x1	19,2	61,1

Dimensions

Dimensions – Plug NECU-S-M12G4-HX [Download CAD data](#) www.festo.com

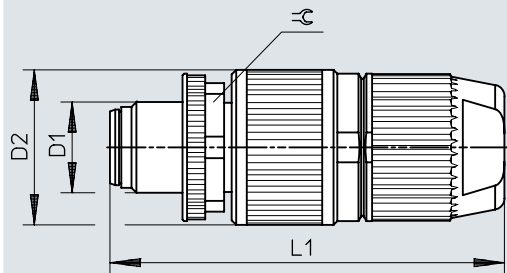


	D1	D2	L1	⌀1	⌀2
NECU-S-M12G4-HX	M12x1	15,3	46,75	13	14

Dimensions

Dimensions – Plug NECU-S-M12G4-HX-Q7

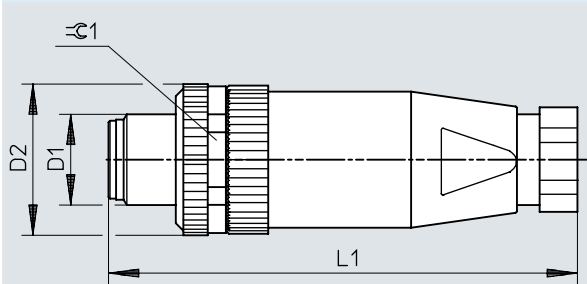
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	D1	D2	L1	⌀
NECU-S-M12G4-HX-Q7	M12x1	20,5	52,2	17

Dimensions

Dimensions – Plug NECU-S-M12G4-P1 [Download CAD data](http://www.festo.com) www.festo.com

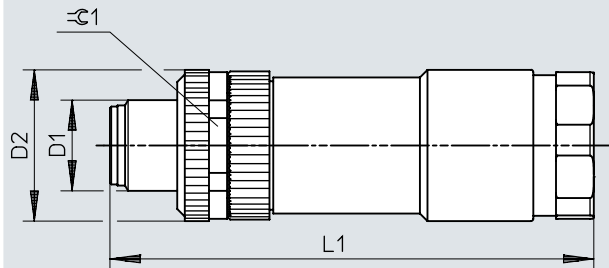


	D1	D2	L1
NECU-S-M12G4-P1	M12x1	20	62

Dimensions

Dimensions – Plug NECU-S-M12G4-D

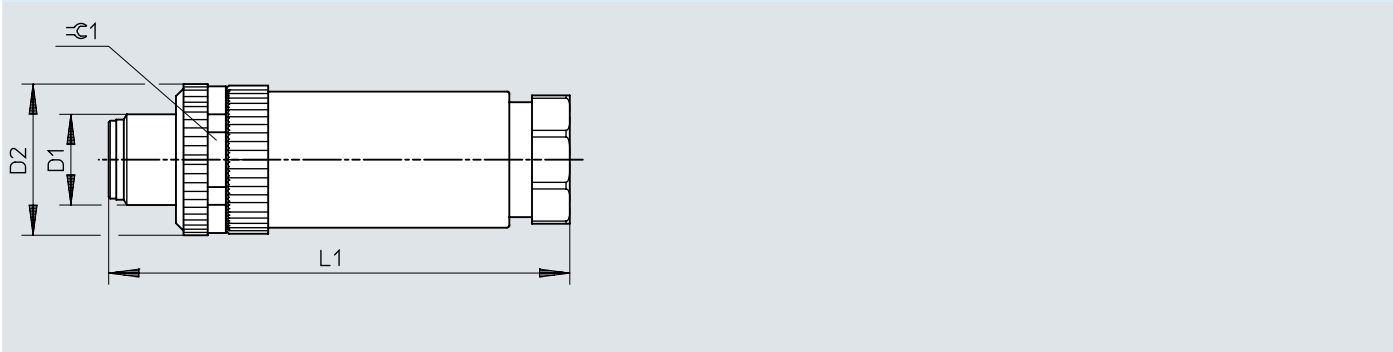
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	D1	D2	L1
NECU-S-M12G4-D	M12x1	20	62,6

Dimensions

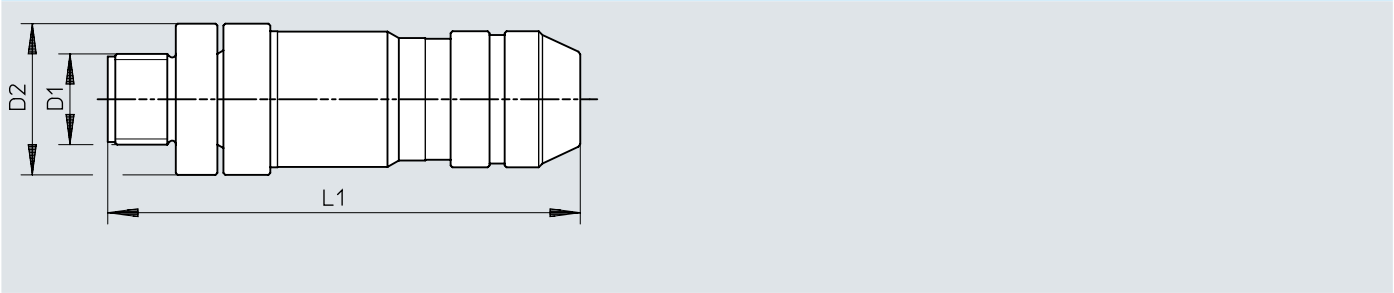
Dimensions – Plug NECU-S-M12G4-P2 [Download CAD data](http://www.festo.com)



