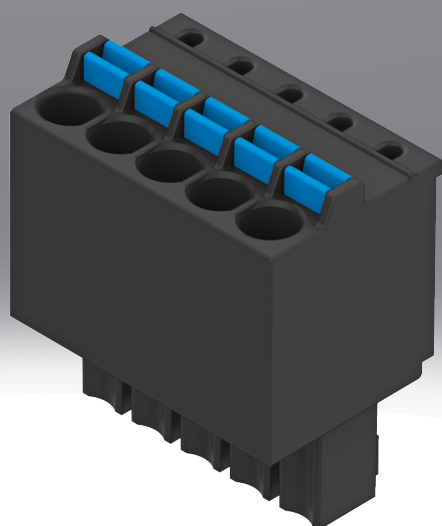


Plug NECC

FESTO



Type code

001	Series	
NECC	Plug	
002	Product version	
	Standard	
A	Deviating design	
M	Mainly metal	
003	Type of connector	
	Socket	
S	Plug	
004	Connection technology 1	
L2	PCB plug connector with 3.5 mm grid dimension	
L8	Connection pattern L8	
L16	PCB plug connector with pitch 3.81 mm	
R3	RJ45	
S1	Sub-D	
005	Cable outlet right	
G	Straight	
006	Socket/plug connection pattern	
	None	
2	2-pin	
4	4-pin	
5	5-pin	
6	6-pin	
8	8-pin	
9	9-pin	
24	24-pin	

007	Additional socket functions	
	None	
PP	Push-pull	
008	Connection technology 2	
C1	Spring-loaded terminal	
HX	Insulation displacement connector	
C2	Screw terminal	
009	Additional features	
	None	
M	With fitting	
010	Bus protocol/activation	
	None	
PN	Profinet	
CO	CANopen	
011	Packaging quantity [pieces]	
	Standard	
P8	8	
P11	11	

Datasheet

General technical data, plug, -C

Connection technology 2	Spring-loaded terminal		Screw terminal	
Size of pack	8	11	8	11
Type of mounting	Push-pull			
Cable outlet	Straight			
Mounting position	optional			
Product weight	51.3 g	73.2 g	36.8 g	52.6 g

General technical data, plug, -PN

Protocol	Ethernet; PROFINET			
Transmission characteristics	Category 5 in accordance with ISO/IEC 11801; Category 5 according to TIA/EIA-568B			
Frequency of connection	750			
Additional functions	Fulfil requirements according to AIDA			
Cable outlet	Straight			
Product weight	90 g			

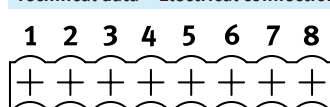
General technical data, plug, -M

Product weight	24 g
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General technical data, terminal strip

Cable outlet	Straight
Size of pack	1
Product weight	3.8 g

Technical data – Electrical connection 1, plug, -C



Connection technology 2	Spring-loaded terminal		Screw terminal	
Size of pack	8	11	8	11
Electrical connection 1, function	Power supply, Controller side			
Electrical connection 1, connection type	Plugs			
Electrical connection 1, cable outlet	Straight			
Electrical connection 1, design	Angular			
Electrical connection 1, number of connections/cores	4, 8			
Electrical connection 1, type of mounting	Plug-in			

Technical data – Electrical connection 1, plug, -PN

Electrical connection 1, connector system	RJ45
Electrical connection 1, connection type	Plugs
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Angular
Electrical connection 1, number of connections/cores	8
Electrical connection 1, used connections/cores	8
Electrical connection 1, type of mounting	Push-pull with interlock against unintentional pulling

Datasheet

Technical data – Fieldbus, plug, -M

Field bus interface	Sub-D, 9-pin, socket
Electrical connection	9-pin/9-pin, Sub-D/screw terminal
Baud rate	1 Mbps
Permissible cable diameter	8 mm

