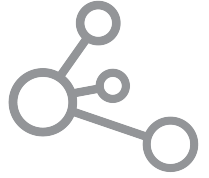




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# DDNI485

Passive Gateway

## Cost-effective optical isolation

The Philips Dynalite DDNI485 is a passive network gateway designed to provide a cost-effective optical isolation solution.

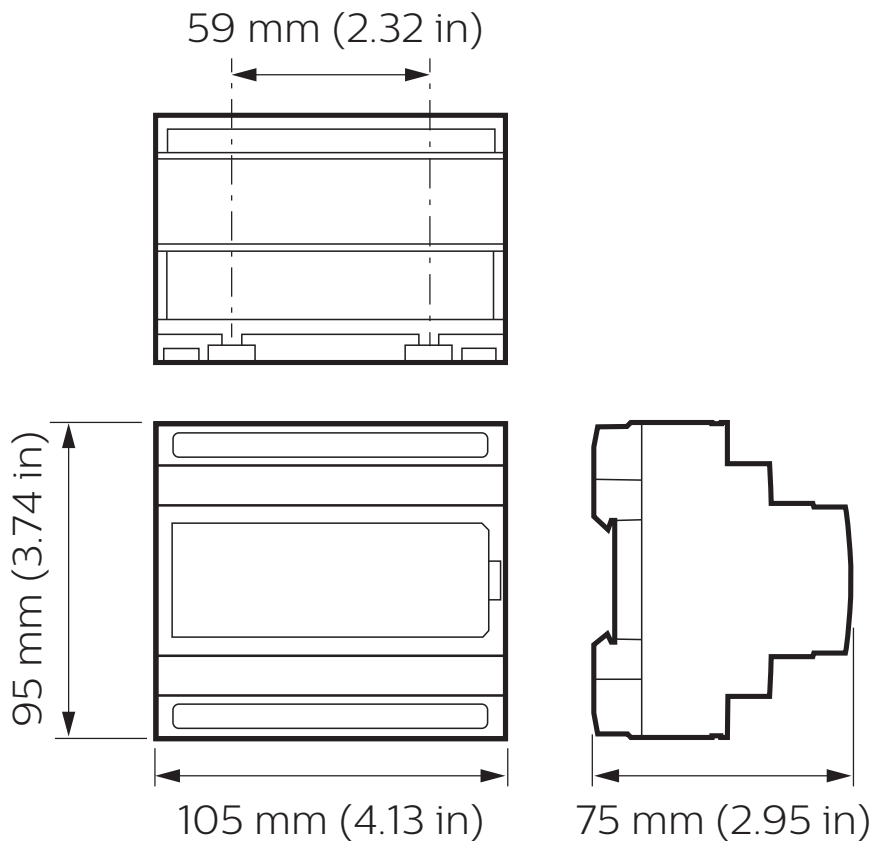
# DDNI485

## Cost-effective optical isolation

- **Electrical fault isolation** – Two opto-isolated RS-485 ports enable the DDNI485 to implement network segmentation, electrically isolating each spur and containing network faults.
- **Passive device** – Does not require programming.
- **Flexible mounting solution** – DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

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## Dimensions



# Specifications

Due to continuous improvements and innovations, specifications may change without notice.



**DDNI485**  
Passive Gateway

## Electrical

Supply Type	DyNet (Port 1)
Supply Voltage	12 VDC
Supply Current	30 mA
Serial Port Isolation	Optical (2.75 kV surge)
IEC Overvoltage Category	III

## Control

Communication Ports	2 x RS-485
Supported Protocols	DyNet DyNet2
Indicators	2 x DyNet service LED

## Physical

Dimensions (H x W x D)	95 x 105 x 75 mm (3.74 x 4.34 x 2.95 in)
Packed Weight	0.2 kg (0.44 lb)
Construction	Polycarbonate DIN-rail enclosure (6 unit)
Communication Ports	2 x RJ12 10 x screw terminal
Communication Terminal Conductor Size	2.5 mm <sup>2</sup> (#12 AWG) (max)