	D1	D2	L1
NECU-S-M12G4-P2	M12x1	20	59,6

Dimensions

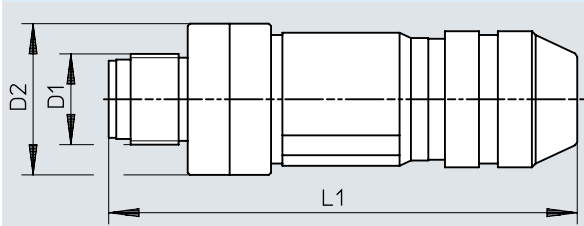
Dimensions – Plug NECU-M-S-D12G4-C2-ET [Download CAD data](#) www.festo.com



	D1	D2	L1
NECU-M-S-D12G4-C2-ET	M12x1	20	62,5

Dimensions

Dimensions – Plug NECU-M-S-B12G5 [Download CAD data](#) www.festo.com

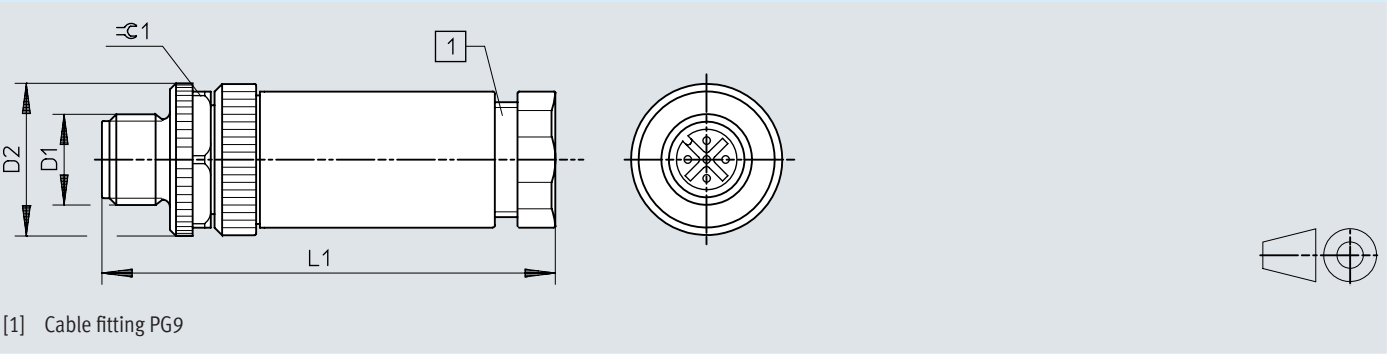


	D1	D2	L1
NECU-M-S-B12G5	M12	20	62,5

Dimensions

Dimensions – Plug FBS-M12-5GS

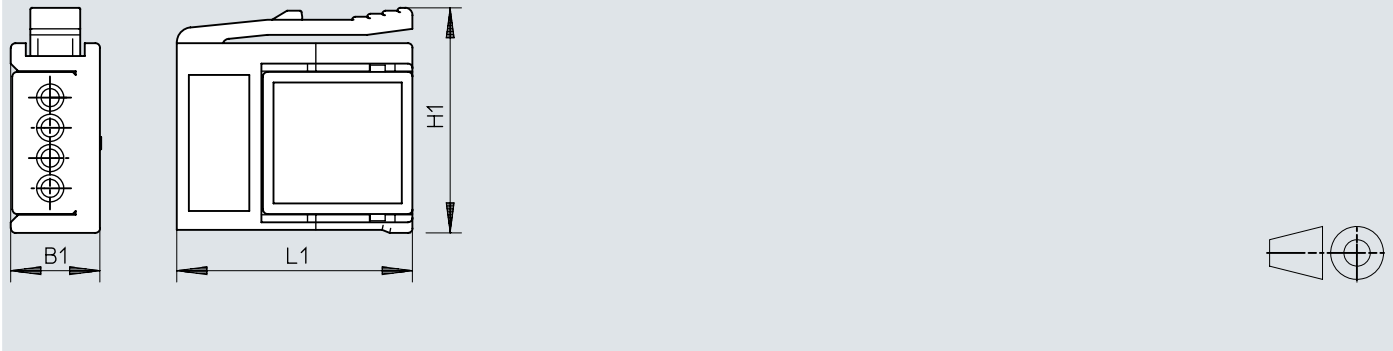
Download CAD data www.festo.com



	D1	D2 ø	L1	≅1
FBS-M12-5GS-PG9	M12x1	20,2	~60	18

Dimensions

Dimensions – Plug, square design, 4-pin, straight Download CAD data www.festo.com