Technical data – Electrical connection 1, terminal strip

Electrical connection 1, connector system	Connection pattern L8
Electrical connection 1, connection type	Socket
Electrical connection 1, design	Angular
Electrical connection 1, number of connections/cores	5
Electrical connection 1, type of mounting	Plug-in

Technical data – Electrical connection 2, plug, -C

Electrical connection 2, function	Field device side, Power supply
Electrical connection 2, connection type	Terminal strip
Electrical connection 2, cable outlet	Straight
Electrical connection 2, design	Angular
Electrical connection 2, connector system	Spring-loaded terminal, Screw terminal
Electrical connection 2, number of connections/cores	4, 8

Technical data – Electrical connection 2, plug, -PN

Electrical connection 2, connector system	Insulation displacement connector
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Technical data – Electrical connection 2, terminal strip

Electrical connection 2, connector system	Spring-loaded terminal
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Technical data – Electrical, plug, -C

Connection technology 2	Spring-loaded terminal		Screw terminal	
Size of pack	8	11	8	11
Electrical connection	Plugs			
Nominal operating voltage DC	24 V			
Current rating at 40° C	4 A			
Immunity to surge	2.5 kV			
Nominal cross section conductor	0.2, 1.5		0.14, 1.5	
Conductor nominal cross section	AWG28 - 16		AWG30 - 14	

Datasheet

Technical data – Electrical, plug, -PN

Nominal operating voltage DC	50 V
Operational voltage range DC	50 V
Immunity to surge	1,500 V
Current rating at 40° C	1.75 A
Shielding	360° possible
Cable outlet	Straight
Cable fitting	Pg11 hex A/F 20
Cable diameter	5.5 ... 10 mm
Wire diameter	1.6 mm
Nominal cross section conductor	0.25 ... 0.32 mm ²
Conductor nominal cross section	AWG22, AWG23
Note on connection cross-section	0.25 - 0.32mm ² for conductor 1-wire

Technical data – Electrical, terminal strip

Operational voltage range DC	0 ... 300 V
Immunity to surge	1.6 kV
Current rating at 40° C	8 A
Shielding	no
Conductor nominal cross section	AWG28 - 16
Cable outlet	Straight

Materials, plug, -C

Connection technology 2	Spring-loaded terminal		Screw terminal	
Size of pack	8	11	8	11
Material housing	PA66			
Housing colour	Black			
Material electrical contact	Copper alloy, tin-plated			
Note on materials	RoHS-compliant			
LABS (PWIS) conformity	VDMA24364 zone III			

Material, plug, -PN

Material housing	Die-cast zinc, nickel-plated
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-A1-L
Permissible insulating sheath	PP, PUR, PVC

Materials, plug, -M

Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Materials, terminal strip

Material housing	PA
Housing colour	Black
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III

Datasheet

Operating and environmental conditions, plug, -C

Connection technology 2	Spring-loaded terminal		Screw terminal	
Size of pack	8	11	8	11
Degree of protection	IP20			
Ambient temperature	-40 ... 115°C		-40 ... 120°C	
Note on ambient temperature	-40 - 105°C for UL applications			
Storage temperature	-40 ... 70°C			
Relative air humidity	0 - 70%			
Corrosion resistance class CRC ¹⁾	0 - No corrosion stress			
Overvoltage category	III			
Fire test	UL94 V-0			
Pollution degree	2			

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

Operating and environmental conditions, plug, -PN

Ambient temperature	-40 ... 70°C		
Storage temperature	-40 ... 70°C		
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress		
Degree of protection	IP65; IP67		
Note on degree of protection	In assembled state		
Protection against direct and indirect contact	PELV		
Fire test	UL94 V-0		
Pollution degree	2		

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

Operating and environmental conditions, plug, -M

Ambient temperature	-20 ... 70°C		
Corrosion resistance class CRC ¹⁾	0 - No corrosion stress, 1 - Low corrosion stress		
CE mark (see declaration of conformity) ²⁾	To EU Low Voltage Directive		
Degree of protection	IP40		

