

## net4more comMODULE un:c-PoE

PoE comMODULE for net4more system

### Product description

- Component of the net4more system
- PoE comMODULE with power supply for LED Driver
- Fast installation with preassembled cables
- No need to install additional electrical infrastructure
- SELV protection
- World wide accepted technology
- Power supply via PoE
- PoE IEEE 802.3at (25.5 W)
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team
- 5-year guarantee

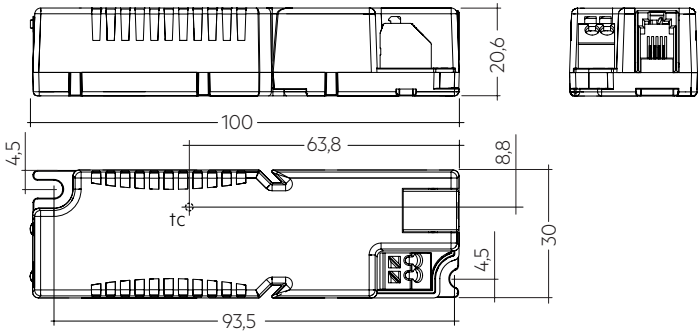


**Standards**, page 4



net4more comMODULE un:c-PoE  
PoE comMODULE for net4more system

Technical data	
Supply via	PoE
PoE standard	IEEE 802.3at (25.5 W)
Power consumption comMODULE	0.79 W
Max. output power for LED Driver	24.7 W
Operating temperature	-25 ... +60 °C
tc point	80 °C
Storage temperature	-40 ... +80 °C
Dimensions L x W x H	100 x 30 x 20.6 mm
Type of protection	IP20



Ordering data			
Type	Article number	Packaging, carton	Weight per pc.
net4more comMOD un:c-PoE	28001576	120 pc(s).	0.043 kg

ACCES-  
SERIES

net4more cable un:c

Product description

- RJ10 un:c connection cable in various lengths



Ordering data

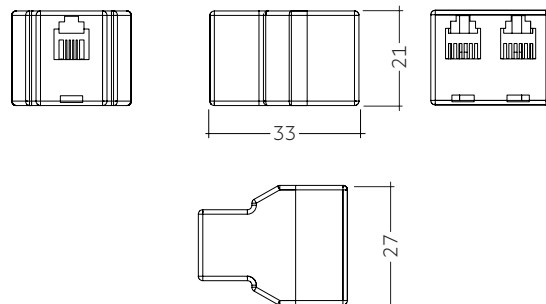
Type	Article number	Packaging carton	Weight per pc.
net4more cable 50mm un:c	28001674	100 pc(s).	0.002 kg
net4more cable 100mm un:c	28001675	200 pc(s).	0.003 kg
net4more cable 200mm un:c	28001676	100 pc(s).	0.004 kg
net4more cable 300mm un:c	28001677	300 pc(s).	0.006 kg
net4more cable 500mm un:c	28001678	200 pc(s).	0.008 kg

ACCES-  
SERIES

net4more 3way Splitter un:c

Product description

- un:c 3-way-splitter
- For wiring of additional components



Ordering data

Type	Article number	Packaging carton	Weight per pc.
net4more 3way Splitter un:c	28001664	100 pc(s).	0.02 kg

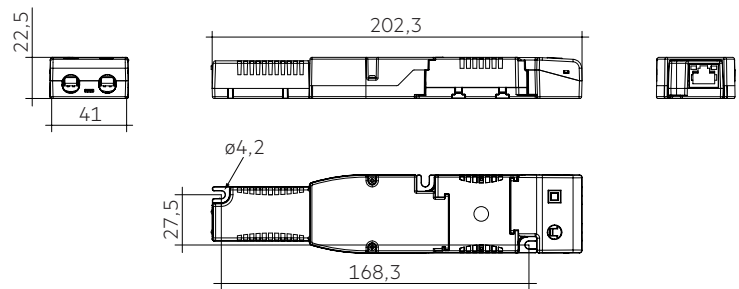
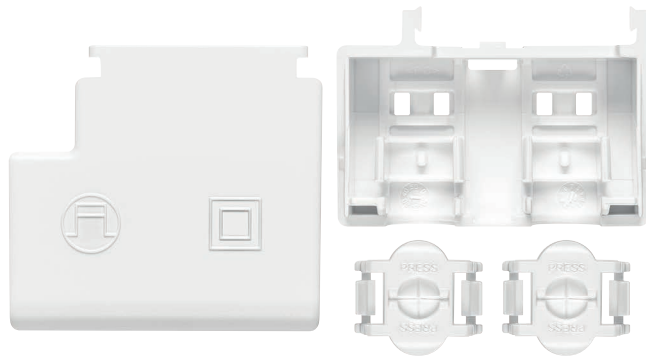