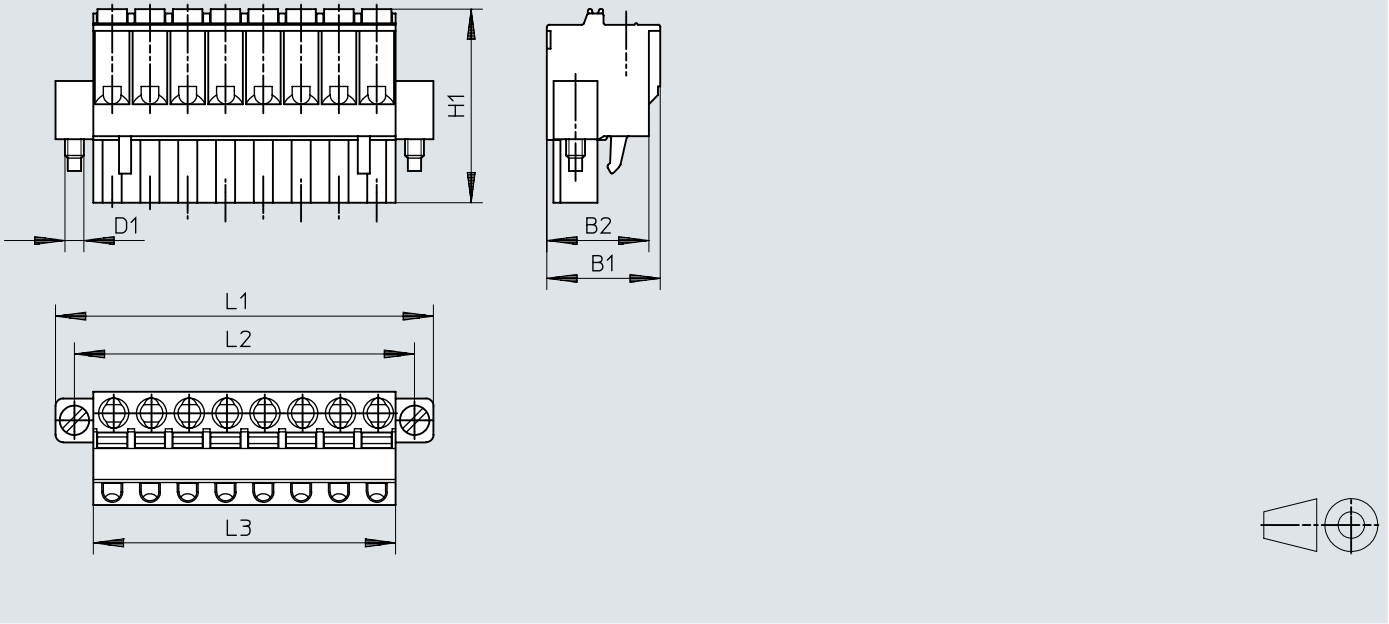


	B1	H1	L1
NECU-S-ECG4	5,9	14,9	15,6

Dimensions

Dimensions – Plug NECU-L3G8-C1, 8-pin, straight

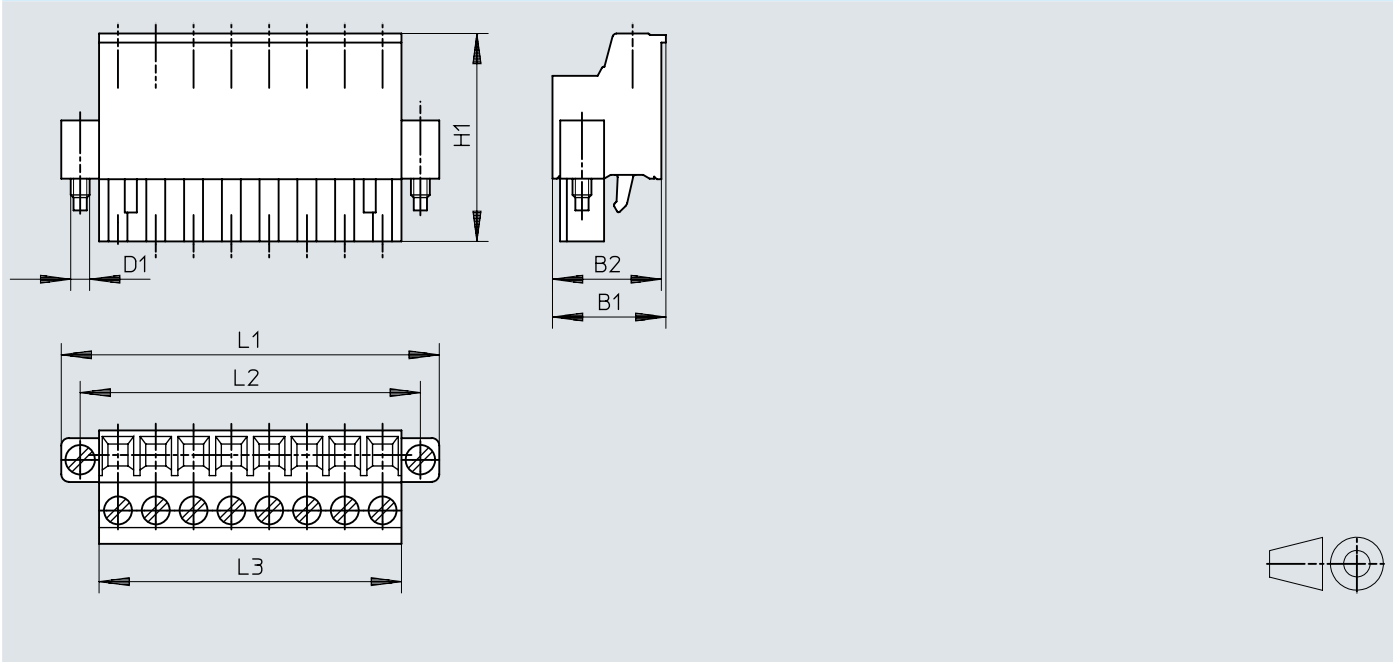
Download CAD data www.festo.com



	B1	B2	D1	H1	L1	L2	L3
NECU-L3G8-C1	15	13,5	M2,5	25,6	50	45	40

Dimensions

Dimensions – Plug NECU-L3G8-C2, 8-pin, straight Download CAD data www.festo.com

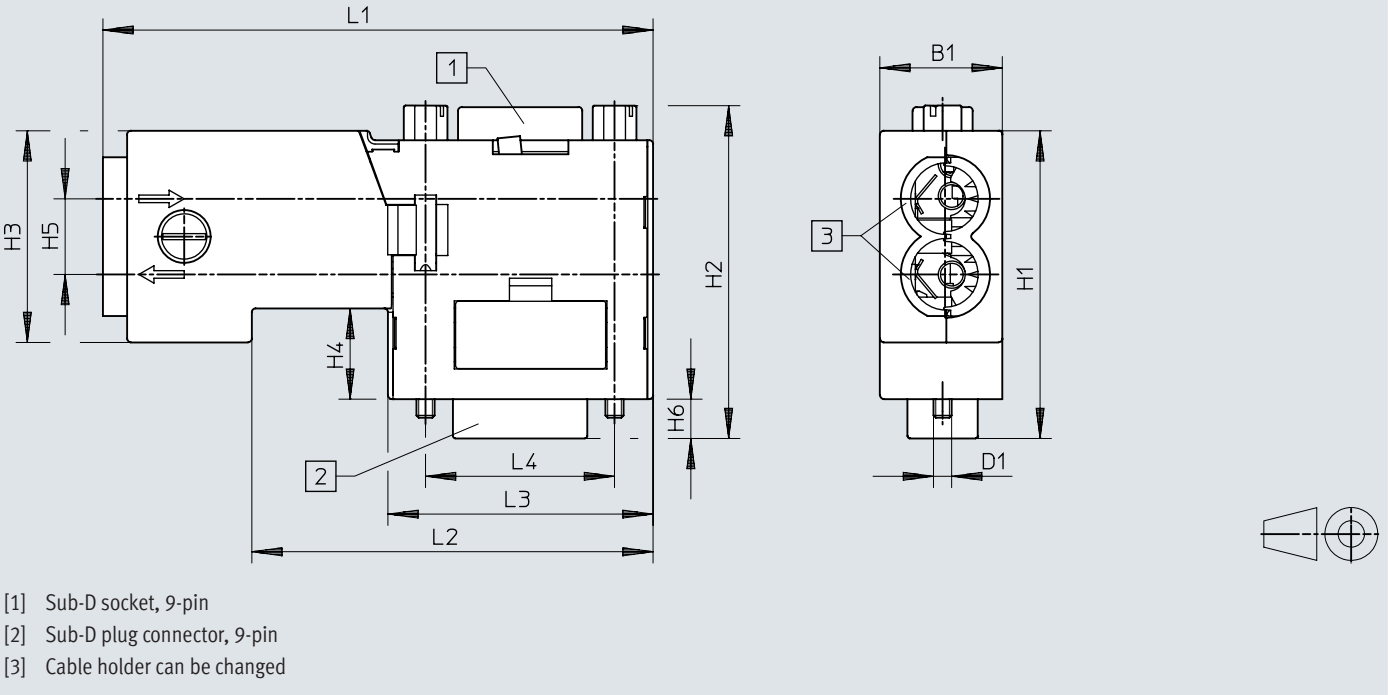


	B1	B2	D1	H1	L1	L2	L3
