

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)
Type of signal forwarding according to HART®	unchanged	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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Technical data**Classifications**

ETIM 6.0	EC000677	ETIM 7.0	EC000677
ETIM 8.0	EC000677	ETIM 9.0	EC000677
ETIM 10.0	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	ECLASS 14.0	27-14-31-10
ECLASS 15.0	27-14-31-10		

Environmental Product Compliance

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
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

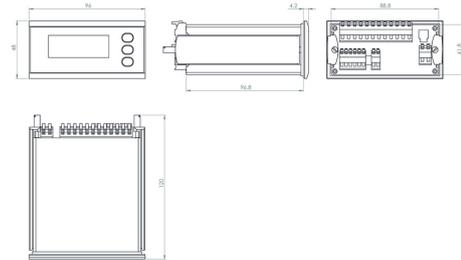
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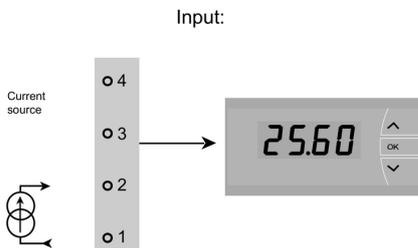
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Drawings

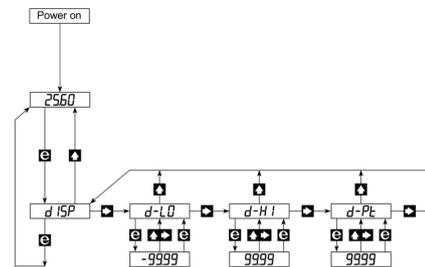
Dimensioned drawing



Wiring diagram



Menu



setting

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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 : I/U universal, 0-20 mA, HART® transparent,
GTIN (EAN)	4099986768086	Output : Potentiometer, Temperature, thermocouple
Qty.	1 pc(s).	