ACCESSORIES

Strain-relief set 43x22.5mm

**Product description**

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED driver
- Screwless cable-clamp channels
- Extends the PoE LED Driver in combination with the Linkset and the comMOD PoE into a fully independent LED Driver (e.g. ceiling installation)
- Overall length = 202.3 mm (consisting of :PoE LED Driver + PoE comMOD + Linkset + strain-relief set)
- Mounting see installation instructions Linkset



**Ordering data**

Type	Article number	Packaging carton <sup>①</sup>	Packaging outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

<sup>①</sup> A carton of 10 pcs. is equal to 20 sets of net4more application, each with 1 strain-relief part.

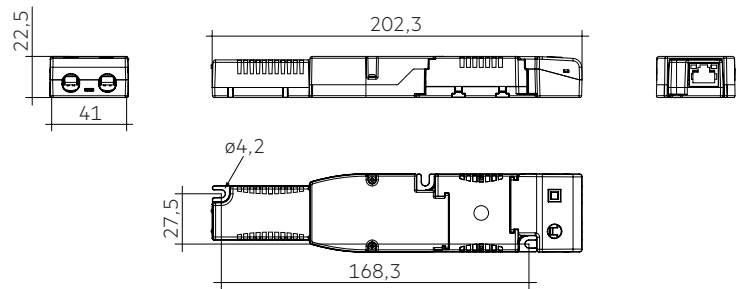
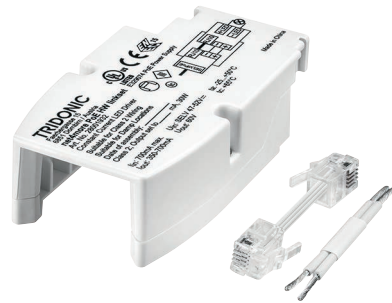


ACCESSORIES

Linkset

Product description

- Optional set to connect the LED Driver with the comMOD
- un:c connecting cable and supply wires included in the set
- Extends the PoE LED Driver in combination with the strain-relief set and the comMOD PoE into a fully indepent LED Driver (e.g. ceiling installation)
- Overall length = 202.3 mm (consisting of :PoE LED Driver + PoE comMOD + Linkset + strain-relief set)
- Mounting see installation instructions Linkset



Ordering data

Type	Article number	Packaging carton	Packaging outer box	Weight per pc.
net4more PoE HW linkset	28001932	10 pc(s).	80 pc(s).	0.015 kg

## 1. Standards

EN 60950-1  
EN 61347-1  
EN 61347-2-11  
EN 50364  
EN 55024  
EN 55032  
EN 300330 V2.1.1  
EN 301 489-1 V2.1.1  
EN 301 489-3 V2.1.1  
UL 60950-1 Edition 2

### 1.1 Glow wire test

according to EN 61347-2-11 with increased temperature of 850 °C passed.

## 2. Common

### 2.1 net4more comMODULE un:c-PoE

This comMODULE provides the PoE connection of the luminaire with an IT cabling using a RJ45 plug. Mains power to the node comes within the same cable. PoE is a way of providing highspeed data and mains power from a PoE switch or injector. The actual PoE standard allows to have 25.5 W at the node.

## 3. Thermal details and life-time

### 3.1 Expected life-time

Expected life-time				
Type	ta	40 °C	50 °C	60 °C
net4more comMOD un:c-PoE	tc	60 °C	70 °C	80 °C
	Life-time	130,000 h	130,000 h	70,000 h

The device is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %.

## 4. Interfaces / communication

### 4.1 un:c interface

Parameter	Value
Output voltage	5 V
Min. output voltage	4,2 V
Max. output voltage	5,5 V
Max. output current	400 mA
Max. cable length <sup>①</sup>	15 m
Bus frequency	100 / 400 kHz
Devices per bus	10

① The max. cable length corresponds to the sum of all lines in un:c interface.