NECU-L3G8-C2	15	14,4	M2,5	27,5	50	45	40

Dimensions

Dimensions – Plug NECU-S1W9-C2-APB, 9-pin

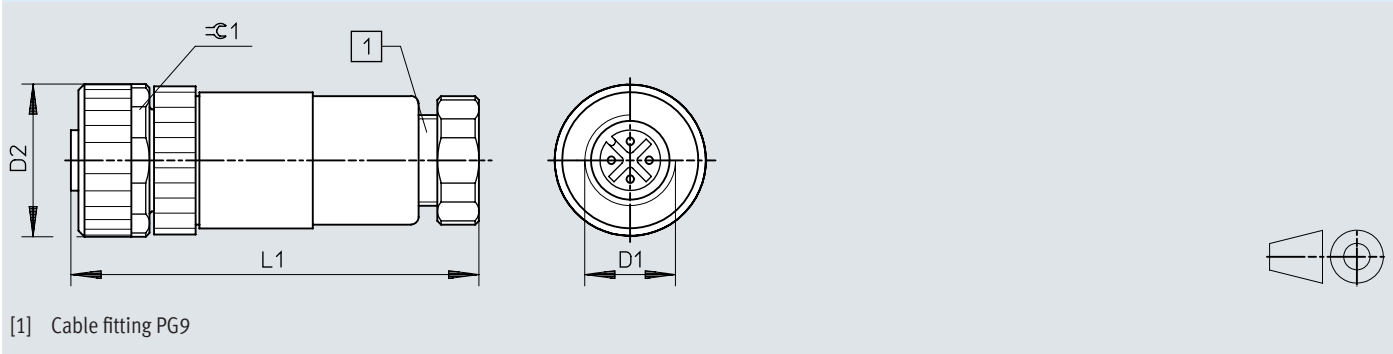
Download CAD data www.festo.com



	B1	D1	H1	H2	H3	H4	H5	H6	L1	L2	L3	L4
NECU-S1W9-C2-APB	16,2	4-40UNC	40,7	44,2	28	12	10	5,2	72,8	53,1	35,1	25

Dimensions

Dimensions – Socket FBSD-GD-9, M12x1, 4-pin Download CAD data www.festo.com

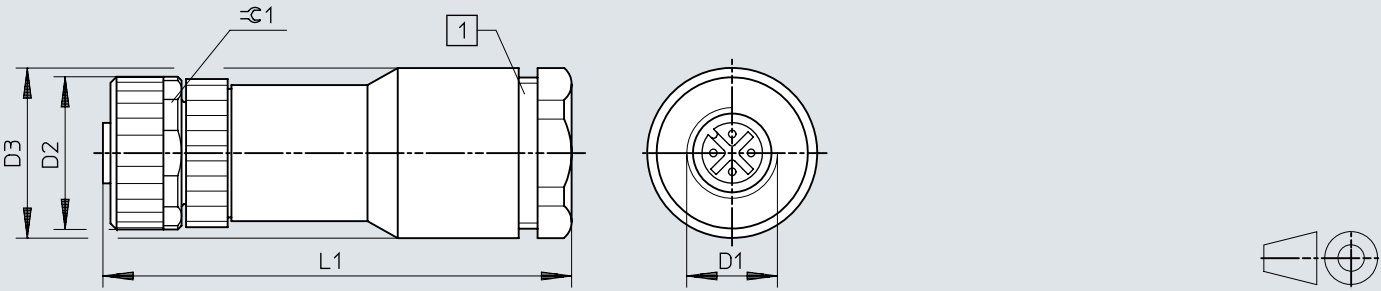


	D1	D2 ø	L1	⌀1
FBSD-GD-9	M12x1	20,2	54	18

Dimensions

