## JUMPFLEX ${ }^{\circledR}$ Transducers

## Isolation amplifier, configurable with digital output



## Short description:

The software-configurable 857-401 Isolation Amplifier is used to convert, amplify, filter and electrically isolate analog standard signals. The device has a 3way isolation with a 2.5 kV test voltage. DIP switches accessible from the side can be used to configure the signals in both input and output.
In addition to standard signals, bipolar ( $\pm 10 \mathrm{~V}, \pm 20 \mathrm{~mA}$ ) and 0 to 30 V signals can also be set on the input side. The analog output supports standard unipolar signals. In addition, the devices can be configured using FDT/DTM software. The software offers additional setting options such as special input and output signal combinations with intermediate values or inversion of the analog output. Measurement range switching is calibrated. A digital switching output is available that can also be configured using soffware.

| Description | Item No. | Pack. <br> Unit |
| :---: | :---: | :---: |
| Isolation amplifier, configurable | 857-401 | 1 |
| with digital output |  |  |
| Accessories |  |  |
| Configuration software | - 759-370 FDT Frame Application |  |
|  | - DTM (Device Tool Manager) |  |
|  | Download: see www.wago.com |  |
| WAGO USB Service Cable | 750-923 |  |
| General accessories | see pages 222-223 |  |
| Approvals |  |  |
| Shipbuilding | © (pending) |  |
| (0) (0) ANSI/ISA 12.12.01 | Class I Div2 ABCD T4 |  |
| Conformity marking | C $\epsilon$ |  |
| General Specifications |  |  |
| Dimensions (mm) W $\times \mathrm{H} \times \mathrm{L}$ | $6 \times 96 \times 94$ |  |
|  | Height from upper-edge of DIN 35 rail |  |
| Wire connection | CAGE CLAMP® ${ }^{\text {® }}$ S |  |
| Cross sections | solid: $0.08 \mathrm{~mm}^{2} \ldots 2.5 \mathrm{~mm}^{2}$ / |  |
|  | AWG 28 ... 12 |  |
|  | fine-stranded: $0.34 \mathrm{~mm}^{2} \ldots . .2 .5 \mathrm{~mm}^{2} /$ |  |
|  | AWG $22 . . .12$ |  |
| Stripped lengths | 9 ... $10 \mathrm{~mm} / 0.37 \mathrm{in}$ |  |

The device is supplied with 24 VDC , which can be commoned using lateral push-in type jumper bars in a quick and cost effective way. A green LED on the front panel indicates normal operation. The isolation amplifier meets the requirements for safe isolation of input, output and supply circuits with 2.5 kV test voltage according to EN 61140.



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