

ACT20D-LCD-CI-ILP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Suitable for field mounting to display an analog 4- 20 mA signal.

The digital indicator is looped into the current loop.

Features:

- No separate supply voltage is required.
- For industrial environments, mounted in the control cabinet door, the protection class is IP65.
- Even in unfavourable lighting conditions, the display value is clearly visible.

General ordering data

| | |
|------------|--|
| Version | Display, Input : 4-20 mA, (loop powered), HART® transparency, Output : Display |
| Order No. | 2920000000 |
| Type | ACT20D-LCD-CI-ILP |
| GTIN (EAN) | 4099986580336 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 120 mm | Depth (inches) | 4.724 inch |
| Height | 48 mm | Height (inches) | 1.89 inch |
| Width | 96 mm | Width (inches) | 3.78 inch |
| Net weight | 262 g | | |

Temperatures

| | | | |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -20 °C...60 °C | Operating temperature | -20 °C...60 °C |
| Humidity | 0...95 % (no condensation) | | |

Display

| | | | |
|------------------------------------|---------------------------------|---------------|---------------------------------------|
| Adjustment of display backlighting | 0%, 50%, 100% | Decimal point | 18888, 1.8888, 18.888, 188.88, 1888.8 |
| Dimmable | Yes | Display range | -9999...9999 |
| Display value | Current | Scaling | Variable |
| Type | 4-character, LCD display, 16 mm | | |

General data

| | | | |
|-------------------------|---|------------------------------|--|
| Accuracy | <0.1 % of measuring range | Configuration | Front push-button, DIP switch to lock / unlock the front push-button |
| DIN Rail compatibility | No | HART® transparency supported | Yes |
| Protection degree | IP20, IP65 (in plugged condition), IP65 | Step response time | ≤1s |
| Temperature coefficient | ≤ 0.01 °C of measuring range / °C | Type of connection | Tension clamp connection with actuator |
| Type of mounting | Frontpanel mounting, Front mounting | Voltage supply | Loop powered, via 4...20 mA input |

Input

| | | | |
|------------------------------|---|------------------|--|
| HART® transparency supported | Yes | Input current | 4...20mA |
| Input measurement range | 3.6 ... 23 mA (NAMUR NE43 conform) | Number of inputs | 1 |
| Response time | ≤ 1 s | Sensor | Current source, 4- wire sensor (with own power supply) |
| Voltage drop, current input | without backlight <1.5 V @ 20 mA, half backlight <6.5 V @ 20 mA, full backlight <10.5 V @ 20 mA | | |

Connection data

| | | | |
|--|----------------------|--|--|
| Wire connection method | Screw connection | Type of connection | Tension clamp connection with actuator |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | Wire connection cross section, finely stranded, max. | 2.8 mm ² |

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| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000677 | ETIM 7.0 | EC000677 |
| ETIM 8.0 | EC000677 | ETIM 9.0 | EC000677 |
| ECLASS 9.0 | 27-14-31-10 | ECLASS 9.1 | 27-21-03-01 |
| ECLASS 10.0 | 27-14-31-10 | ECLASS 11.0 | 27-14-31-10 |
| ECLASS 12.0 | 27-14-31-10 | ECLASS 13.0 | 27-14-31-10 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | f4905d12-f516-4eb5-90a8-8c87685bc956 |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

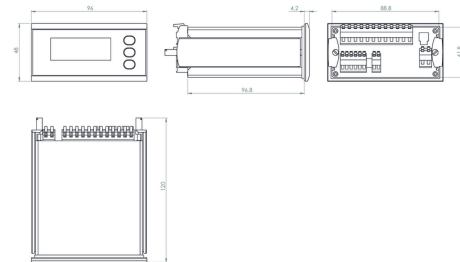
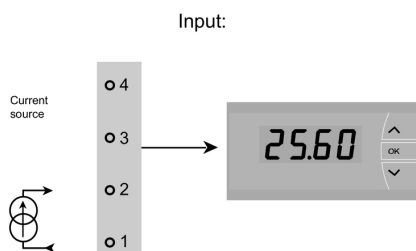
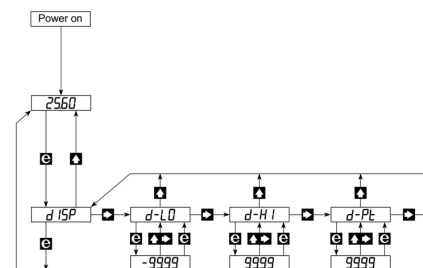
Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | RCM certification Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Instruction sheet |
| Catalogues | Catalogues in PDF-format |

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Drawings
Dimensioned drawing

Wiring diagram

Menu

setting

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www.weidmueller.com**Accessories****Process value indicators with LED display - ACT20D**

Devices in this series display universal analogue process values.

Depending on the version, the devices convert/isolate the signals into an analogue current signal and have additional limit value relays which switch further signals. Features:

- Several sensor variants can be processed.
- An auxiliary power supply is required.
- Even in unfavourable lighting conditions, the display value is clearly visible.

General ordering data

| | | |
|------------|----------------------------|---------------|
| Type | PROTECTIVE COVER | Version |
| Order No. | 2964330000 | Display, Hood |
| GTIN (EAN) | 4099986768086 | |
| Qty. | 1 pc(s). | |