Dimensions – Socket FBSD-GD-13.5, M12x1, 4-pin

Download CAD data www.festo.com

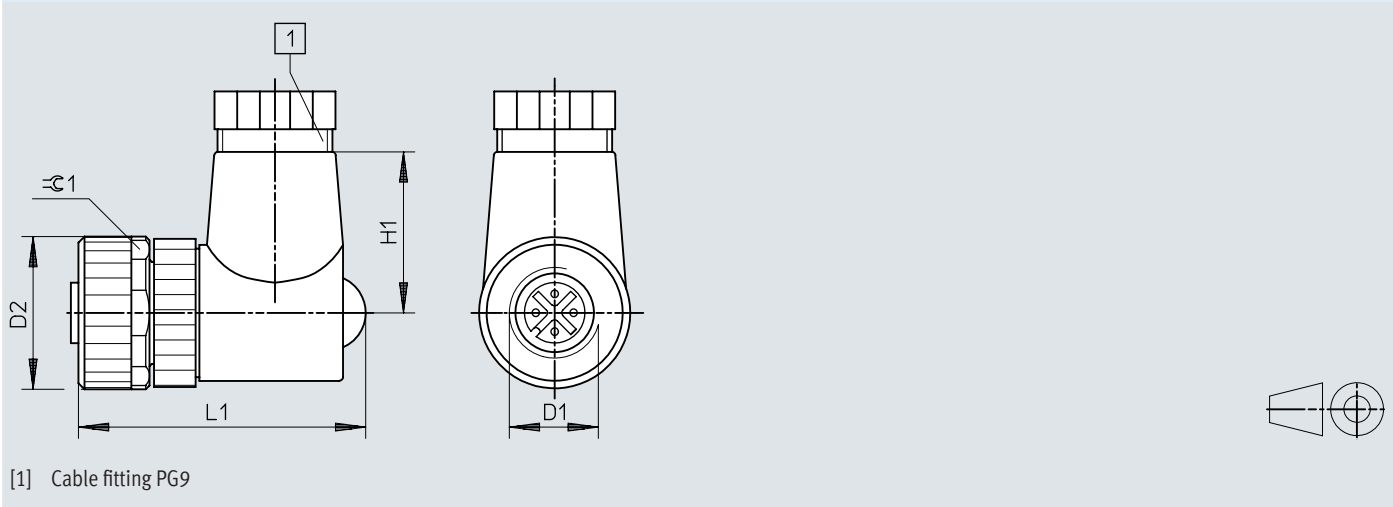


[1] Cable fitting PG13.5

	D1	D2 Ø	D3 Ø	L1	≈G1
FBSD-GD-13,5	M12x1	20,2	22,5	~62	18

Dimensions

Dimensions – Socket FBSD-WD-9, M12x1, 4-pin Download CAD data www.festo.com

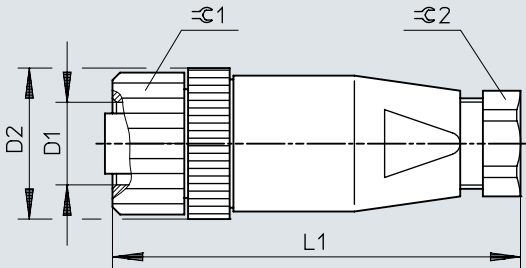


	D1	D2 Ø	H1	L1	$\varnothing 1$
FBSD-WD-9	M12x1	20,2	21,3	38	18

Dimensions

Dimensions – Socket SIE-GD, M12x1, 4-pin

