

# IFS-OP-UNIT - Operator interface



2811899

<https://www.phoenixcontact.com/us/products/2811899>

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The operator interface facilitates straightforward parameterization and operation of the MACX MCR(-EX)-...-UI(REL)(-UP) on-site, even without software. Can be snapped onto the 35 mm module. Replacement part: 2905872 IFS-BT-PROG-ADAPTER.

## Your advantages

- Local display of actual values
- Easy guided operation
- Operating and display unit can be snapped directly onto compatible devices with a housing width of 35 mm
- Installation in zone 2 permitted

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2811899                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C402                           |
| Product key                          | DK111Z                         |
| GTIN                                 | 4046356308106                  |
| Weight per piece (including packing) | 64.3 g                         |
| Weight per piece (excluding packing) | 47.7 g                         |
| Customs tariff number                | 85312095                       |
| Country of origin                    | DE                             |

## Technical data

### Product properties

|              |                    |
|--------------|--------------------|
| Product type | Operator interface |
|--------------|--------------------|

### Connection data

#### PC side

|                   |                 |
|-------------------|-----------------|
| Connection method | S-PORT (socket) |
|-------------------|-----------------|

#### Measuring transducer side

|                   |                         |
|-------------------|-------------------------|
| Connection method | S-PORT (male connector) |
|-------------------|-------------------------|

### Dimensions

|        |       |
|--------|-------|
| Width  | 35 mm |
| Height | 99 mm |
| Depth  | 20 mm |

### Material specifications

|                  |                 |
|------------------|-----------------|
| Color            | gray (RAL 7042) |
| Housing material | PA 6.6          |

### Environmental and real-life conditions

#### Ambient conditions

|   |                                      |
|---|--------------------------------------|
| Ambient temperature (operation)         | -20 °C ... 65 °C (-4 °F ... 149 °F)  |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (-40 °F ... 185 °F) |
| Altitude                                | ≤ 2000 m                             |
| Permissible humidity (operation)        | 90 % (at 25 °C, non-condensing)      |

### Approvals

#### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

#### ATEX

|                |                              |
|----------------|------------------------------|
| Identification | ⊕ II 3G Ex nA ic IIC T4 Gc X |
| Certificate    | IBExU 10 ATEX B008 X         |

#### IECEX

|                |                     |
|----------------|---------------------|
| Identification | Ex nA ic IIC T4 Gc  |
| Certificate    | IECEX IBE 10.0012 X |

#### UL, USA/Canada

|                |                                       |
|----------------|---------------------------------------|
| Identification | UL 508 Listed                         |
|                | Class I, Div. 2, Groups A, B, C, D T6 |
|                | Class I, Zone 2, Group IIC T6         |

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## Shipbuilding approval

|                |                    |
|----------------|--------------------|
| Identification | C, EMC2            |
| Certificate    | DNV GL 11 564-14HH |

## EMC data

|                               |                                |
|-------------------------------|--------------------------------|
| Electromagnetic compatibility | Conformance with EMC directive |
| Noise immunity                | EN 61000-6-2                   |

## Noise emission

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-6-4 |
|-----------------------|--------------|

## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-50<br>An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
|--|--|

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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