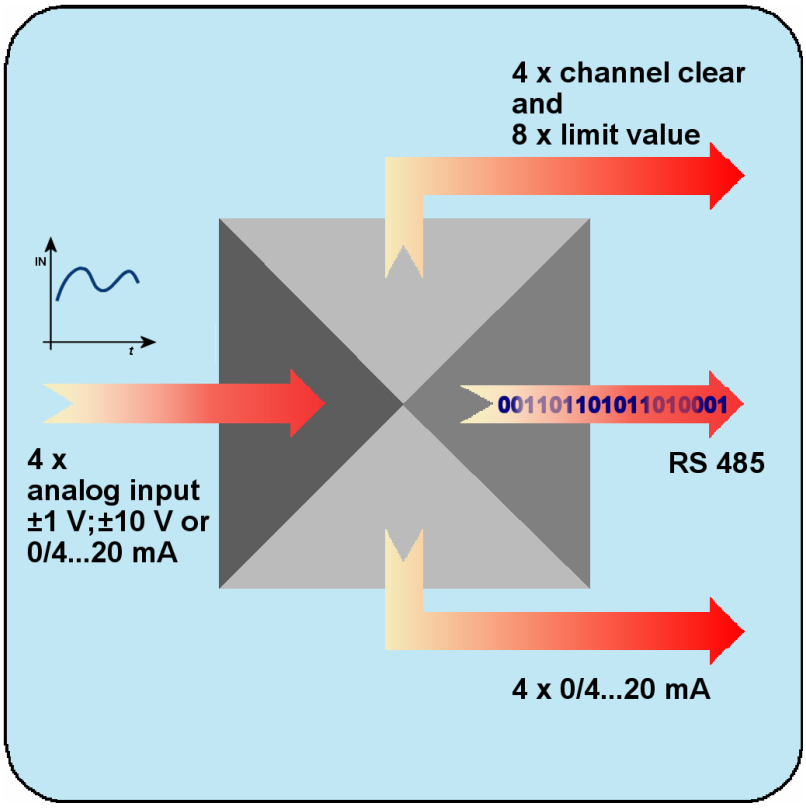
MMS 6620
I/O Card for up to four Analog Input Signals



- **4 analog input channels, optional ±1 V; ±10 V or 0/4...20 mA**
- **Conversion of the analog input signals on RS 485 epro protocol**
- **16 bit resolution**
- **Channel Clear supervision of the input channels**
- **Up to 8 limit values, to be freely assigned to the channels**
- **19" card, Euro format, 6 TE**
- **Programming via RS 232 front socket**
- **Redundant power supply of the binary outputs**
- **Redundant power supply of the card**

Applications:

The **MMS 6620** Analog Input card is part of the **MMS 6000** machine monitoring system.
At today's supervision of machines, the integration of external signals such as temperature, pressure, generator power etc. into post-connected visualization and analysis tools are getting more and more important.

The **MMS 6620** Analog Input Card provides these data.

The analog input signals are digitized on the card and provided to post-connected diagnosis / analysis tools via the RS 485 bus. Beside this, the input channels are supervised on their ok-state by means of the channel clear supervision function. Errors will be indicated via binary outputs.

Moreover, the card has 8 alarm channels with binary outputs, which can individually be assigned to the input channels.

The **MMS 6620** monitor is equipped with four galvanically separated current outputs, which convert the input signals into standard output signals (0/4…20mA).

The configuration of the **MMS 6620** Analog Input card is made via a RS 232 interface on the module front.

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Technical Data:

Analog inputs:
4 inputs voltage or current
±1 V or ±10 V
0/4…20 mA

Binary inputs:
4 Inputs 24 V logic

Analog outputs:
4 current outputs 0/4…20 mA galvanically separated, maximum burden 500 Ohm

Accuracy
Temperature error:
<0,25% / 10K
Linearity error (20°C)
<0,1%

Binary outputs:
4 outputs channel clear and 8 alarm outputs
Umax = 32 V
Imax = 100 mA

Configuration and bus system
RS 232 on the module front
RS 485 at the rear connector

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

Power consumption:
max. 5 W

Environmental conditions

Protection class:
Module:
IP 00 according to DIN 40050
Front plate:
IP21 according to DIN 40050

Climatic conditions:
according to DIN 40040 class KTF
Operating temperature range:
0....+65°C

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

Permissible relative humidity:
5....95%, non condensing

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

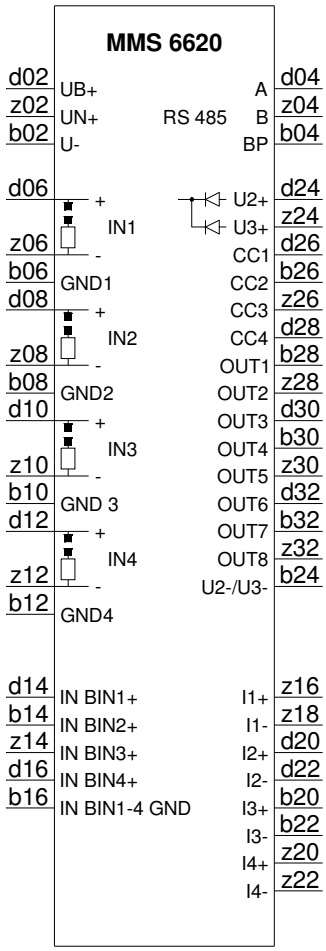
Vibration amplitude:
0.15 mm in range 10...55 Hz

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

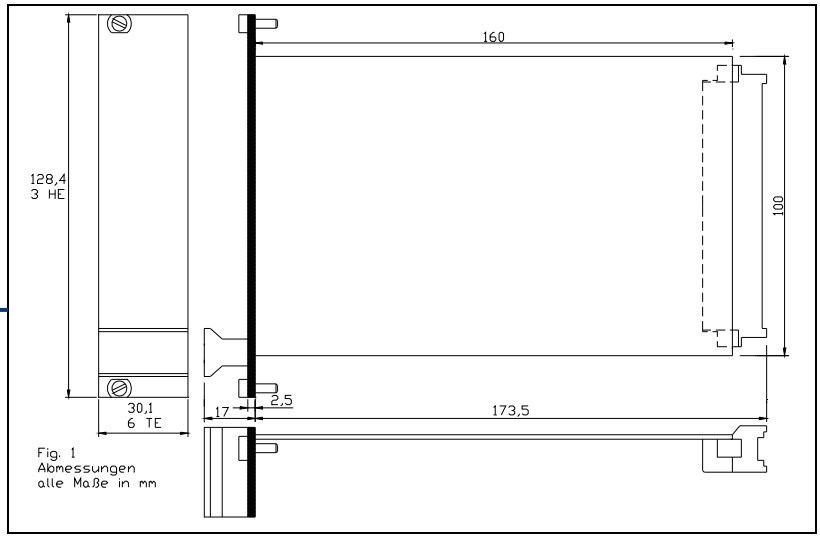
EMC resistance:
according to EN50081-1 / EN50082-2

Connections:



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: approx. 150gr. net
approx. 300gr. gross



Transmitted data:

- Characteristical variables
- State of alarm outputs
- Module states

Order numbers:

MMS 6620	Four channel analog input card with alarm channels	**9100 – 00086**
MMS 6920 W	Configuration software for MMS 6620	**9510 – 00019**

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6010 – 00056 11/05 V1.00