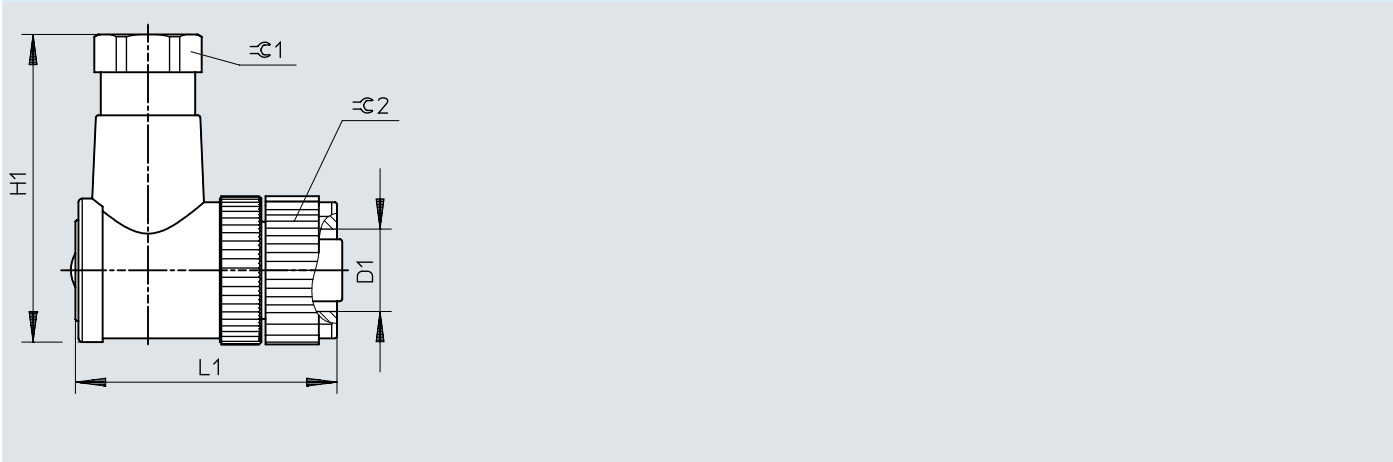
Download CAD data www.festo.com



	D1	D2	L1	$\varnothing 1$	$\varnothing 2$
SIE-GD	M12x1	20	58	18	13

Dimensions

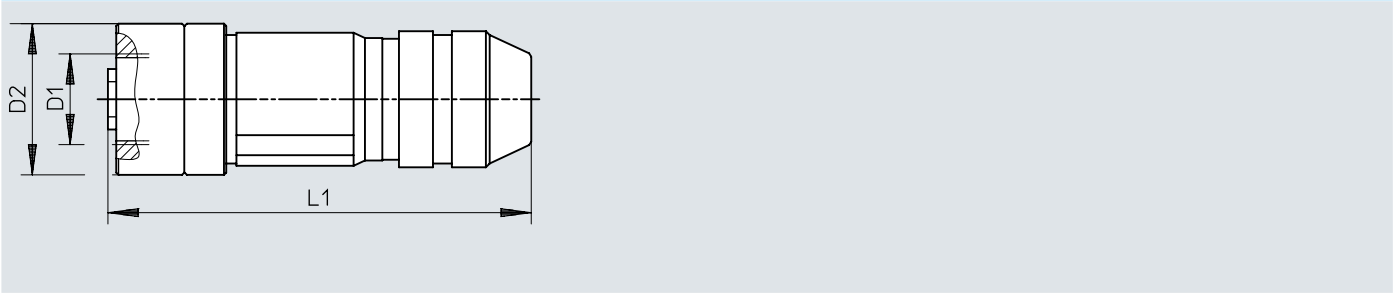
Dimensions – Socket SIE-WD-TR, M12x1, 4-pin Download CAD data www.festo.com



	D1	H1	L1	≡C1	≡C2
SIE-WD-TR	M12x1	38	35	13	18

Dimensions

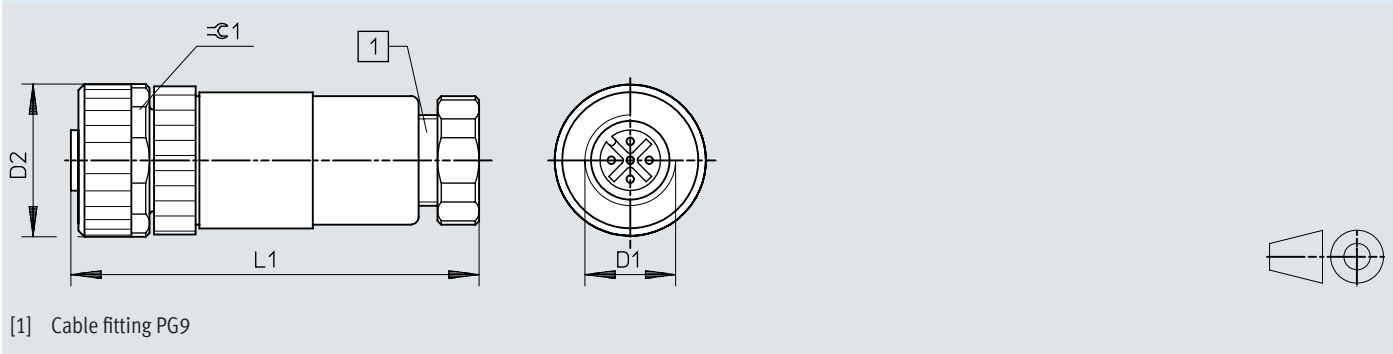
Dimensions – Socket NECU-M-B12G5, M12x1, 5-pin, straight Download CAD data www.festo.com