## Environment\*

Operating Temperature	-0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
Ingress Protection Rating	IP20
IEC Pollution Degree	III

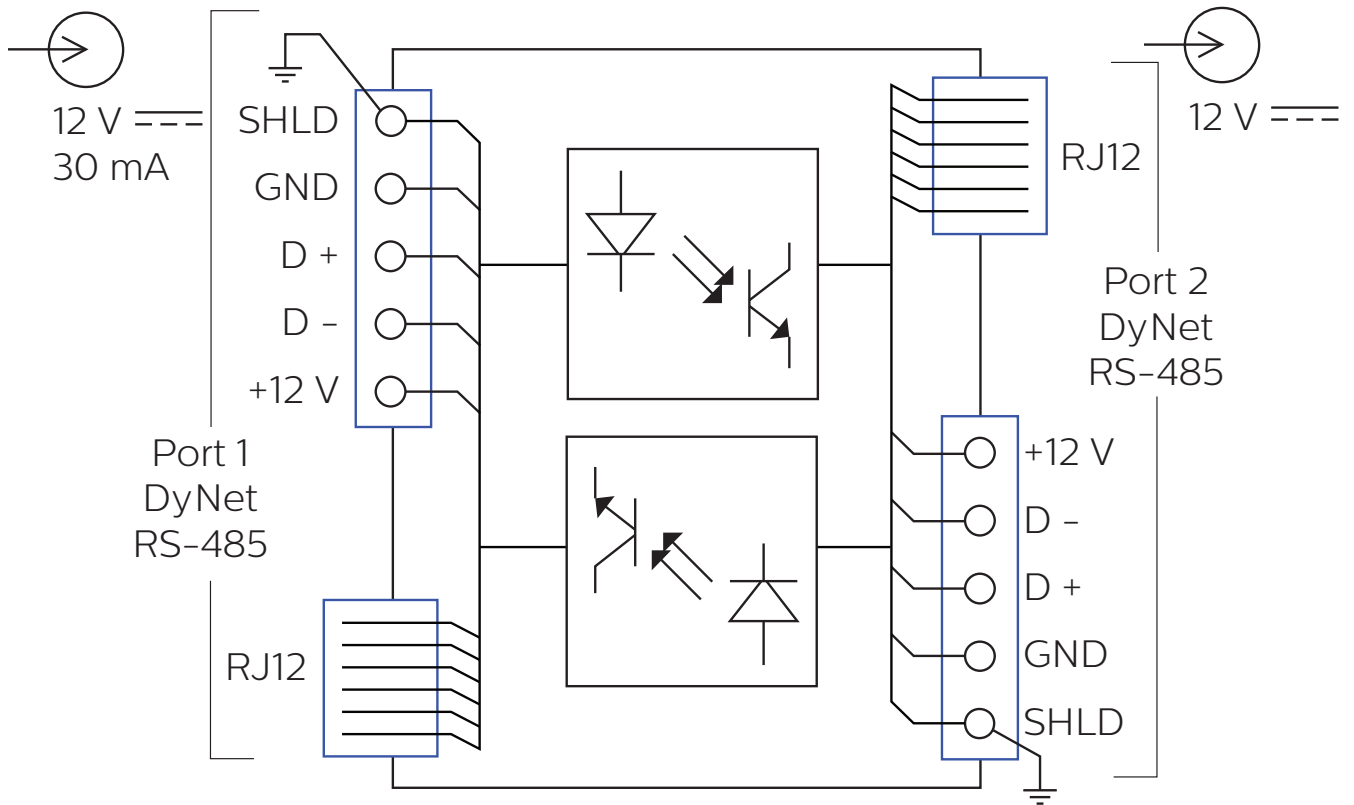
## Compliance

Certification	CE, RCM, UKCA, RoHS
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\* For indoor installation only



Electrical



Ordering Code

**Product**

**Philips 12NC**

DDNI485

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