

FnIO module - EtherCAT fieldbus node NA9286



- Direct diagnostics via LEDs on the fieldbus node
- Replacement of modules when wiring is still in place
- Manages expansion modules with 1, 2, 4, 8 and 16 channels
- Simple termination (no resistor or end module required)

<https://www.wachendorff-prozesstechnik.de/NA9286>

Description

As a slave, the NA9286 fieldbus node establishes the connection between the FnIO system and the EtherCAT fieldbus. The I/O modules used are automatically recognized and the fieldbus node creates a local process image. The internal process image of the NA9286 fieldbus node is stored in the memory of the relevant controller via the EtherCAT fieldbus. By dividing the process image into an input and output data area, the process data is read in via EtherCAT, processed further in a controller and the process output data is output via EtherCAT. The automatically generated process image is created in the order of the expansion modules in their slots.

LED display:

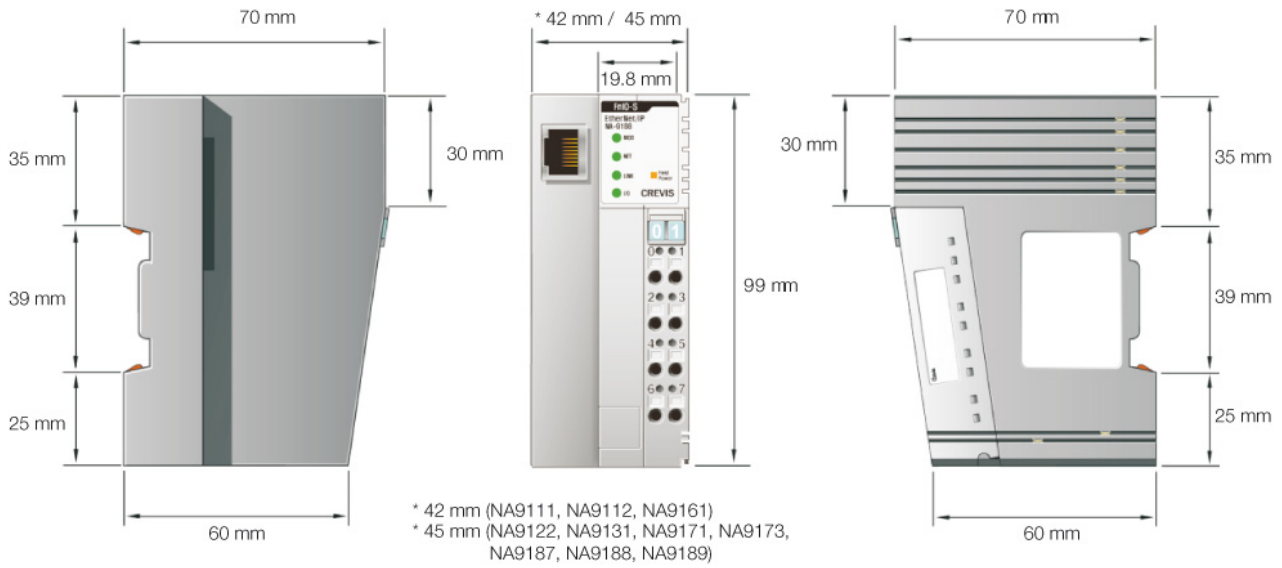
1x for module status display (MOD), green/red
1x for current operating status (RUN), green
1x for error status (ERR), red
1x for I/O expansion module status (I/O), green/red
1x for field voltage status, green
1x for each RJ-45 connection
1x for active link, green

Product details

Power supply system:	24 VDC typical Supply voltage range: 11 VDC to 28.8 VDC Protection: output current limitation (min. 1.5A), reverse polarity protection
Power consumption:	100 mA typical at 24 VDC
Total current for the expansion modules:	1.5 A at max. 5 V
Isolation:	System voltage to internal logic: Not isolated System voltage to I/O driver: Isolated
Field voltage:	Supply voltage: 24 VDC typical Supply voltage range: 11 VDC to 28.8 VDC
Current via power contacts:	10 ADC max.
Module dimensions (LxHxW):	45 mm x 99 mm x 70 mm
Node type:	Slave node (EtherCAT)
Number of extensions for I/O slots:	max. 32 slots
Input variable:	max. 252 bytes
Output variable:	max. 252 bytes
Max. length of bus cable:	up to 100 m from the Ethernet hub/switch with twisted CAT3 UTP/STP cable
Max. Number of nodes:	limited by Ethernet specification (65535)
Baud rate:	100 MBit/s
Interface connector:	2x RJ-45 (X1 IN, X1 OUT)