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

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

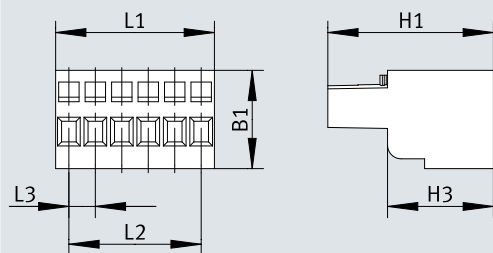
Operating and environmental conditions, terminal strip

Ambient temperature	-40 ... 115°C		
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress		
Degree of protection	IP20		
Note on degree of protection	In assembled state		

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

Dimensions

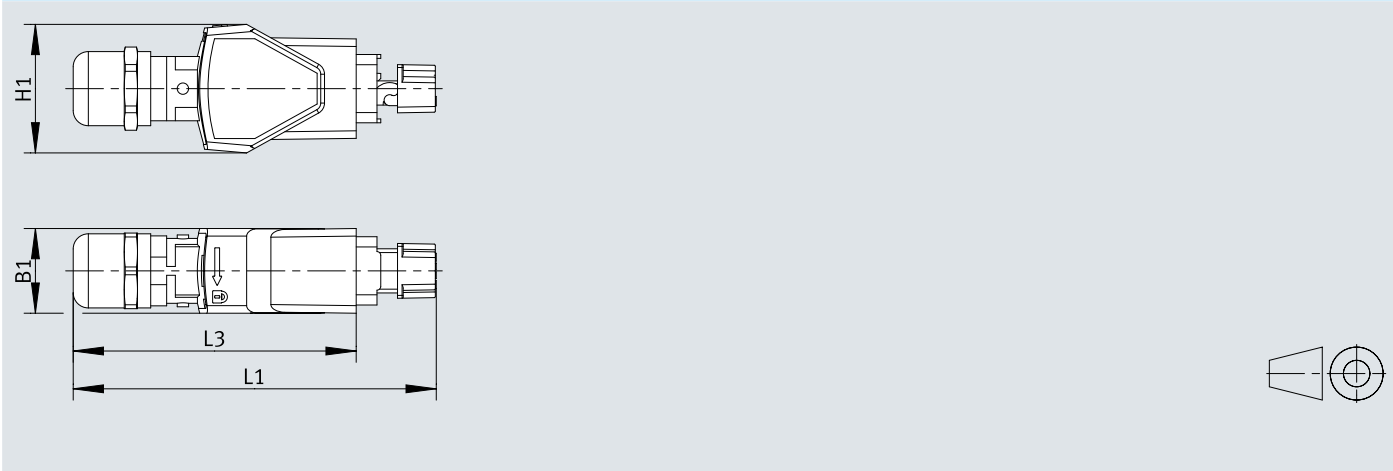
Dimensions – Plug, -C1

[Download CAD data](#) www.festo.com


	B1	H1	H3	L1	L2	L3
NECC-L2G2-C1	13	21,9	14	7	3,5	3,5
NECC-L2G5-C1	13	21,9	14	17,5	14	3,5
NECC-L2G6-C1	13	21,9	14	21	17,5	3,5
NECC-L2G8-C1	13	21,9	14	28	24,5	3,5
NECC-L2G24-C1	13	21,9	14	84	80,5	3,5

Dimensions

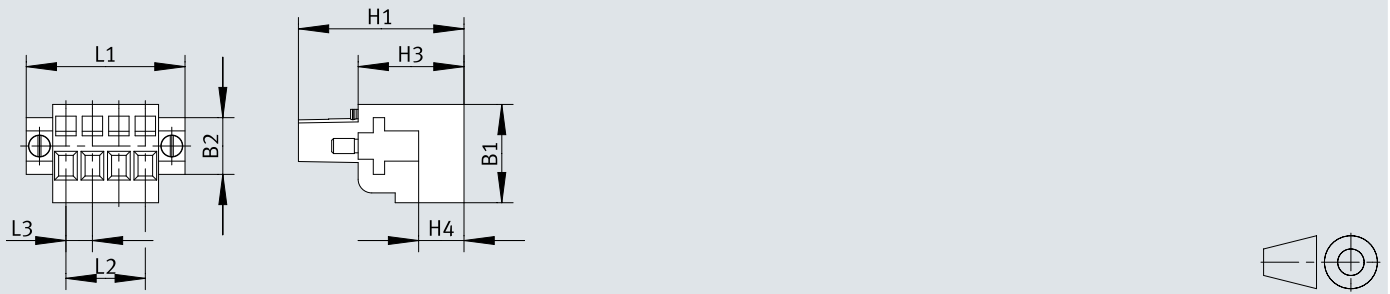
Dimensions – Plug, -PN Download CAD data www.festo.com



