

# Process displays

|                             |                                                                   |                  |
|-----------------------------|-------------------------------------------------------------------|------------------|
| <b>LED process displays</b> | <b>Standard signals with Min / Max value detection, totalizer</b> | <b>Codix 534</b> |
|-----------------------------|-------------------------------------------------------------------|------------------|



Cost-effective standard signal display for front panel mount with scalable bright 5-digit LED display.

The 14 bit resolution ensures an accurate measuring value display range with minimum and maximum value detection and scalable totalizer for time-controlled summation of the measured value.



|                                            |                              |                          |                             |                                 |                                        |                                   |                                            |                                  |                           |                        |
|--------------------------------------------|------------------------------|--------------------------|-----------------------------|---------------------------------|----------------------------------------|-----------------------------------|--------------------------------------------|----------------------------------|---------------------------|------------------------|
| <b>DC</b><br>10 ... 30 V<br>Supply voltage | <br>mA, V<br>Display scaling | <br>14 bit<br>Resolution | <br>Menu-driven programming | <br>AC/DC<br>Galvanic isolation | <br>-20°... +65°C<br>Temperature range | <br>IP65<br>High protection level | <br>min / max<br>Min / Max value detection | <br>DIN 48x24<br>DIN front bezel | <br>5 LEDs<br>LED display | <br>Totalizer function |
|--------------------------------------------|------------------------------|--------------------------|-----------------------------|---------------------------------|----------------------------------------|-----------------------------------|--------------------------------------------|----------------------------------|---------------------------|------------------------|

## Product features

- Input range:  
1 current measuring input, 1 voltage measuring input.
- Compact display for standard signals.
- Display range -19 999 ... 99 999 with leading zeros suppression and programmable decimal point.
- Modern industrial design.
- Fast measuring time of max. 0.1 second.

## Benefits

- Galvanic isolation with protection against incorrect polarity.
- Autom. Min / Max value detection.
- Totalizer with programmable factor, divisor and decimal point.
- Freely programmable characteristic curve end points to adapt the desired display value.
- Input for display hold or reset input for Min / Max value and totalizer.

## Order no.

**Display for analog signals with Min / Max value detection and totalizer**

**6.534.012.300**

**Stock types**  
**6.534.012.300**

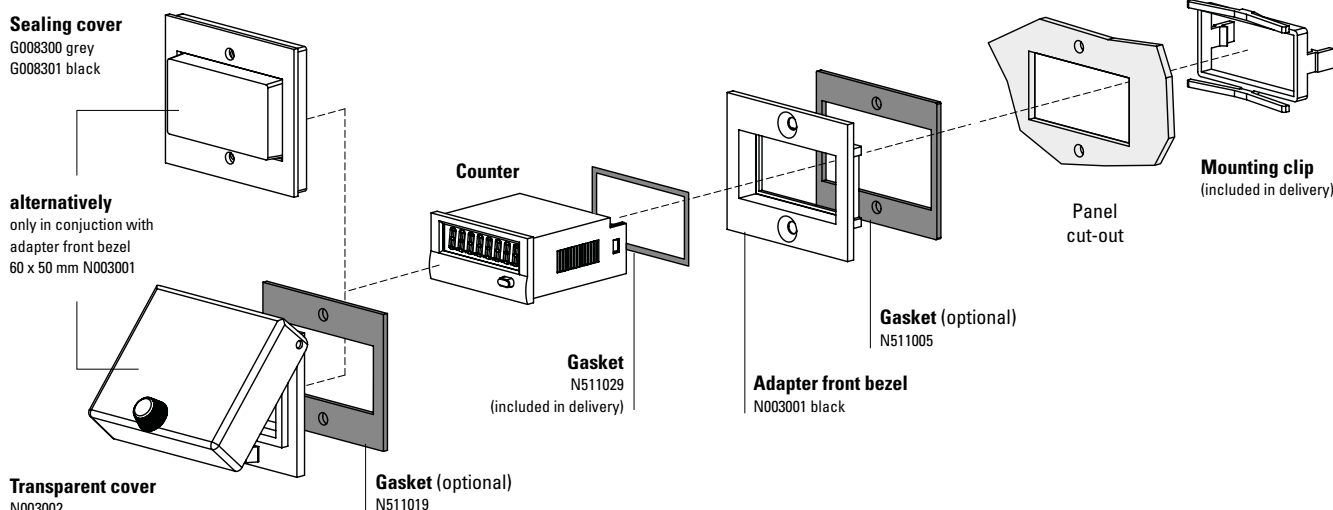
### Delivery specification

- Digital display
- Mounting clip
- Gasket
- Front bezel for screw mounting (T008181) 56 x 40 mm [2.20 x 1.57"], panel cut-out 50 x 25 mm [1.97 x 0.98"]
- Front bezel for clip mounting (T008180) 53 x 28 mm [2.09 x 1.10"], panel cut-out 50 x 25 mm [1.97 x 0.98"]
- 1 set of self-adhesive symbols
- Instruction manual, multilingual

