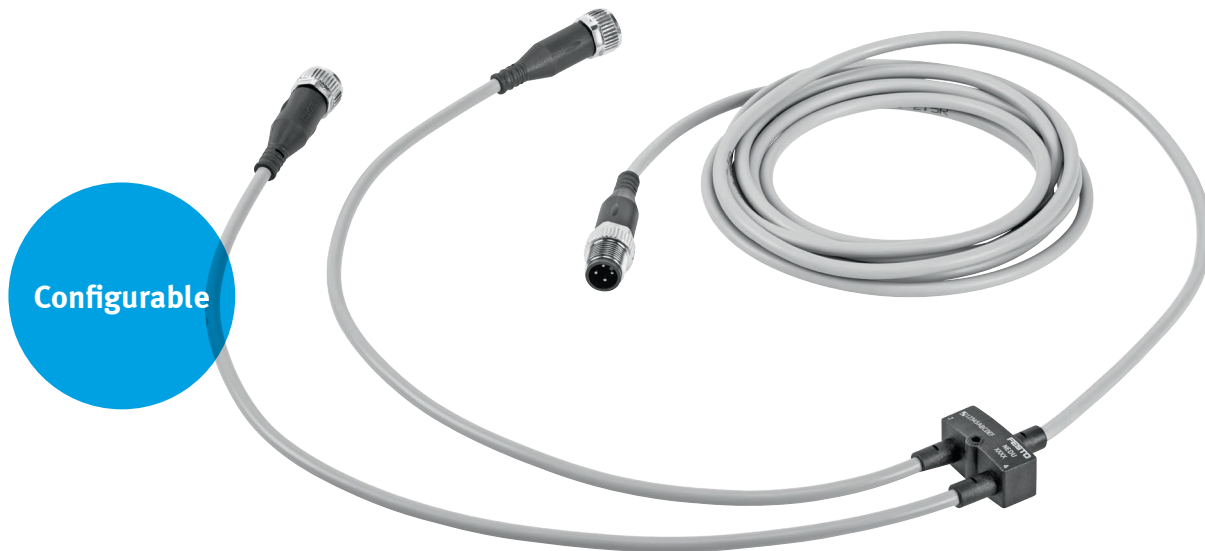


# Sensor/actuator distributor NEDY

FESTO



## Installation optimised!

### Highlights

- Saves time and costs by reducing components
- Installation-optimised distribution in an instant
- Suitable for use with energy chains and robots
- Protects PUN tubing because it is free of phosphoric acid ester
- For M8/M12 and all valve socket connections and screw terminals

The new modular system for the sensor/actuator distributor NEDY creates connections between two field devices and double-occupied M8/M12 screw terminal input/outputs at decentralised I/O modules, with significantly less installation effort. Thanks to the reduced number of components, NEDY also saves space and costs, making it ideal for the automation platform CPX, for example.

### Totally individual

The entire distributor is pre-assembled and ready for the customer to install, so that both the socket side and the plug side can be freely configured according to the customer's wishes.

### Quickly ready for use

Since assembly on site is no longer necessary, the installation time for the assembly of distributors and additional interconnecting cables such as NEBA is eliminated.

In addition, fewer components mean less testing and installation effort is needed. That is a good way to reduce costs directly.

### Available for longer

NEDY can also be used with energy chains and robots, because the cable sheath is made of pure polyurethane (U). This significantly increases the service life of the cables – and thus the system availability.

### Simply compact

NEDY is especially suitable for applications in energy chains, since there is only one cable that has to be accommodated in very small bending radii.

### Safe all around

Fewer components and the optimised distribution in the field help to avoid installation faults.

# Sensor/actuator distributor NEDY

## Product details

With the modular system NEDY the socket, plug and cable length can be freely selected. Especially popular types with standard lengths of 2.5 m and 5 m are available ex-stock.

- Connection technology: M8, M12, standardised rectangular plug connector, type A, B, C and specific Festo valve sockets ZB and ZC, open end for screw terminals
- Overall length: 0.3 ... 30 m
- Max. operating voltage 30 V
- Cable characteristics U: suitable for use with robots and energy chains from a radius of 28 mm
- Attachment for T-slot as accessory

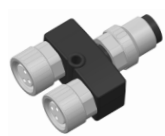
## Possible applications

Transmitting or receiving: both are possible with NEDY.

- Collecting sensor signals: two field device signals are placed on a double-occupied M8/M12 socket with two PLC inputs, e.g. two proximity switches to a double CPX input.
- Splitting actuator signals: a double-occupied M8/M12 output is switched to two actuators, e.g. as an output module to two solenoid coils.

## Wide choice of variants

Distributor without cable



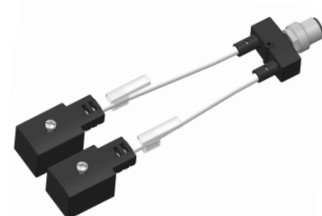
Distributor with cable, controller side



Distributor with cable, field device side

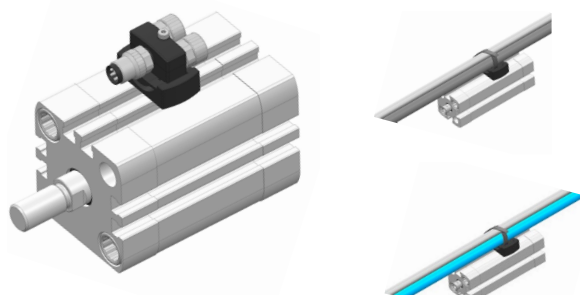


Distributor with cable, both sides



Additional connecting cables NEBA and NEBB as well as field wireable connectors NECB and NECU are available.

## Attachment for T-slot as accessory



## Good to know

The NEDY cable material is free of phosphoric acid ester. This aggressive ester is widely used as a flame-retardant additive, but soon attacks polyurethane tubing near the cable.

Using NEDY thus also increases the lifetime of pneumatic tubing and cable applications typically found in energy chains and cable ducts.