digital display UDA 50-   -A & -B

features

- 4-digits LED digital display, red display, other colors on request
- display range -1999 to 9999, decimal point programmable
- galvanic isolation between input and power supply
- front Programmable via 3 buttons
- min / Max-value acquisition
- degree of protection IP65 (see installation and assembly note)
- electrical connection with plug-in terminals
- low installation depth of 36 mm

- on request, the device is preconfigured in our calibration lab
  and / or calibrated for use with ISO9000 according to your specifications.

UDA 50-2-A-0

technical data

dimensions	housing B48 x H24 x T36 mm, (including plug-in terminal T=54 mm) mounting cutout 45,0$_{+0.8}$ x 22,2$_{+0.6}$ mm fixing screw for wall thicknesses up to 3 mm housing material PC Polycarbonat, black sealing material EPDM, 65 Shore, black degree of protection front IP65 standard, back IP00 weight about 100 g connector block; cable cross-section up to 2,5 mm²
display	display 4-digits digit height 10 mm segment color red (standard), optionally available in green, blue or orange display range -1999 up to 9999 limit values optical display flashing overflow horizontal bars at the top underflow horizontal bars at the bottom display time/measurement time 0.1 to 10.0 seconds
measuring input PT 100 (-A)	measuring range -200°C…850°C / -328°F…1562°F measuring error 0,1 % measuring range, ± 1 digit temperature drift 100 ppm/K measuring time 0,1 … 10,0 seconds measuring principle U/F-conversion dissolution about 0,1°C or 0,1°F
analog input (-B)	measuring span -12…12 V / -22…24 mA measuring range 0-10 VDC / 0/4-20 mA input resistance Ri bei ~200 kΩ / Ri bei ~100 Ω measuring error 0,1 % of measuring range, ± 1 digit / 0,1 % of measuring range, ± 1 Digit temperature drift 100 ppm/K measuring time 0,1 … 10,0 seconds measuring principle U/F conversion dissolution about 18 Bit 1s measuring time
adapter	supply 24 VDC ± 10 %, galvanically isolated (max. 1 VA)
environmental con.	operating temperature 0 to + 60°C (option -40°C...+80°C) storage temperature -20 to + 80°C air density relative humidity 0-85 % on average without condensation

installation and mounting instructions

To achieve IP65 degree of protection at front panel mounting, the supplied seal between the panel cutout and the device must be mounted. Here unnecessary bruising should be avoided.

ordercode: UDA 50...   order-example: UDA 50-2-A

power supply

-2   24VDC +/-10 %

sensor input

-A   PT 100
-B   analog input 0/4-20 mA and 0...10 VDC

option

-0   no option
-9   HEAVY DUTY design - extended operating temperature range -40°C...+80°C

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