

Product Information

Displays

Standard Signal Panelmeter S9648



- 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, with analog output 5 VA
Operating temp. : -10..+55 °C
CE-conformity : EN 61326-1:2013; EN 60664-1:2007

Input

Current : 0/4..20 mA Ri = 10 Ω
Voltage : 0..10 V Ri = >100 k Ω
Potentiometer : 0..1 k Ω / 100 k Ω
Accuracy : < 0.1 % ± 2 digit
Transmitter supply : U₀ approx. 24 V, Ri ca. 150 Ω , max. 50 mA
(max. 25 mA with 4 relays)

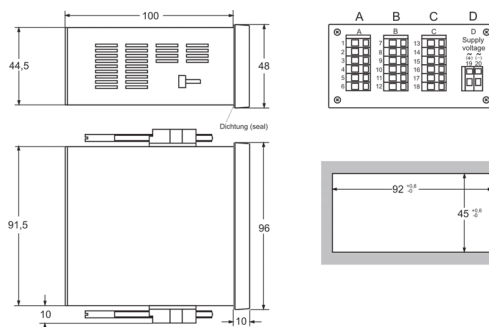
Display

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)

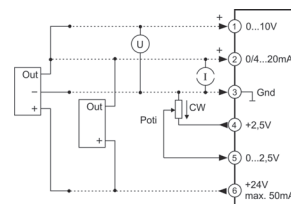
Output

Relay : SPDT < 250 V AC < 250 VA < 2 A,
< 300 V DC < 50 W < 2 A
Transistor : max. 35 V AC / DC max. 100 mA,
with short circuit protection
Analog : 0/4..20 mA burden $\leq 500 \Omega$; 0/2..10 V
burden > 500 Ω , isolated
automatically output changing
- Accuracy : 0.1 %; TK 0.01 %/K
Case : panel case DIN 96x48 mm,
material PA6-GF; UL94V-0
Dimensions : front 96x48 mm, mounting depth 100,
Weight : max. 390 g
Connection : clamp terminals, 0.08..1.5 mm²
AWG28..AWG14
Protection class : front IP65, terminals IP20 acc. to BGV A3

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*
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