

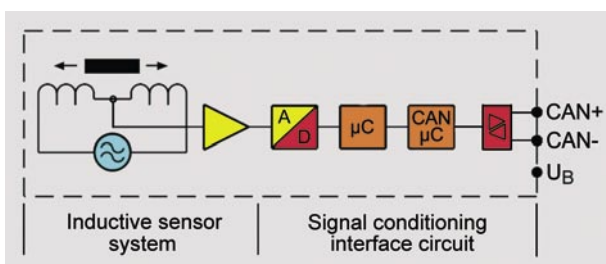
General description

The system comprises an inductive linear displacement transducer and a cylindrical electronic module. Both items are supplied calibrated as one unit. They carry identical serial numbers and should not be combined with other items of the same series.

Construction and operating principle of module IE25/X - N02

The cylindrical housing in stainless steel has an outside diameter of 25 mm. It contains the excitation circuit for the inductive transducer (oscillator and demodulator) as well as the conditioning electronics along with the CANopen interface.

The following block diagram shows the different components. Its function is identical to the IWN 250 transducer to data sheet IWN11253.



Specific technical data

- Baudrate adjustet to: 500 Kbaud
- Node address: 63
- Operating voltage: 18 - 29 VDC
- Protection grade: IP 65

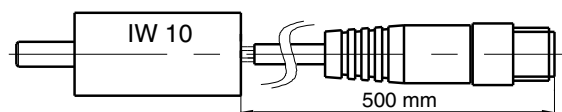
All other data as per data sheet IWN 11253.

Linear transducer IW10/X

A spring return has been fitted to the item for use as gauge. It can be calibrated to meet strokes of 2, 4 or 8 mm.

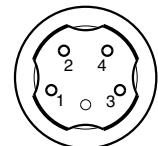
A cable with integral counter plug has to be connected to an intermediate cable for connection to the IE 25 module. The intermediate cable must be supplied by the user.

(For further details of the IW 10 transducer, ref. to data sheet IW10278.)



Electrical connections of the IW 10 transducer

Pin	Signal
1	End of coil (brown)
2	Beginning of coil (white)
3	Middle of coil (blue)
4	n.c.

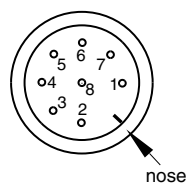


M8x1,4 sockets
(View on contact side of counter plug)

Electrical connection of the IE 25 module

Entries for transducer

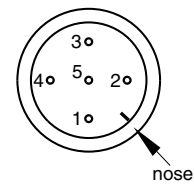
Pin	Signal
1	End of coil
2	Beginning of coil
3	Middle of coil
4	Screen
5	n.c.
6	not to be used
7	not to be used
8	not to be used



M12x1, 8 pins
(View on contact side of counter plug)

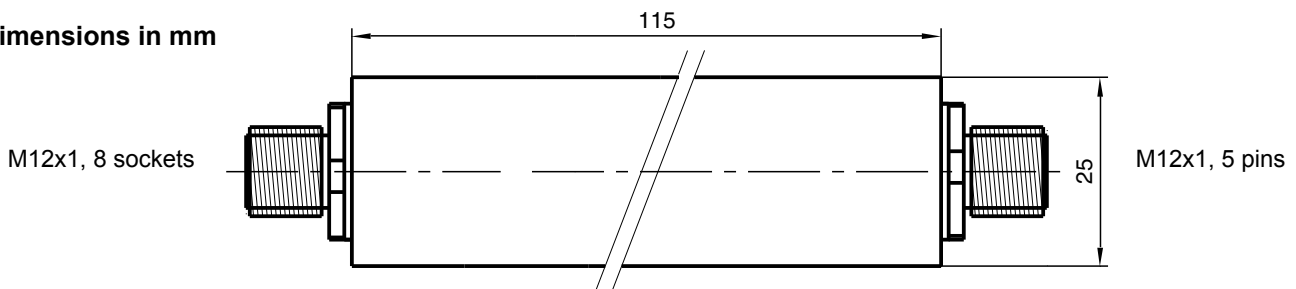
Entries for CANopen

Pin	Signal
1	Screen
2	$V_S + (24 \text{ VDC})$
3	$V_S - (0 \text{ VDC})$
4	CAN +
5	CAN -



M12x1, 5 sockets
(View on contact side of counter plug)

Dimensions in mm



Counter plugs (to be ordered separately)

- STK8GP63 M12x1, 8 pins, straight, plastic housing
- STK5GS55 M12x1, 5 sockets, straight, plastic housing
- STK4GS64 M8x1, 4 sockets, straight, plastic housing

Order code format for complete system:

IE 25/X-N02 ("X" to be replaced by the calibrated stroke, i.e. IE 25/4-N02)