

# NLC-COM-ENET-MB1 - Communication module



2701124

<https://www.phoenixcontact.com/us/products/2701124>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Ethernet communication module. Allows the Nanoline controller to be connected to an Ethernet, operating as a Modbus TCP Server.

## Product description

Adds Ethernet connectivity (Modbus TCP Server functionality) to Nanoline controller. Attaches to left-side of base unit.

## Your advantages

- Enables all I/O points, registers, timers, counters, program flags, and system flags to be read and written remotely
- Password control can limit access: read-only or read/write
- Watchdog timer monitors communication, providing either a warning or fault
- Connects to an Ethernet network to function as a Modbus TCP client

## Commercial data

Item number	2701124
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR11
Product key	DRACAE
GTIN	4046356325295
Weight per piece (including packing)	148.2 g
Weight per piece (excluding packing)	144.3 g
Customs tariff number	85176200
Country of origin	IN

## Technical data

### Notes

Notes on operation	Program configuration requires a serial connection. It cannot be done via the Ethernet module.
--------------------	--

### Product properties

Product type	Communication module
Product family	Nanoline

### Electrical properties

#### Supply

Supply voltage	24 V DC (Power available via logic module)
Power supply connection	Screw connection
Max. current consumption	180 mA (at 18 V DC)
Typical current consumption	110 mA

### Connection data

#### Extension module

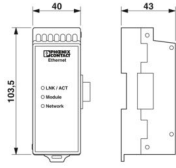
Connection method	Installs left side of base unit
-------------------	---------------------------------

### Interfaces

#### Ethernet 10/100Base T

Connection method	RJ45
Transmission speed	10/100 Mbps (auto negotiation)
Transmission length	100 m
Signal LEDs	LNK/ACT; Module; Network

### Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C

# NLC-COM-ENET-MB1 - Communication module



2701124

<https://www.phoenixcontact.com/us/products/2701124>

Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	90 %

# NLC-COM-ENET-MB1 - Communication module

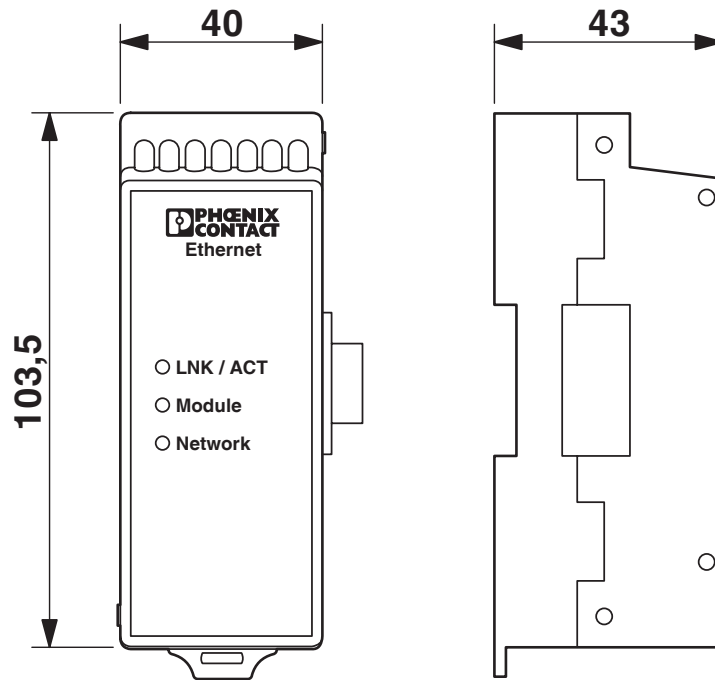


2701124

<https://www.phoenixcontact.com/us/products/2701124>

## Drawings

Dimensional drawing



2701124

<https://www.phoenixcontact.com/us/products/2701124>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2701124>



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

2701124

<https://www.phoenixcontact.com/us/products/2701124>

## Classifications

### ECLASS

ECLASS-13.0

27242216

### ETIM

ETIM 9.0

EC001417

### UNSPSC

UNSPSC 21.0

39122300

2701124

<https://www.phoenixcontact.com/us/products/2701124>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)