Data sheet

ACT20D-LCD-CI-ILP

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.
- HART®-transparent
- Adjustable scaling of the display

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 items

ACT20D-LCD-CI-ILP

Technical data

Approvals

Approvals			
ROHS	Conform		

Dimensions and weights

Depth	120 mm	Depth (inches)	4.7244 inch
Height	48 mm	Height (inches)	1.8898 inch
Width	96 mm	Width (inches)	3.7795 inch
Net weight	262 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	f4905d12-f516-4eb5-90a8-8c87685bc956

Display

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

General data

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

Input

Sensor	Current source, 4- wire sensor (with own power supply)	Number inputs	1
Input measurement range	3.6 ... 23 mA (NAMUR NE43 conform)	Input current	4...20mA

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ACT20D-LCD-CI-ILP

Technical data

Type of signal forwarding according to HART®	unchanged	Response time	≤ 1 s
HART® transparency supported	Yes	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

Output

Type	active

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 mm²	Wire connection cross section, finely stranded, max.	2.08 mm²

Classifications

ETIM 8.0	EC000677	ETIM 9.0	EC000677
ETIM 10.0	EC000677	ECLASS 14.0	27-14-31-10
ECLASS 15.0	27-14-31-10		

ACT20D-LCD-CI-ILP

Drawings

Dimensioned drawing

Wiring diagram

Input:

Current
source

25.60

Menu

Power on

2560

d ISP   d-LO   d-H I   d-Pt

-9999   9999   9999
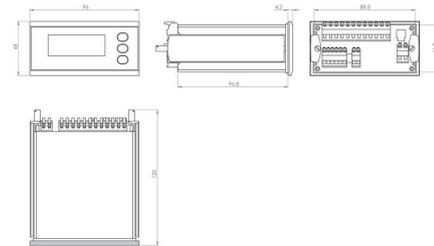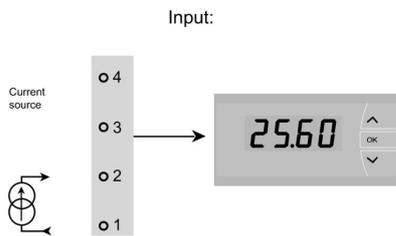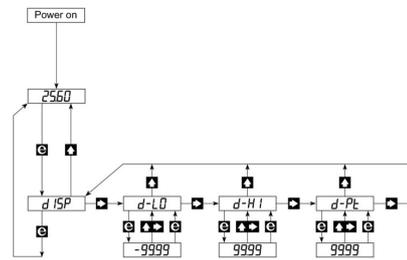
setting

ACT20D-LCD-CI-ILP

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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, Input : Protective cover for ACT20D-... Process value
GTIN (EAN)	4099986768086	indicator, Output : Potentiometer, Temperature, thermocouple
Qty.	1 ST	