	D1	D2	L1
NECU-M-B12G5	M12	20	56

Dimensions

Dimensions – Socket FBSD-GD-9-5POL, M12x1, 5-pin, straight Download CAD data www.festo.com

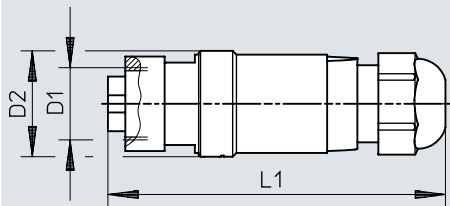


	D1	D2 ø	L1	⌀1
FBSD-GD-9-5POL	M12x1	20,2	54	18

Dimensions

Dimensions – Socket NECU-G78G4-C2, 4-pin, straight

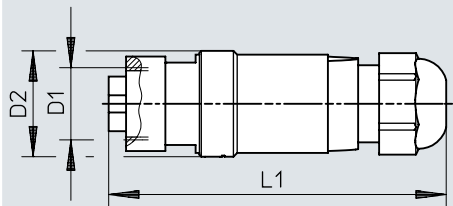
Download CAD data www.festo.com



	D1	D2	L1
NECU-G78G4-C2	7/8"	28	89

Dimensions

Dimensions – Socket NECU-G78G5-C2, 5-pin, straight Download CAD data www.festo.com

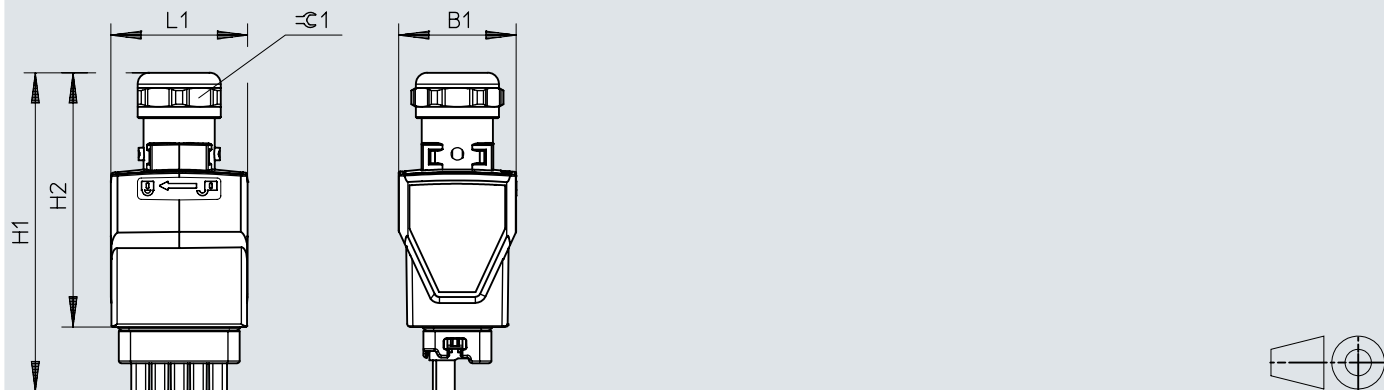


	D1	D2	L1
NECU-G78G5-C2	7/8"	28	89

Dimensions

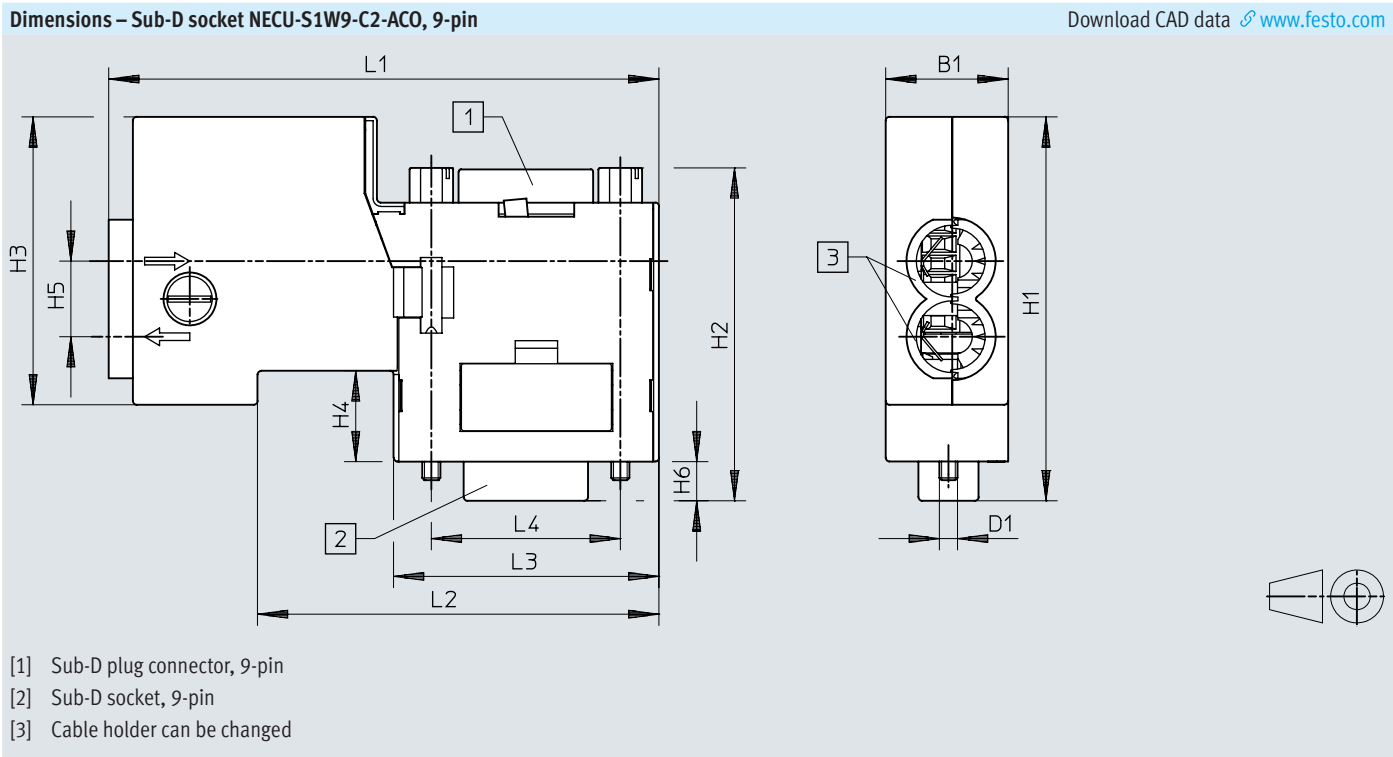
Dimensions – Push-pull socket NECU-M-PPG5PP-C1-PN, 5-pin, straight

