

Power supply socket NTSD

FESTO



Datasheet

General technical data – Socket M18x1

Mounting position	optional
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Technical data – Electrical connection, socket M18x1

Electrical connection	4-pin, Straight socket, Angled socket, Screw terminal
Type of mounting	Via union nut

Technical data – Electrical components, socket M18x1

Operational voltage range AC	≤250 V
Permissible current load	16 A

Technical data – Cable, socket M18x1

Cable fitting	Pg11	Pg13	Pg 9
Permissible cable diameter	5 ... 11 mm	10 ... 12 mm	6 ... 8 mm
Connection cross section	2.5 mm ²		1.5 mm ²

Materials – Socket M18x1

Material housing	PBT
Material electrical contact	Copper alloy; Brass
Note on materials	–
LABS (PWIS) conformity	VDMA24364-B2-L

Environmental and operating conditions – Socket M18x1

Ambient temperature	-5 ... 50°C
Storage temperature	-20 ... 70°C
Degree of protection	IP67

Technical data – Electrical connection, plug M12x1

Electrical connection	5-pin, Straight plug connector/screw terminal
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Technical data – Electrical components, plug M12x1

Permissible current load	3 A
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Technical data – Cable, plug M12x1

Permissible cable diameter	6 ... 8 mm
Connection cross section	0.75 mm ²

Materials – plug M12x1

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

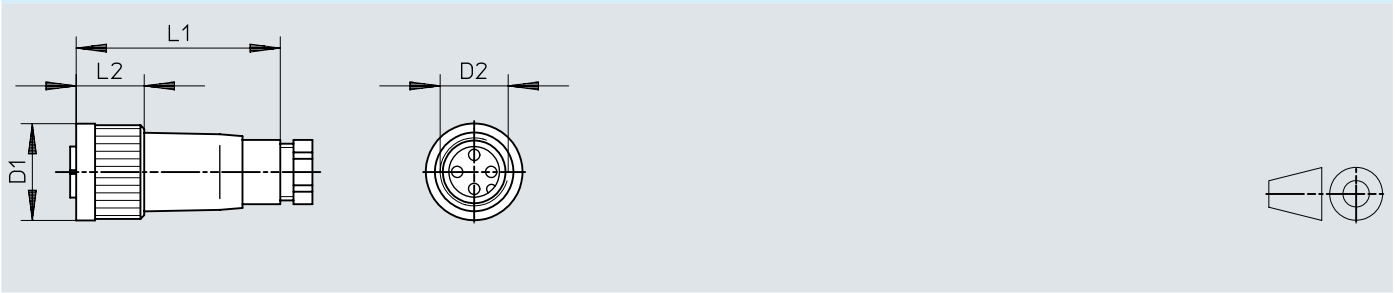
Operating and environmental conditions – plug M12x1

