

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

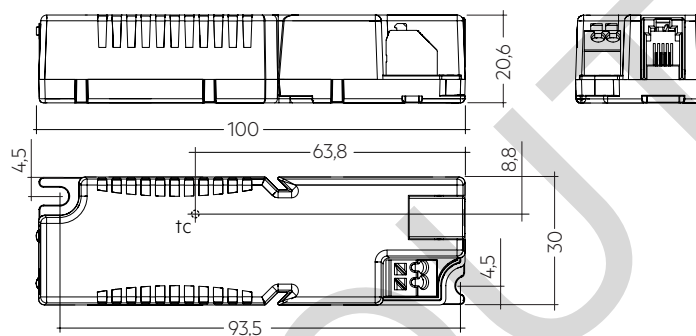


net4more comMODULE un:c-PoE

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-
SORIES

net4more cable un:c

Product description

- RJ10 un:c connection cable in various lengths



Ordering data

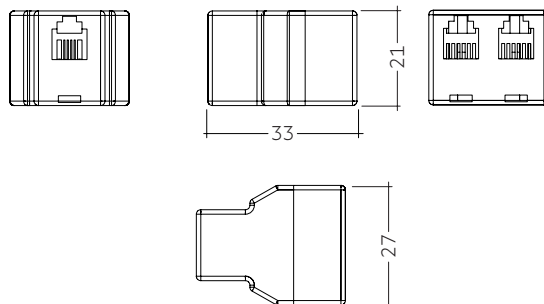
Type	Article number	Packaging carton	Weight per pc.
net4more cable 50mm un:c	28001674	100 pc(s).	0.002 kg
net4more cable 100mm un:c	28001675	200 pc(s).	0.003 kg
net4more cable 200mm un:c	28001676	100 pc(s).	0.004 kg
net4more cable 300mm un:c	28001677	300 pc(s).	0.006 kg
net4more cable 500mm un:c	28001678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

ACCES-
SORIES

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

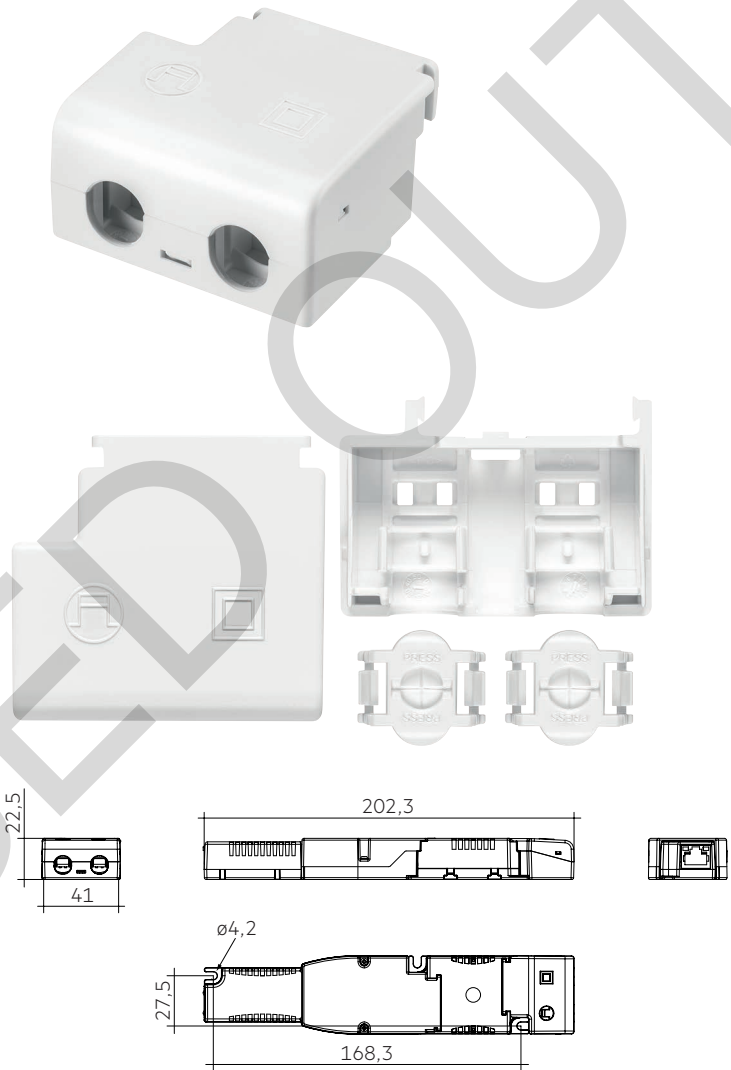


ACCESSORIES

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 ^①	Packaging outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

