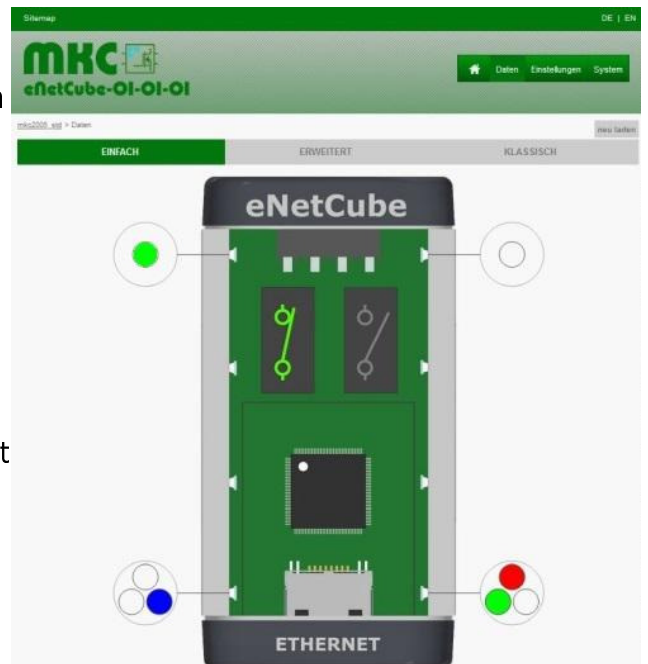




The eNetCube-02-01-01 provides you with two galvanically isolated inputs in a waterproof housing. It works both standalone and integrated in control systems in industry or in the home user area (e.g. openHAB, **Node-RED**).

The eNetCube is a standalone part of a whole series, for connecting different sensors and actuators for industrial applications and the home environment. The network interface is used for communication (**HTTP**, **JSON REST-API**, **MQTT**) as well as for power supply of the device via PoE. The integrated HTTP server enables convenient setting of all system-relevant parameters.

All software interfaces are based on open protocols. Thus, all devices can be operated directly in your network environment without registration, app or cloud connection. This offers the highest possible protection for your data.



Weitere Informationen zu unseren Produkten und Dienstleistungen finden Sie unter [www.mkc-gmbh.de](http://www.mkc-gmbh.de)



## Case

- Robust and compact enclosure
- Mounting:
  - Top-hat rail mounting according to EN 60715
  - Tripod thread 1/4"-20 UNC
  - Stand
- Dimensions: 91 x 47.2 x 42 mm

## Galvanic isolation

- 3KV digitaler Eingang ↔ Gerät
- Trennstrecke zwischen einzelnen Klemmen und Gerät jeweils  $\geq 3\text{mm}$

## Communication interface

- RJ45, LAN Ethernet 10/100MBit
- M2M Communication
- MQTT Client
- HTTP Homepage
- REST JSON-API

## Other interfaces

- 2 RGB LEDs controllable with PWM

## Power supply

- PowerOverEthernet IEEE 802.3af

## 2x digital inputs

- $V_{IH}$ : 12..240V AC/DC
- $V_{IL}$ : 0..6V AC/DC
- Input resistance:  $>50\text{K}\Omega$
- sampling interval: approx. 2ms
- Weighted arithmetic mean as input filter
- LED status display

## Circular connector

- Lumberg 0314 04
- Mating connector available separately
  - e.g. Lumberg 0321 04

## Technische Daten

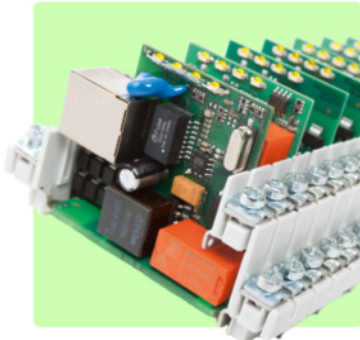
Dimensions LxWxH [mm]	91 x 47,2 x 42	
Ambient temperature [°C]		
- Operation	min: 0	max: 50
- Storage	min: -40	max: 80
Air humidity [% r.H.]	min: 0	max: 90
Power supply		
- Network PoE	IEEE802.3af, Class 0	
- Voltage [V]	min: 18	max: 48
- power consumption [W]	typ: 0,5	max: 3,84
Digital inputs		
Quantity	2	
Contacts	Input 1 is on contact 1 and 2 Input 2 is on contact 3 and 4	
$V_{IH}$	min: 12V AC/DC	max: 230V AC/DC
$V_{IL}$		max: 6V AC/DC
Input resistance	$\geq 50\text{K}\Omega$	
Galvanic isolation	$\geq 3\text{KV}$	
Wire cross-section [AWG]	min: 24	max: 16



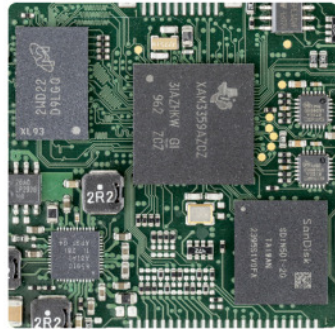
Weitere Informationen zu unseren Produkten und Dienstleistungen finden Sie unter [www.mkc-gmbh.de](http://www.mkc-gmbh.de)



SYSTEMS  
DEVICES  
PROTOTYPES



HARDWARE  
SOFTWARE  
DEVELOPMENT



develop

assemble

ASSEMBLY  
SMD / THT  
AOI



COMPETENCE  
QUALITY  
SERVICE

CONTROLLER  
LINUX  
NODE RED

EMBEDDED  
MODULES  
SENSORS

REMOTE IO  
REST / MQTT  
POE



Weitere Informationen zu unseren Produkten und Dienstleistungen finden Sie unter [www.mkc-gmbh.de](http://www.mkc-gmbh.de)

MKC Michels & Kleberhoff Computer GmbH  
42329 Wuppertal, Vohwinkeler Str. 58  
Tel.: 0202 / 27317-0, Fax: 0202 / 27317-49  
[info@mkc-gmbh.de](mailto:info@mkc-gmbh.de)