

Product Information

Standard Signal Panelmeter SZ9648



- Measuring input for standard signals 0/4..20 mA or 0..10 V and Potentiometer
- Integrated transmitter supply
- LED-Display 14.2 mm red, indicating range $\pm 9999(0)$ Digit
- Max. 4 alarm outputs, relay SPDT or transistor

Characteristics

The Standard Signal Panelmeter S9648 has been designed for measuring industry standard signals 0/4..20 mA or 0..10 V DC. The device offers an integrated transmitter supply for direct connection of 2- and 3-wire transmitters for e.g. pressure or temperature. Indicating range and decimal point are free programmable in the range $\pm 9999(0)$ digit.

Technical data

Power supply

Supply voltage : 230 V AC $\pm 10\%$; 115 V AC $\pm 10\%$;
24 V AC $\pm 10\%$ or 24 V DC $\pm 15\%$

Power consumption : max. 3.5 VA

Operating temp. : -10..+55 °C

Conformity : CE

Input

Current : 0/4..20 mA $R_i = 10\ \Omega$

Voltage : 0..10 V $R_i = >100\ k\Omega$

Potentiometer : 0..1 k Ω / 100 k Ω

Accuracy : $< 0.1\% \pm 2$ digit

Transmitter supply : U0 approx. 24 V, R_i ca. 150 Ω , max. 50 mA
(max. 25 mA with 4 relays)

Display : LED red, 14.2 mm

Indicating range : $\pm 9999(0)$ Digit with leading zero suppression

Parameter display : LED 2-digit red, 7 mm
(parameter - and output indicator)

Output

Relay : SPDT $< 250\ V\ AC < 250\ VA < 2\ A$,
 $< 300\ V\ DC < 50\ W < 2\ A$

Transistor : max. 35 V AC / DC, 100mA,
short circuit proof

Analog : 0/4..20 mA burden $\leq 500\ \Omega$; 0/2..10 V burden
 $> 500\ \Omega$, isolated
automatically output changing

- Accuracy : 0.1 %; TK 0.01 %/K

Case : panel case DIN 96x48,
material PA6-GF; UL94V-0

Dimensions : front 96x48 mm, mounting depth 100mm

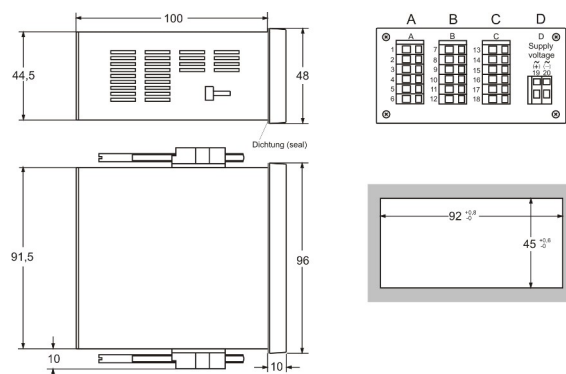
Weight : max. 390 g

Connection : clamp terminals, 0.08..1.5 mm²,
AWG28..AWG14

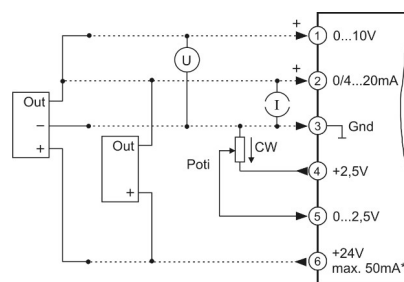
Protection class : front IP65, terminals IP20 acc. to BGV A3

Display

Dimensions



Connection diagram



Ordering code

S9648 - 1. - 2. - 3. - 4. - 5. - 6. - 7.

1. Terminal strip A

1	input standard signals, 0/4..20 mA, 0..10 V DC and potentiometer, integrated transmitter supply 24 V max. 50 mA*
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2. Terminal strip B

00	not installed
2R	2 relay outputs
2T	2 electronic outputs
S1**	2. input standard signals, integrated transmitter supply 24 V max. 50 mA*

3. Terminal strip C

00	not installed
2R	2 relay outputs
2T	2 electronic outputs
AO	analog output 0/4..20 mA, 0/2..10 V

4. Terminal strip D; supply voltage

0	230 V AC $\pm 10\%$ 50-60Hz
1	115 V AC $\pm 10\%$ 50-60Hz
4	24 V AC $\pm 10\%$ 50-60Hz
5	24 V DC $\pm 15\%$

5. Options

00	without option
01	min-and max-peak hold
02	difference-, average-, larger-, smaller value
08	analog output separate programmable

6. Unit (appears in the unit field)

7. Additional text placed above the display (3x90 mm HxW)

Attention! * Terminal strip A+B together max. 50 mA ** no isolation to terminal strip A, only in connection with option 02