



KB-MVC-4.2

## Terminal

- Plug-spring pressure  
2x 8 pin, direct contact  
max. 1,5 qmm
- X3.1-6 Programmer connector /  
Display connector, BUS
- LED green = power on  
rot = programmer modus
- X1.1 Com.+ for button IN1-3  
X1.2 IN 1, button + (value lower)  
X1.3 IN 2, button - (value higher)  
X1.4 IN 3, button setpoint/actual value  
X1.5 IN 4, input actual value to display  
X1.6 GND, G0, ground
- X2.1-2 OUT 1, contact setpoint = closed  
X2.3 OUT 2, 0-10V setpoint  
X2.4 GND, G0, ground  
X2.5 OUT 3, 0-20mA setpoint  
X2.6 GND, G0, ground
- X1.7 - X2.7 24V AC/DC, power supply  
X1.8 - X2.8 " " " "

## Technical Data

- Com.+ for IN1-3, pin X1.1  
Input 1, pin X1.2  
(to Software)  
Input 2, pin X1.3  
(to Software)  
Input 3, pin X1.4  
(to Software)  
Input 4, pin X1.5  
(to Software)  
Output 1, pin X2.1-2  
N.O. contact  
Output 2, pin X2.3  
(to Software)  
Output 3, pin X2.5  
(to Software)  
Power supply  
Isolation power supply  
Operating temperature  
Storage temperature  
Construction  
Weight  
Dimensions
- +18V, max.30mA,for button C.  
external button, value +  
(digital input)  
external button, value -  
(digital input)  
external button, setpoint  
(digital input)  
0-10V (0-20mA or Sensor)  
precision 16 Bit  
max. 60V, max. 1A  
closed if display shows setpoint  
0-10V DC, max. 20mA  
(EVG: 1-10V)  
0-20mA, resistor max. 600 Ohm  
(4-20mA)  
24V AC/DC  
500 Vss  
-10 - +50°C  
-30 - +80°C  
PCB, TS35, EN50022  
150g  
61x75x53 mm (WxHxD)

The function of the converter can be appointed to the different applications by the software/firmware.  
Version KB-MVC-4.2: conversion from three buttons to norm signals 0-10V, EVG 1-10V, 0(4)-20mA, the PM 528 display shows the values.  
The buttons input 1-2 controls the setpoint output, the display shows the setpoint value. The button, input 3, switched the display to the setpoint value with a timer of 5 sec, now the contact output 1 is closed. The values of the analogue outputs 2-3 can be selected and adjusted in the programmer software. The cables were connected to the plug-spring pressure connector X1-2. Electrical isolation between power supply and controller ground, X1.7-8 and X2.7-8 are internally connected together.

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### CONTROLLER CONVERTER KB-MVC-4.2

- Input 1-4 input (1-3 digital, 4 digital or analogue to software/ firmware)  
Output 1 N.O. contact (is closed if display shows setpoint value)  
Output 2 0-10V DC, EVG 1-10V (to Software)  
Output 3 0(4)-20mA "  
Power supply 24 V AC/DC