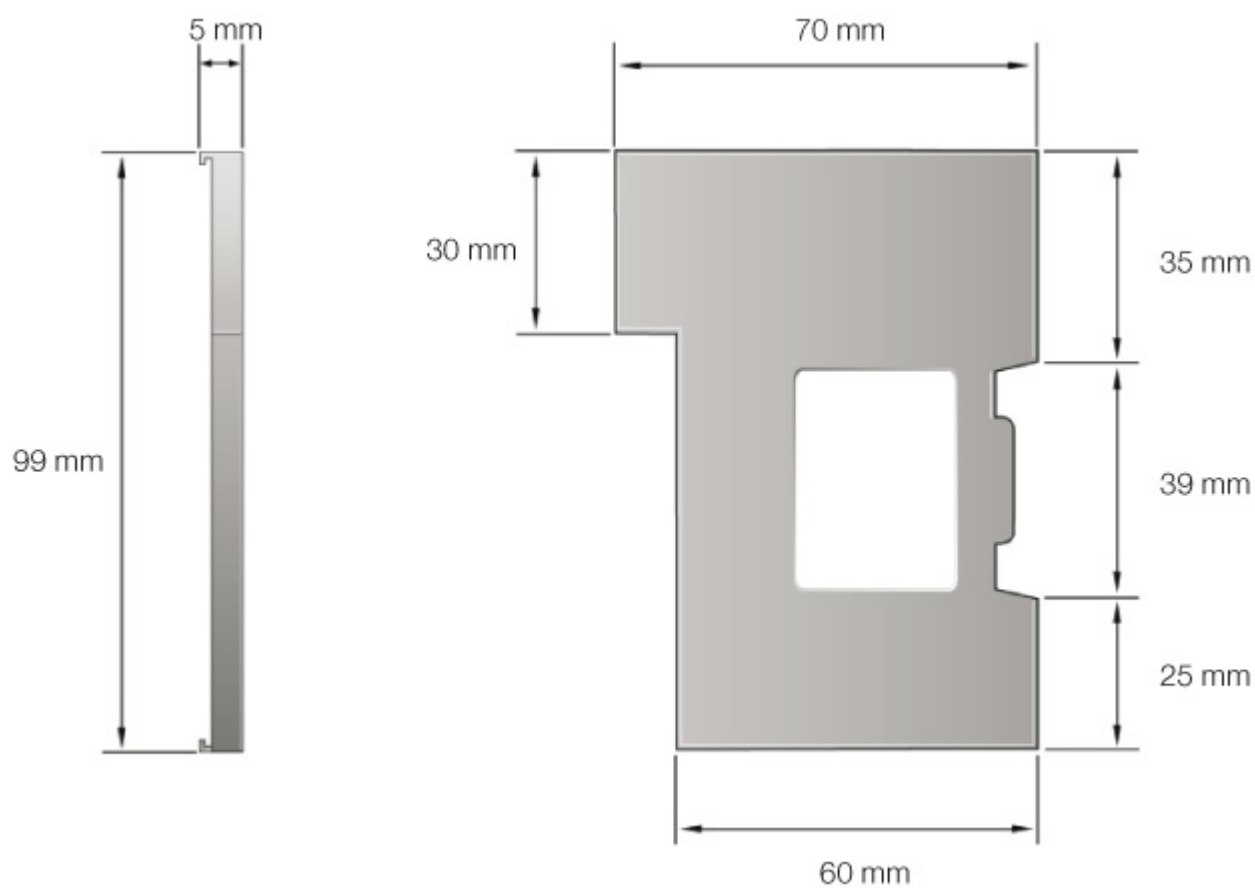
Drawings

Fieldbus coupler dimensions



Drawings

End cap dimensions





Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de

