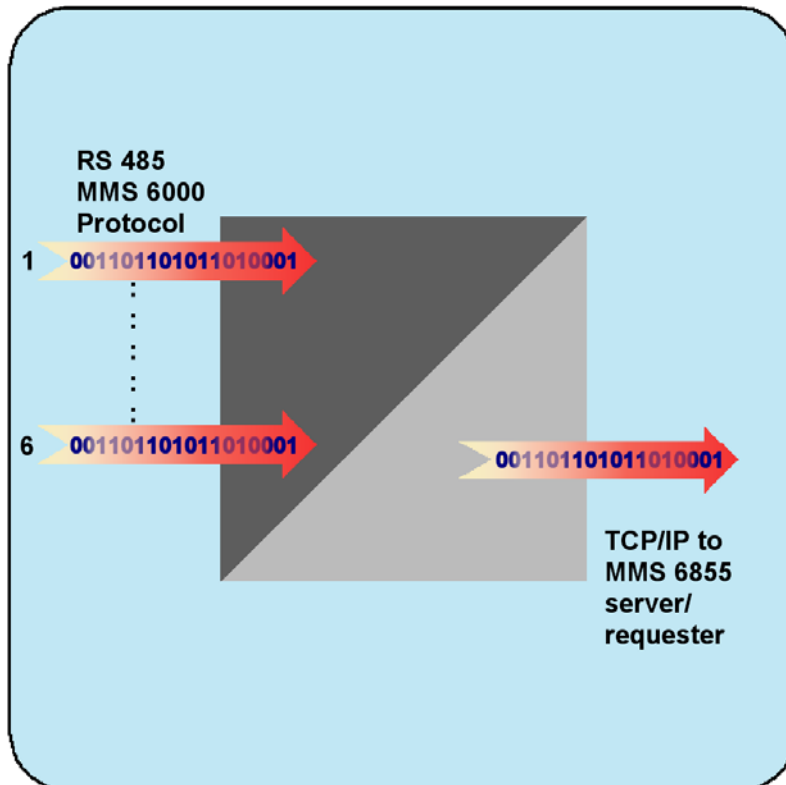# MMS 6825
Interface Card 6 x RS 485 to Ethernet TCP/IP

- **6 Inputs RS 485 epro - Protocol**

- **Data conversion to:**

- **ETHERNET TCP/IP**

- **Transmission of characteristically values, module and alarm states**

- **19" card, Euro format, 6TE**

- **Redundant power supply**

- **Up to 31 MMS 6000 modules per input**

Applications:

The **MMS 6825 Interface card** is a part of the **MMS 6000** machine monitoring system.
At today's supervision of machines the transmission of measured data to subsequent visualization- and analysis tools is getting more and more important.

The **MMS 6825** interface card provides these data. The card is used as interface between the RS 484 bus lines and the ETHERNET TCP/IP transmission network. Transmitted data are the relevant characteristically values as well as alarm limits and module states.

The RS 485 bus lines are connected via the 48 pin connector strip at the rear of the card. The TCP/IP network connector is placed on the front of the card. The TCP/IP connection is made with standard network cables and connectors of type RJ 45.

∎∎∎ epro ∎∎∎

Technical Data:

Data input (sixfold):
via 48 pin blade-connector strip on the rear of the card, RS 485 epro protocol, transmission rate up to 115 kBaud

Data output:
TCP/IP:
via a RJ45 socket on the front plate and with standard network cables
Data transmission standard:
ETHERNET 10 Base T

Supply voltage:
18....24....31.2 V DC redundant supply, according to IEC 654-2, class DC4

Power input:
max. 3 W

Environmental conditions
Protection class:
Modul:
IP 00 according DIN 40050
Front plate:
IP21 according DIN 40050

Climatic conditions:
according to DIN 40040 class KTF
Operating temperature range:
-10....+65°C

Temperature range for storage and transport:
-40....+85°C

Permissible relative humidity:
5....95%, nicht kondensierend

Permissible vibration:
according to IEC 68-2, part 6

Vibration amplitude:
0.15 mm in range 10...55 Hz

Vibration acceleration:
16.6 m/s^2 in range 55...150Hz

Permissible shock:
according to IEC 68-2, part 29
peak value of acceleration:
98 m/s^2
nominal shock duration:
16 ms

EMC resistance:
according to EN50081-1 / EN50082-2

Front view:

Dimensions:

Dimensions and weights:
PCB/EURO card format according to DIN41494 (100 x 160 mm)
Width: 30,0 mm (6 TE)
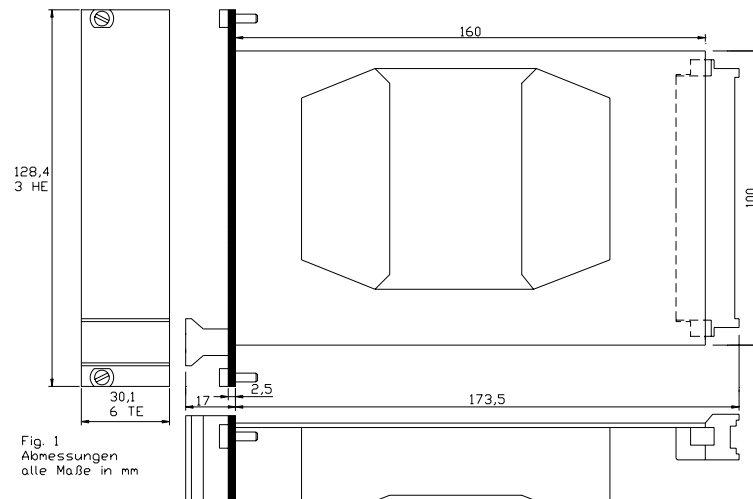Height: 128,4 mm (3 HE)
Length: 160,0 mm
Weight::
Net: app. 250 g
Gross: app. 450 g

Fig. 1
Abmessungen
alle Maße in mm

Transmitted data:

- Charateristical variables
- State of alarm outputs
- Module states
- Time functions
- Additional parameters

Order numbers:

MMS 6825	Interface card 6 x RS 485 to ETHERNET TCP/IP………….………………………………	**9100 – 00092**
MMS ParaKit	Operating accessories	**9510 – 00027**

Warning note:

Installation and commissioning of the transmitter may only be made by trained staff. The manufacturer is not liable for damages which were caused by improper use or by operation errors of not authorized persons.