	B1 ±0,25	H1 ±0,25	L1 ±5	L3
NECC-M-S-R3G8PP-HX-PN	22,4	34	96	74,8

Dimensions

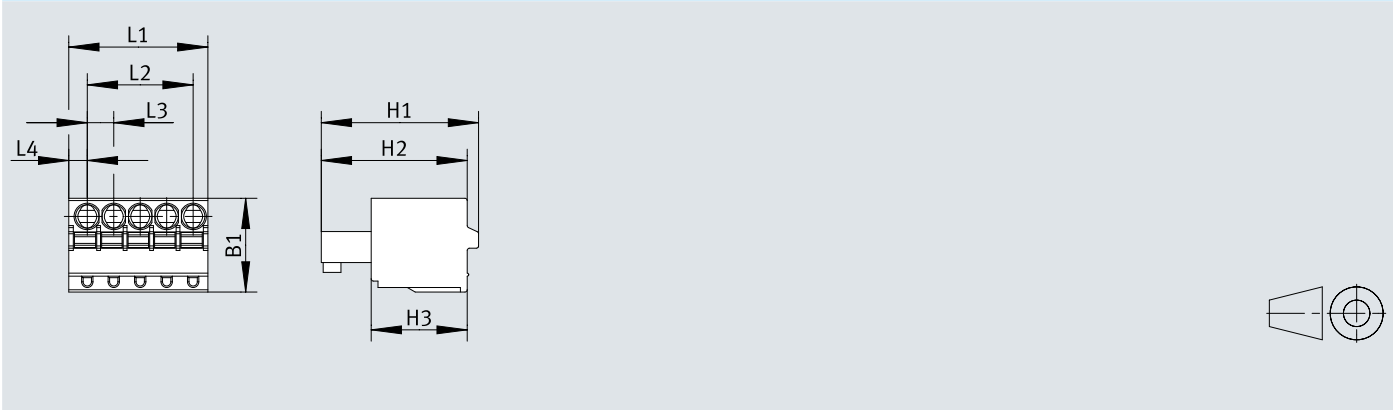
Dimensions – Plug, -M Download CAD data www.festo.com



	B1	B2	H1	H3	H4	L1	L2	L3
NECC-L2G4-C1-M	13	7,5	21,9	14	6	21	10,5	3,5

Dimensions

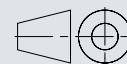
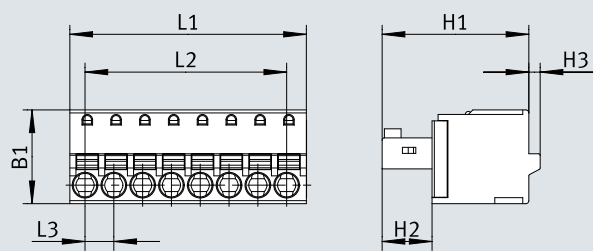
Dimensions – Terminal strip Download CAD data www.festo.com



