



**Electrical Connection Technology,  
for Fieldbus Connection, NEDU**



# Electrical connection technology, for fieldbus connection

FESTO

Technical data – NEDU

- T-adapter
- Branch line for the connection and disconnection of fieldbus components
- Connected fieldbus components can be unplugged without interrupting signal transmission (to other components)



General technical data				
Type	NEDU-M12D5-M12T4		NEDU-M8D3-M12T4	NEDU-M8D3-M8T4
Type of mounting	Screw-in			
Mounting position	Any			
Connection frequency	500		500	100
Nominal operating voltage	[V]	250 DC	60 DC	32 DC
	[V]	60 AC	60 AC	32 AC
Current-carrying capacity	[A]	4	4	2
Protection class to EN 60529	IP65/67			
Electrical connection	To EN 60947-5-2			
Max. tightening torque	[Nm]	0.5	0.3 for M8 0.5 for M12	0.3
Material of housing	Polyurethane			Polyamide
Material of crimp connectors	Gold-plated brass			
Material of union nut	Chrome plated brass, nickel plated brass			
Note on materials	Free of copper and PTFE			
Corrosion resistance class CRC <sup>1)</sup>	2			
Ambient temperature	[°C]	-25 ... +85		

1) Corrosion resistance class 2 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.

Ordering data				
	Electrical connection	Product weight [g]	Type	Part No.
	Plugs/sockets, 4-pin/4-pin, M12x1/M12x1	25.5	NEDU-M12D5-M12T4	541 596
	Plugs/sockets, 4-pin/3-pin, M12x1/M8x1	16.9	NEDU-M8D3-M12T4	541 597
	Plugs/sockets, 4-pin/3-pin, M8x1/M8x1	9.5	NEDU-M8D3-M8T4	544 391

# Electrical connection technology, for fieldbus connection

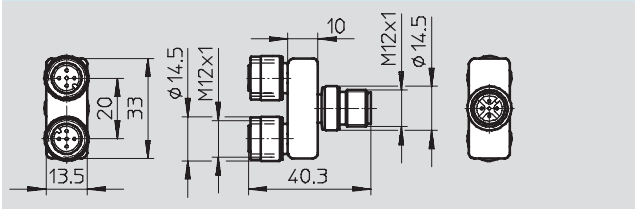
Technical data – NEDU

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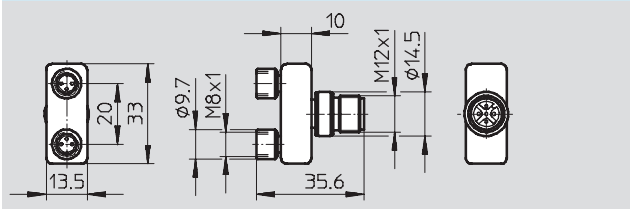
## Dimensions

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

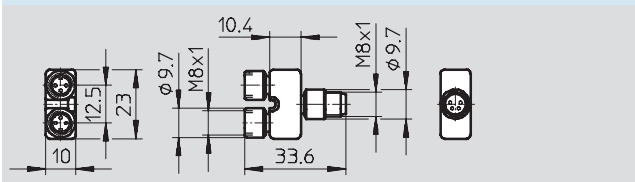
### NEDU-M12D5-M12T4



### NEDU-M8D3-M12T4



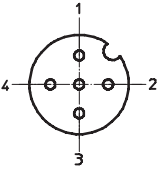
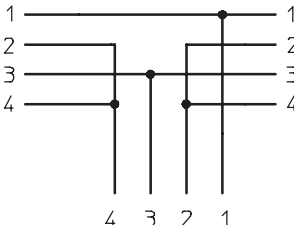
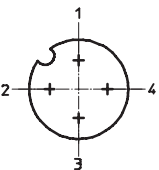
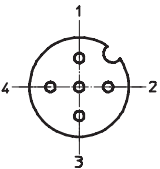
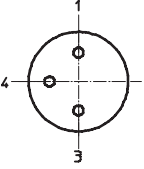
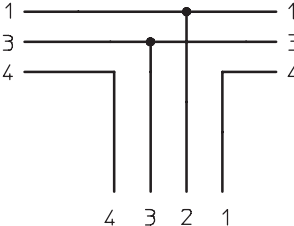
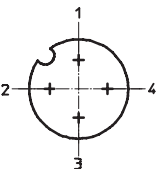
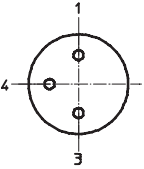
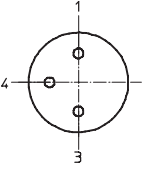
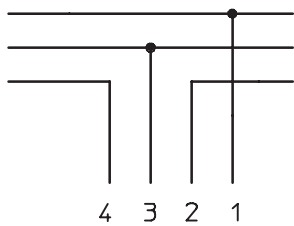
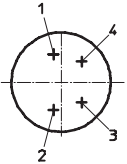
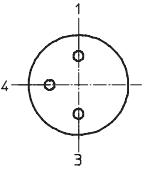
### NEDU-M8D3-M8T4



# Electrical connection technology, for fieldbus connection

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Technical data – NEDU

Wiring allocation (socket/plug view)		
NEDU-M12D5-M12T4		
Socket	Wiring allocation	Socket
	 	
NEDU-M8D3-M12T4		
Socket	Wiring allocation	Socket
	 	
NEDU-M8D3-M8T4		
Socket	Wiring allocation	Socket
	 	



# Product Range and Company Overview

## A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



### Custom Automation Components

Complete custom engineered solutions



### Custom Control Cabinets

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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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# Festo North America

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For ordering assistance, or to find  
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**Email:** customer.service@us.festo.com

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