



# Intuitive Human-Machine-Interface

582 Display Encoder



## Display Encoder

An intuitive and robust Human-Machine-Interface (HMI). High quality Rotary Encoder combined with a clear and bright display makes a very userfriendly way to operate your device. Interaction by turning and pushing is long proven technology. With an integrated display the user receives not only mechanical feedback, but also visual. The intuitive handling makes no further explanation necessary.

Built in STM32U5 controller enables modern graphics. Using the freeTouch GFX graphics tool allows you to easily design an attractive gui for your application. As a magnetic 2-bit incremental rotary encoder, this model is available with different operating forces for the turn and push function. Furthermore, WiFi and Bluetooth are available. Due to the robust and sealed (up to IP67) mechanical design, the Display-Encoder can be used also in heavy industrial environment.

- Magnetic 2-bit encoder
- 1,28" round TFT display
- 32 positions
- Push-Function
- USB C or CANBUS interface
- IP67 or IP54 sealing

Optional:

- Bluetooth/WiFi
- Indirect illumination (Corona-Effekt)

### Need a unique twist ?

The operation ring can be adjusted to your needs; material, shape and colour.

Also various torques and two-stage push function can be implemented.

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## 1,28" Display

Resolution: 240x240

Brightness: 450 cd/m<sup>2</sup>

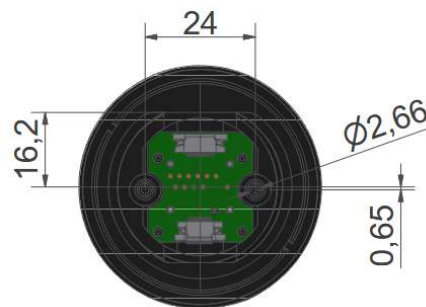
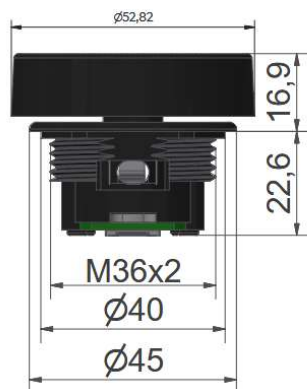
Active area: 32,4 mm Ø

## Encoder

Rotational life: 1.000.000 rotations

Torque / Positions : 3 Ncm / 32

Signal interpretation: Incremental



## Interface

USB C

CANBUS

WiFi and Bluetooth

## Push button switch

Push life: 500.000 cycles

Push force: 6 N

## Micro Controller

STM32U535

## Environmental

IP 63 or IP67 sealing

-20 - +70C Operating temp

-30 - +80C Storage temp

## Electrical

Serial 3,3V DC operationg voltage

Max 150 mA operationg current

## Programming

Free TouchGFX GUI software package

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