PHILIPS
dynalite

Integration Devices

DDNI485

Passive Gateway

Cost-effective optical isolation

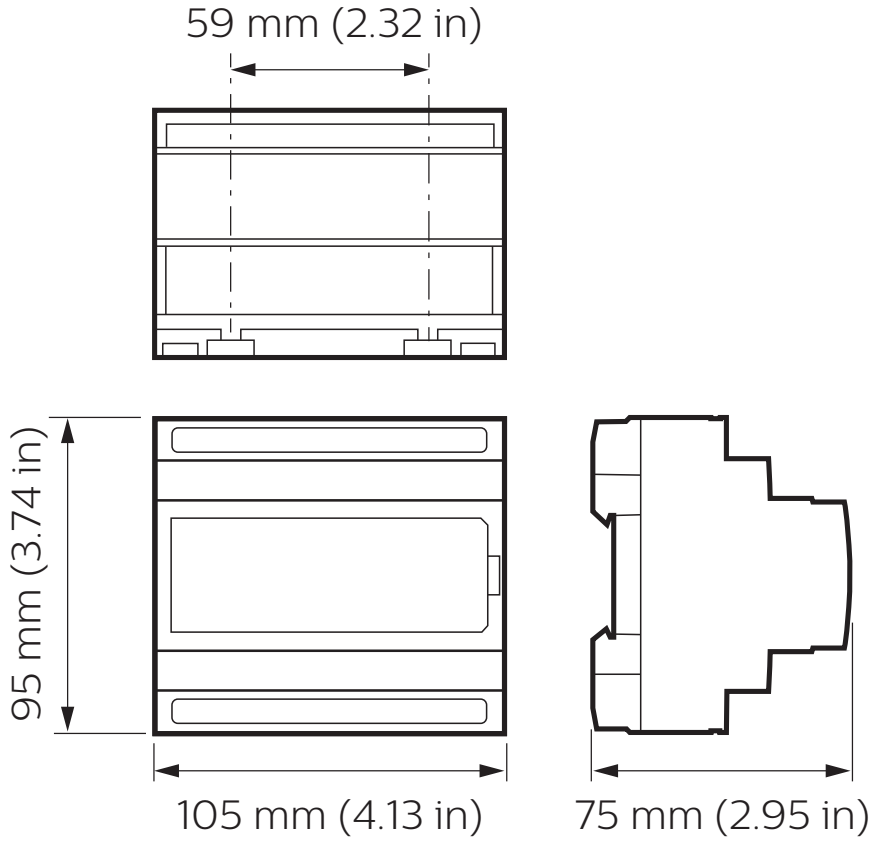
The Philips Dynalite DDNI485 is a passive network gateway designed to provide a cost-effective optical isolation solution.

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.

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^2 (#12 AWG) (max)

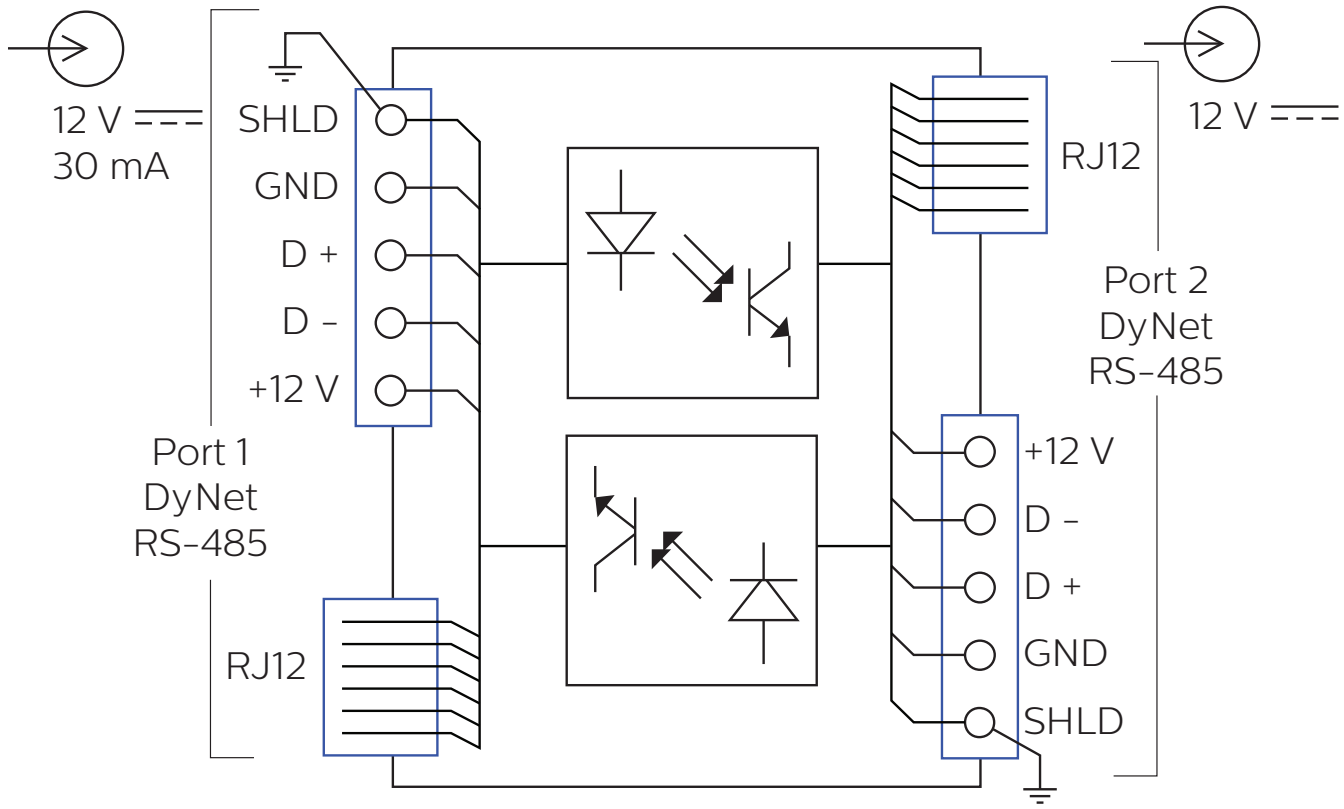
Environment

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, RoHS

Electrical



Ordering Code

Product	Philips 12NC
DDNI485	913703081309

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