	B1	H1	H2	H3	L1	L2	L3	L4
NECC-L8G5-C1	12,4	20,8	19,3	12,7	18,4	14	3,5	~2,5

Dimensions

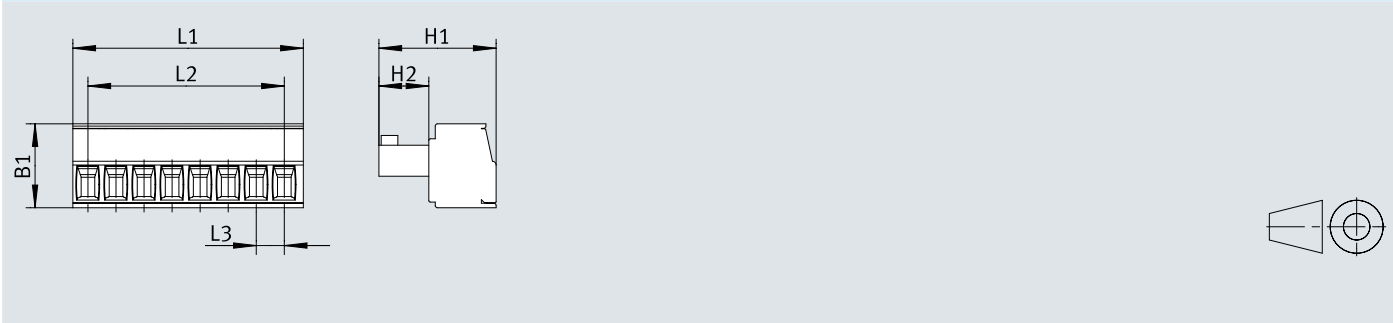
Dimensions – Assortment of plugs, -C1

[Download CAD data](#) www.festo.com


	B1	H1	H2	H3	L1	L2	L3
NECC-S-L16G-C1-P8	12,4	19,4	6,6	1,5	16	11,4	3,8
NECC-S-L16G-C1-P11					31,3	26,7	

Dimensions

Dimensions – Assortment of plugs, -C2 Download CAD data www.festo.com

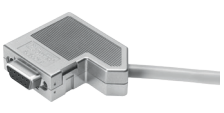


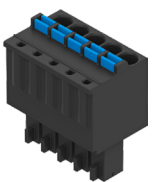
	B1	H1	H2	L1	L2	L3
NECC-S-L16G-C2-P8	11,1	15,6	6,6	15,2	11,4	3,8
NECC-S-L16G-C2-P11				30,5	26,7	

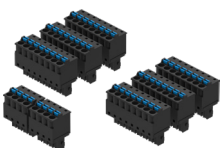
Ordering data

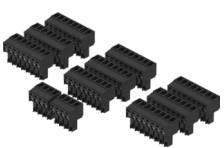
Plug, -C1				
	Socket/plug connection pattern	LABS (PWIS) conformity	Part no.	Type
	2-pin	VDMA24364-B2-L	575302	NECC-L2G2-C1
	5-pin		575304	NECC-L2G5-C1
	6-pin		575305	NECC-L2G6-C1
	8-pin		575306	NECC-L2G8-C1
	24-pin		575307	NECC-L2G24-C1

Plug, -PN			
	Protocol	Part no.	Type
	Ethernet, PROFINET	5195384	NECC-M-S-R3G8PP-HX-PN

Plug, -M				
	Connection technology 1	LABS (PWIS) conformity	Part no.	Type
	PCB plug connector with 3.5 mm grid dimension	VDMA24364-B2-L	575303	NECC-L2G4-C1-M
	Sub-D		564264	NECC-A-S-S1G9-C2M
			576031	NECC-S1G9-C2-M

Terminal strip			
	Size of pack	Part no.	Type
	1	8106756	NECC-L8G5-C1

Assortment of plugs, -C1				
	Packaging quantity [pieces]	LABS (PWIS) conformity	Part no.	Type
	8	VDMA24364 zone III	8188242	NECC-S-L16G-C1-P8
	11		8188241	NECC-S-L16G-C1-P11

Assortment of plugs, -C2				
	Packaging quantity [pieces]	LABS (PWIS) conformity	Part no.	Type
	8	VDMA24364 zone III	8188239	NECC-S-L16G-C2-P8
	11		8188240	NECC-S-L16G-C2-P11