

# USB-Interface-module UFC 430



## Hardware

- Black anodized aluminium housing for surface or wall mounting
- Dimension UFC 430 is 200 x 100 x 25 mm ( to outside of mounting flanges)
- Safety class IP30
- Max operating temperature +40°C
- Socket for external power supply
- One socket for USB connection (Type B)
- Three 15-pin Sub-D female connectors in high density version for 3 encoder inputs
- One 15-pin Sub-D male connector in high density version for additional IO connections

## Power supply

- External power supply +12 V (6 V - 16 V)
- Power consumption without loading (about 1 W)
- Power supply for encoders with 5 V  $\pm$ 5% max. 300 mA

## USB-Interface

- USB-Interface according specification 2.0

## Encoder-Interface

- Three Incremental channels for either sine or square wave encoder inputs
- Sinusoidal signal interface 1 Vpp (0,5 - 1,3 Vpp) max. 500 kHz  
signal interpolation times- 1- to times-400
- TTL-Interface (RS 422 Line Driver) max. 500 kHz  
signal input times-1,-2- or times-4 interpolation post quadrature with square wave signals via Line Driver
- One 32 bit counter with load- and latch register per encoder-channel
- 2 inputs for switch track signals per channel

## IO-Interface

- Four TTL-outputs for cascading a number of UFC cards
- Eight TTL-Inputs utilizing for cascading a number of UFC cards as external latch signal