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## Accessories / Mounting examples



|                               |  | Type / size                                           | Description                                                                                                                     |                                                 | Order no.                        | suitable gasket |
|-------------------------------|--|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|-----------------|
| <b>Adapter front bezel</b>    |  | <b>53 x 28 mm</b><br>[2.09 x 1.10"]                   | for cut-out 50 x 25 mm [1.97 x 0.98"]<br>to cut-out 45 x 22.2 mm [1.77 x 0.94"]                                                 | black<br>anthracite                             | <b>T008165</b><br><b>T008180</b> | <b>N511015</b>  |
|                               |  | <b>56 x 40 mm</b><br>[2.20 x 1.57"]                   | for cut-out 50 x 25 mm [1.97 x 0.98"]<br>to cut-out 45 x 22.2 mm [1.77 x 0.94"]<br>screw mounting                               | black<br>anthracite                             | <b>T008161</b><br><b>T008181</b> | <b>N511045</b>  |
|                               |  | <b>72 x 36 mm</b><br>[2.83 x 1.42"]                   | for cut-out 68 x 33 mm [2.68 x 1.30"]<br>to cut-out 45 x 22.2 mm [1.77 x 0.94"]                                                 | black and<br>silver<br>anodised<br>as set       | <b>162704Set</b>                 | —               |
|                               |  | <b>60 x 50 mm</b><br>[2.36 x 1.97"]                   | for cut-out 54 x 29 mm [2.13 x 1.14"]<br>to cut-out 45 x 22.2 mm [1.77 x 0.94"]<br>screw mounting                               | black                                           | <b>N003001</b>                   | <b>N511005</b>  |
|                               |  | <b>48 x 48 mm</b><br>[1.89 x 1.89"]                   | for cut-out 45 x 45 mm [1.77 x 1.77"]<br>to cut-out 45 x 22.2 mm [1.77 x 0.94"]                                                 | black                                           | <b>T008883</b>                   | —               |
| <b>Sealing cover IP65</b>     |  | <b>K1</b>                                             | only in conjunction with adapter front bezel<br>60 x 50 mm N003001                                                              | transparent /<br>grey<br>transparent /<br>black | <b>G008300</b><br><b>G008301</b> | —               |
| <b>Transparent cover IP65</b> |  | <b>1 Dv</b><br>(mounted on<br>bezel)                  | cover lockable,<br>for cut-out 54 x 29 mm [2.13 x 1.14"],<br>only in conjunction with adapter front bezel<br>60 x 50 mm N003001 | transparent /<br>black                          | <b>N003002</b>                   | <b>N511019</b>  |
| <b>Gasket counter</b>         |  |                                                       | 48 x 24 mm (for installation in adapter front bezel)<br>49 x 25 mm                                                              |                                                 | <b>N511029</b><br><b>N511034</b> |                 |
| <b>Mounting frame</b>         |  | <b>cut-out</b><br><b>50 x 25 mm</b><br>[1.97 x 0.98"] | via adapter T008180<br>for snap-on mounting on<br>35 mm [1.38"] top-hat DIN rail                                                | chromated                                       | <b>G300004</b>                   | —               |
| <b>Enclosure blind</b>        |  | <b>48 x 24 mm</b><br>[1.89 x 0.94"]                   | for cut-out 45 x 22.2 mm [1.77 x 0.94"]<br>and cut-out 50 x 25 mm [1.97 x 0.98"]                                                | anthracite                                      | <b>G003836</b>                   | —               |

incl. in delivery

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## Technical data

| General technical data       |                                                           |
|------------------------------|-----------------------------------------------------------|
| <b>Display</b>               | 5 digits, red 7 segment LED display;<br>8 mm [0.32"] high |
| <b>Measuring rate</b>        | 10 or 2 measurements/second                               |
| <b>Data backup</b>           | EEPROM                                                    |
| <b>Operating temperature</b> | -20 °C ... +65 °C [-4°F ... +149°F]<br>(non-condensing)   |
| <b>Storage temperature</b>   | -25 °C ... +70 °C [-13°F ... +158°F]                      |

| Electrical characteristics |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| <b>Supply voltage</b>      | 10...30 V DC, galvanically isolated with<br>integrated reverse polarity protection |
| <b>Current consumption</b> | max. 50 mA                                                                         |

| Mechanical characteristics                       |                                                                                        |
|--------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Housing</b>                                   | front panel mount 48x24 mm<br>[1.89 x 0.94"] acc. to DIN 43700;<br>RAL 7021, dark grey |
| <b>Protection</b>                                | IP65 (front side)                                                                      |
| <b>Weight</b>                                    | approx. 50 g [1.76 oz]                                                                 |
| <b>Vibration resistance</b> acc. to EN 60068-2-6 | 10 ... 55 Hz / 1 mm [0.04"] / 30 min                                                   |
| <b>Shock resistance</b> acc. to EN 60068-2-27    | 100 G: 2 ms<br>10 G: 6 ms                                                              |
| <b>Connections</b>                               | screw terminal,<br>pitch 5.08 mm [2"], 7 pin                                           |