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

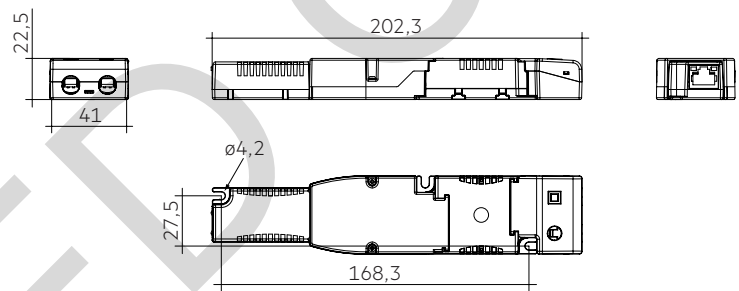
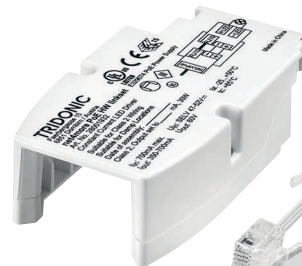


ACCESSORIES

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
	tc	60 °C	70 °C	80 °C
net4more comMOD un:c-PoE	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 ^①	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.

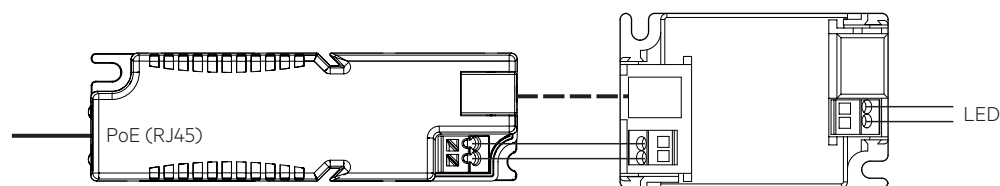
4.2 un:c interface / RJ10

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

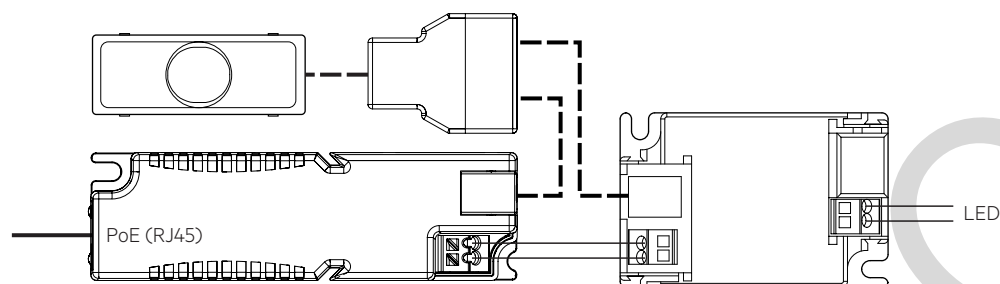
un:c (RJ10)	
pin 1	STR
pin 2	5V
pin 3	GND
pin 4	SCL

5. Installation / wiring

5.1 Wiring diagram



With sensor:



Caption:

- LED / mains
- PoE
- - - un:c

5.2 Ethernet cable

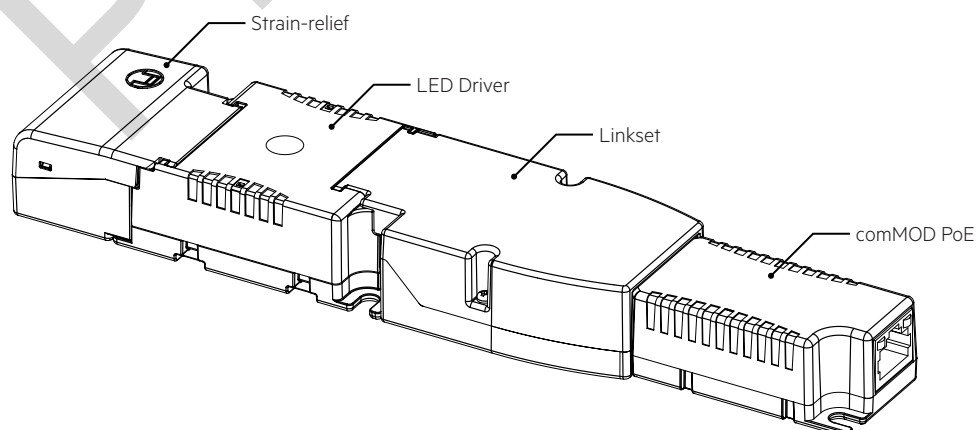
Ethernet cable using standard Cat.5e or higher must be used.

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 → Technical Data

Guarantee conditions at www.tridonic.com → Services

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

PHASED OUT