Download CAD data www.festo.com



	B1	H1	H2	L1	Ø1
NECU-M-PPG5PP-C1-PN	31,1	84,4	67,3	36,2	22

Dimensions



	B1	D1	H1	H2	H3	H4	H5	H6	L1	L2	L3	L4
NECU-S1W9-C2-ACO	16,2	4-40UNC	50,8	43,8	38,1	12	10	5,2	72,8	53,1	35,1	25

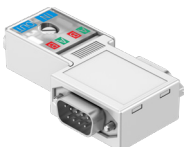
Ordering data

Plug, M8				
	Socket/plug connection pattern	Product weight	Part no.	Type
	3-pin	7.8 g	562024	NECU-S-M8G3-HX
	4-pin		564945	NECU-S-M8G3-HX-Q3
			562025	NECU-S-M8G4-HX

Plug, M12				
	Socket/plug connection pattern	Product weight	Part no.	Type
	3-pin	17.5 g	562027	NECU-S-M12G3-HX
	4-pin	17 g	570953	NECU-S-M12G4-P1-IS
		17.5 g	562028	NECU-S-M12G4-HX
		18 g	570954	NECU-S-M12G4-P2-IS
			570955	NECU-S-M12G4-P1-Q6-IS
		24 g	570956	NECU-S-M12G4-D-IS
		33.3 g	564947	NECU-S-M12G4-HX-Q7
		38 g	575719	NECU-M-S-A12G4-IS
		44.3 g	543109	NECU-M-S-D12G4-C2-ET
	5-pin	46.1 g	1066354	NECU-M-S-B12G5-C2-PB

Plug, square, 4-pin			
	Socket/plug connection pattern	Part no.	Type
	4-pin	570922	NECU-S-ECG4-HX-Q3

Plug, terminal strip				
	Socket/plug connection pattern	Product weight	Part no.	Type
	7-pin	12.8 g	576319	NECU-L3G7-C1
	8-pin	33 g	565711	NECU-L3G8-C1-IS
		36 g	565712	NECU-L3G8-C1
		55.5 g	565709	NECU-L3G8-C2-IS
		56 g	565710	NECU-L3G8-C2

Plug, Sub-D, 9-pin				
	Socket/plug connection pattern	Product weight	Part no.	Type
	9-pin	43 g	574589	NECU-S1W9-C2-APB

Ordering data

Socket FBSD-GD				
	Electrical connection	Product weight	Part no.	Type
	4-pin, Straight socket/screw terminal, Type A, M12x1	40 g	18496	FBSD-GD-13,5

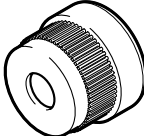
Socket, M12, 5-pin				
	Socket/plug connection pattern	Product weight	Part no.	Type
	5-pin	48.7 g	1067905	NECU-M-B12G5-C2-PB

Socket, 7/8"				
	Socket/plug connection pattern	Product weight	Part no.	Type
	4-pin	58.7 g	543108	NECU-G78G4-C2
	5-pin	50 g	543107	NECU-G78G5-C2

Socket, push-pull, 5-pin				
	Socket/plug connection pattern	Product weight	Part no.	Type
	5-pin	109 g	5195383	NECU-M-PPG5PP-C1-PN

Socket, Sub-D, 9-pin				
	Socket/plug connection pattern	Product weight	Part no.	Type
	9-pin	59 g	574588	NECU-S1W9-C2-ACO

Accessories

Cable seal					
	Connection 1, design	Connection 2, design	Size of pack	Part no.	Type
	Pg 13.5	Cable diameter 6.5 ... 9.5 mm	5	8079860	NEAU-KD-P4-A1-P5