| Inputs                           |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input current measurement</b> | 0 ... 20 mA<br>(display range -0.5 ... 20.5 mA,<br>programmable)<br>4 ... 20 mA<br>(display range 3.5 ... 20.5 mA,<br>programmable)<br>current limitation<br>voltage drop<br>50 mA<br>max. 2 V DC         |
| <b>Input voltage measurement</b> | 0 ... 10 V<br>(display range -0.5 ... 10.5 V,<br>programmable)<br>2 ... 10 V<br>(display range 1.5 ... 10.5 V,<br>programmable)<br>input resistance<br>max. input signal level<br>approx. 1 MΩ<br>30 V DC |
| <b>Control inputs</b>            | HIGH 4 ... 30 V DC<br>LOW 0 ... 2 V DC                                                                                                                                                                    |
| <b>Resolution</b>                | 14 bit                                                                                                                                                                                                    |
| <b>Accuracy</b>                  | < 0.1 % ± 1 digit<br>for the whole measuring<br>range at an operating temperature<br>of 20 °C [68°F]                                                                                                      |
| <b>Temperature drift</b>         | < 70 ppm/K <sub>Ambient</sub>                                                                                                                                                                             |

| Approvals                              |                  |
|----------------------------------------|------------------|
| <b>UL compliant</b> in accordance with | File no. E128604 |
| <b>CE compliant</b> in accordance with |                  |
| EMC Directive                          | 2014/30/EU       |
| RoHS Directive                         | 2011/65/EU       |

## Terminal assignment

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | PIN               |
|---|---|---|---|---|---|---|-------------------|
|   |   |   |   |   |   |   | 10 ... 30 V DC    |
|   |   |   |   |   |   |   | GND               |
|   |   |   |   |   |   |   | GND               |
|   |   |   |   |   |   |   | Latch             |
|   |   |   |   |   |   |   | 0 (4) ... 20 mA   |
|   |   |   |   |   |   |   | Analog GND        |
|   |   |   |   |   |   |   | 0 (2) ... 10 V DC |

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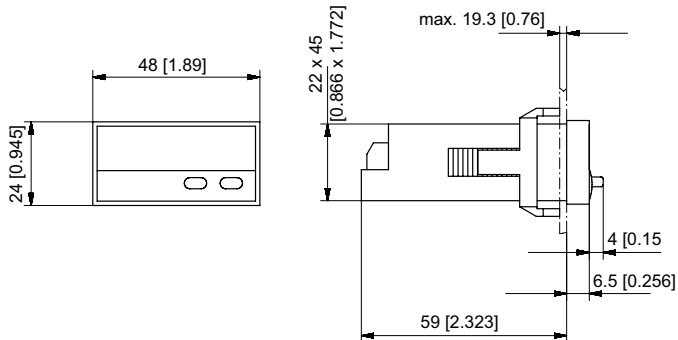
## LED process displays

## Standard signals with Min/Max value detection, totalizer

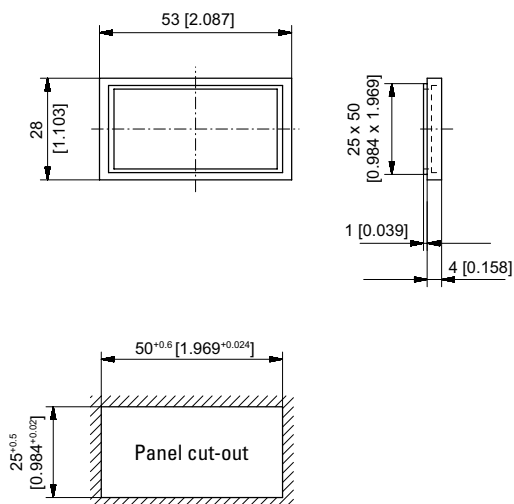
## Codix 534

### Dimensions

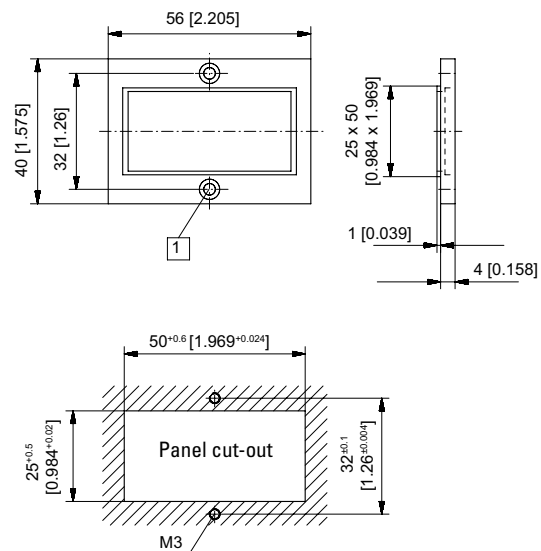
Dimensions in mm [inch]



### Front bezel for clip mounting (included in delivery)



### Front bezel for screw mounting (included in delivery)



1 Countersinking Af3, DIN 74