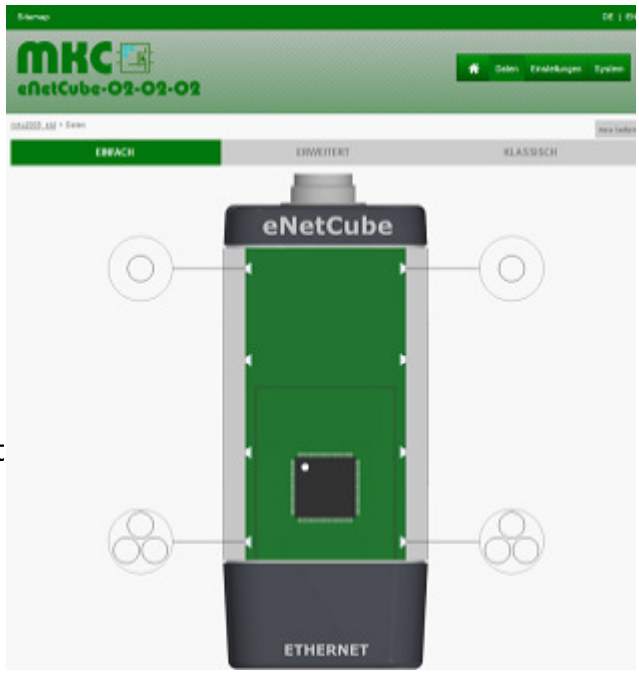
eNetCube-02-02-02 Datasheet

The eNetCube-02-02-02 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

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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
- Protection class: IP55

Galvanic isolation

- 3KV digitaler Eingang ↔ Gerät
- Trennstrecke zwischen einzelnen Klemmen und Gerät jeweils ≥ 3mm

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

- VIH: 12..240V AC/DC
- VIL: 0..6V AC/DC
- Input resistance: >50KΩ
- 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	3	
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	≥ 50KΩ	
Galvanic isolation	≥ 3KV	
Wire cross-section [AWG]	min: 24	max: 16

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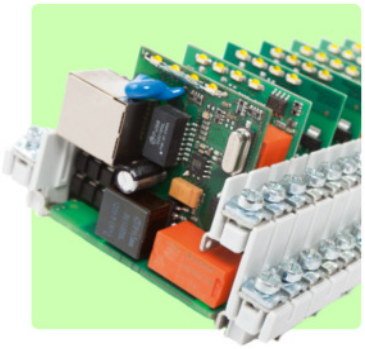
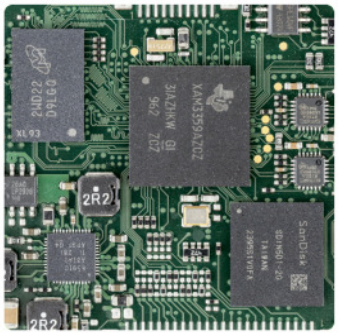
Datasheet

SYSTEMS
DEVICES
PROTOTYPES



HARDWARE
SOFTWARE
DEVELOPMENT



develop

test

assemble

ASSEMBLY
SMD / THT
AOI

COMPETENCE
QUALITY
SERVICE

CONTROLLER
LINUX
NODE RED

EMBEDDED
MODULES
SENSORS

REMOTE IO
REST / MQTT
POE

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