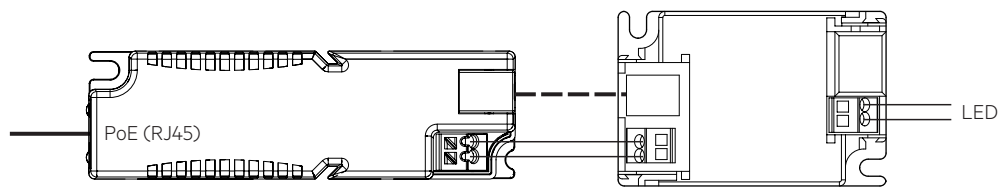
### 4.2 un:c interface / RJ10

The connection between communication module and LED Driver must be done via a straight through un:c interface cable.

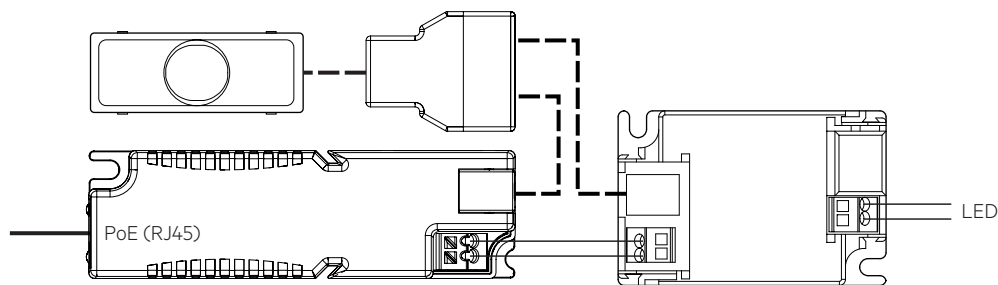
un:c (RJ10)	
pin 1	STR
pin 2	5V
pin 3	GND
pin 4	SCL

## 5. Installation / wiring

### 5.1 Wiring diagram



With sensor:



Caption:

— LED / mains  
— PoE  
- - - un:c

### 5.2 Ethernet cable

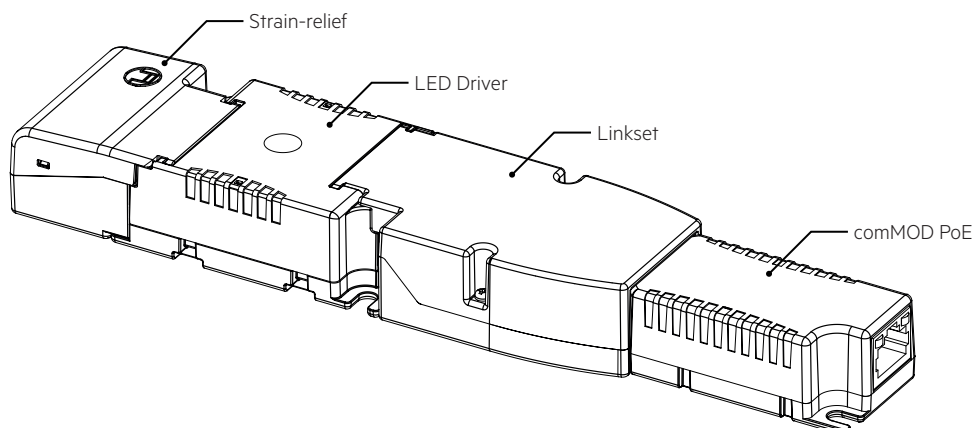
Ethernet cable using standard Cat.5e or higher must be used.

### 5.3 Installation note

Max. torque at the clamping screw: 0.5 Nm / M4

### 5.4 Installation Linkset and strain-relief

See installation instruction net4more Linkset:  
<http://www.tridonic.com/n4m-linkset>



## 6. Miscellaneous

### 6.1 Additional information

Additional technical information at [www.tridonic.com](http://www.tridonic.com) → Technical Data

Guarantee conditions at [www.tridonic.com](http://www.tridonic.com) → Services

Life-time declarations are informative and represent no warranty claim.  
No warranty if device was opened.