Ambient temperature	-40 ... 85°C
Degree of protection	IP67

Dimensions

Dimensions – NTSD-GD-9

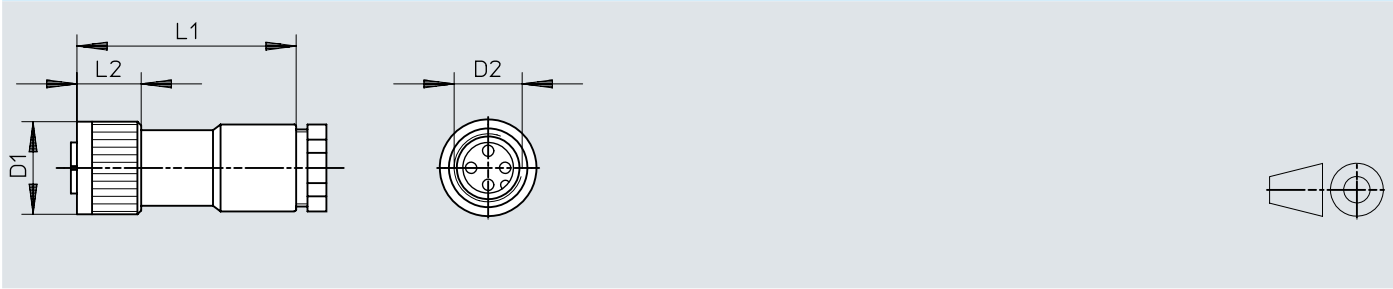
Download CAD data www.festo.com



	D1 Ø	D2	L1	L2
NTSD-GD-9	24,5	M18x1	56	17

Dimensions

Dimensions – NTSD-GD-13.5 Download CAD data www.festo.com



	D1 Ø	D2	L1	L2
NTSD-GD-13.5	24,5	M18x1	58	17

Dimensions

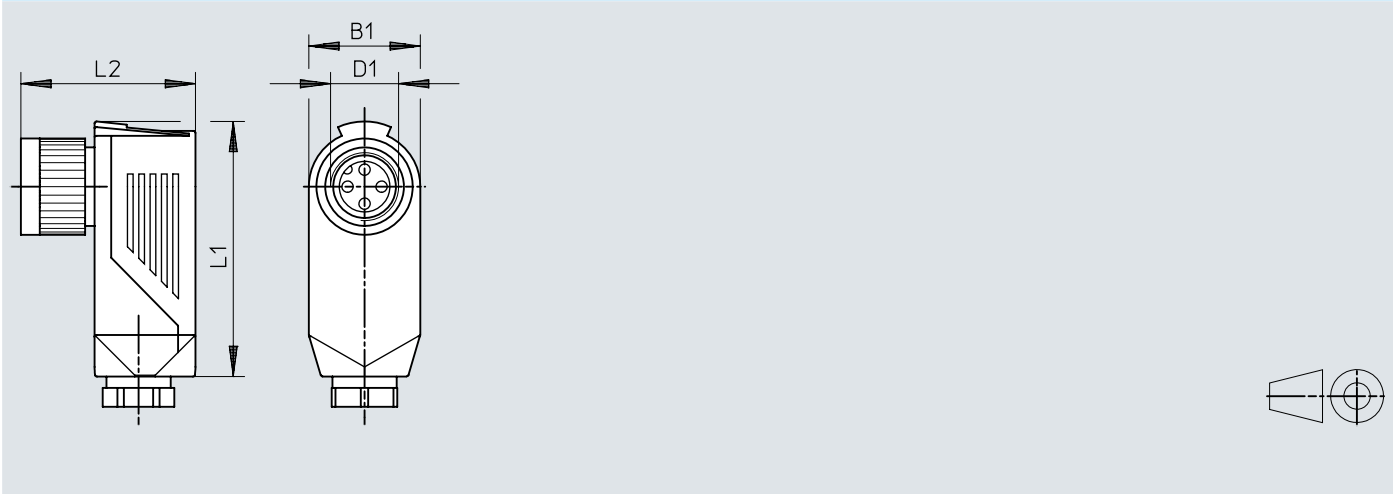
Dimensions – NTSD-WD-9

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	D1	L1	L2	L3	L4
NTSD-WD-9	M18x1	43	31	23,5	17

Dimensions

Dimensions – NTSD-WD-11 Download CAD data www.festo.com

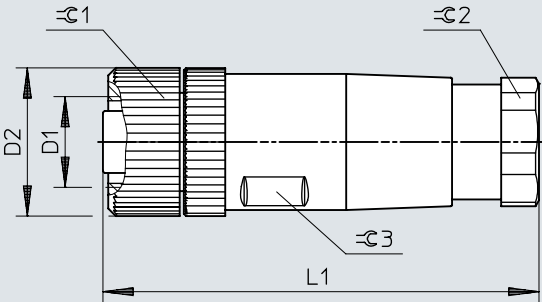


	B1	D1	L1	L2
NTSD-WD-11	29,5	M18x1	67,5	46,2

Dimensions

Dimensions – NTSD-GD-9-M12-5POL-RK

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	D1	D2	L1	Ø1	Ø2	Ø3
NTSD-GD-9-M12-5POL-RK	M12x1	20	56	18	16	17

Ordering data

Ordering data – Socket M18x1						
Electrical connection	Cable fitting	Connection cross section	Permissible cable diameter	Product weight	Part no.	Type
4-pin, Straight socket, Screw terminal	Pg13	2.5 mm ²	10 ... 12 mm	31 g	18526	NTSD-GD-13,5
	Pg 9	1.5 mm ²	6 ... 8 mm	25 g	18493	NTSD-GD-9
4-pin, Angled socket, Screw terminal	Pg11	2.5 mm ²	5 ... 11 mm	34 g	533119	NTSD-WD-11
	Pg 9	1.5 mm ²	6 ... 8 mm	30 g	18527	NTSD-WD-9

Ordering data – Plug M12x1						
Electrical connection	Cable fitting	Connection cross section	Permissible cable diameter	Product weight	Part no.	Type
5-pin, Straight plug connector/screw terminal		0.75 mm ²	6 ... 8 mm		538999	NTSD-GD-9-M12-5POL-RK