Customer specific parametrization for ISpac 9282/11-51-16s, k RTD

R.STAHL offers a customer specific factory set-up for the ISpac isolators series 9282.
Article number for configured devices: **299646**
Please select first the type that you require:

	type	terminals
☐	9282 / 11 - 51 - 16s	screw terminal
☐	9282 / 11 - 51 - 16k	push-in terminal

There are two alternative ways to transmit the desired configuration:

1.) Offline configuration by means of the configuration software "ISpac Config"

Please download the configuration software "ISpac Config" using the following link:
https://r-stahl.com/fileadmin/tx_aimeos/Files/99/23/Asset_1619923/Konfigurationssoftware_fuer_9282.zip

Install the software on your PC and select your desired configuration in offline mode. Save the configuration with the name in the following format: "quotation number"_"position in quotation"_"name of your company" and please pass this file (*.acc) and the selection of the type to your contact person at R. STAHL or the representative.

2.) Fill in the form

Please fill in the following form and pass it along with your order to your R. STAHL representative.

Please read the operating instructions and data sheet before you start to fill in this form. Please tick only one selection per parameter.

Device identification		
Signal tag	Max. 16 characters	
User text	Max. 20 characters	
Functional safety		☐ SIL ON ☐ SIL OFF
Restart after fail- safe	precondition: set-up SIL ON	☐
Configuration Analog Input		
Mode		☐ RTD 4-wire ☐ RTD 3-wire ☐ RTD 2-wire ☐ 2 x RTD 2-wire ☐ Potentiometer
2 x RTD 2-wire (additional details)	precondition: selection 2 x RTD 2-wire	☐ Difference ☐ Absolut difference ("Absolut difference" optional in addition to "Difference")
Potentiometer (additional details)	precondition: selection potentiometer	☐ 50 kΩ ☐ 25 kΩ ☐ 12,5 kΩ ☐ 6,25 kΩ ☐ 4,8 kΩ ☐ 2,4 kΩ ☐ 1,2 kΩ ☐ 600 Ω ☐ 300 Ω ☐ 150 Ω ☐ 75 Ω
Temperature unit		☐ °C ☐ °F
Analog input 1		
Sensor	precondition: selection RTD	☐ Pt IEC 751 ☐ Pt SAMA ☐ Pt JIS ☐ Pt Gost 6651 ☐ Ni DIN 43760 ☐ Ni SAMA ☐ Cu Gost 6651 ☐ Cu 53 Gost 6651 ☐ CU 10 SAMA ☐ Ni 1000 L&G ☐ KTY 81_110 ☐ KTY 84_130 ☐ Resistance linear
RTD base resistance	precondition: selection Pt IEC 751, Pt SAMA, Pt JIS, PT Gost 6651, Ni DIN 43760, NI SAMA range: 10…10.000	
Filter factor	range: 1…10	
Parameter Analog Input		
Signal range analog input 1		
Lower limit temperature range	precondition: selection „RTD" value range in dependence on sensor – see below	
Upper limit temperature range	precondition: selection „RTD" value range in dependence on sensor – see below	
Lower limit potentiometer	precondition: selection „Potentiometer" value range 0…90%	
Upper limit potentiometer	precondition: selection „Potentiometer" value range 10…100% minimum span: 10%	

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Wire compensation 2-wire input 1		
Wire resistance	precondition: selection „RTD 2-wire" range 0…50 Ω	
Signal range analog input 2		
Lower limit temperature range	precondition: selection „2 x RTD 2-wire" value range in dependence on sensor – see below	
Upper limit temperature range	precondition: selection „2 x RTD 2-wire" value range in dependence on sensor – see below	
Wire compensation 2-wire input 2		
Wire resistance	precondition: selection „2 x RTD 2-wire" range 0…50 Ω	
Analog output		
Connected input	precondition selection „2 x RTD 2-wire": selection mode: „Difference":	☐ Analog input 1 ☐ Analog input 2 ☐ Difference
Signal range analog output	precondition: selection „SIL ON"	Fix 4…20 mA
	precondition: selection „SIL OFF" Lower limit Upper limit Minimum span: 4 mA	☐ 0 mA ☐ 2 mA ☐ 4 mA ☐ 10 mA ☐ 20 mA ☐ 20 mA ☐ 10 mA ☐ 4 mA ☐ 2 mA ☐ 0 mA
Fault signaling		☐ According NE 43 upscale (fault value always 3,5 mA) ☐ According NE 43 downscale (fault value always 21,5 mA) ☐ Free definable
Overrange	„SIL OFF": „SIL ON":	0…22 mA 0…3,6 or 20…21 mA
Underrange	„SIL OFF": „SIL ON":	0…22 mA 0…3,6 or 20…21 mA
Line break	„SIL OFF": „SIL ON":	0…22 mA 0…3,6 or 20…21 mA
Short circuit	„SIL OFF": „SIL ON":	0…22 mA 0…3,6 or 20…21 mA
Check Load/Line break	Upon selection „SIL ON" fix on „ON"	☐ OFF ☐ ON

Overview value range of RTD sensors

Sensor type	Value range °C	Value range °F
Pt IEC 751	-200 … 850	-328 … 1562
Pt SAMA	-200 … 850	-328 … 1562
Pt JIS	-200 … 850	-328 … 1562
PT Gost 6651	-200 … 850	-328 … 1562
Ni DIN 43760	-60 … 250	-76 … 482
Ni SAMA	-60 … 180	-76 … 356
Cu Gost 6651	-50 … 200	-58 … 392
Cu 53 Gost 6651	-50 … 180	-58 … 356
Cu 10 SAMA	-70 … 500	-94 … 932
Ni 1000 L&G	-50 … 160	-58 … 320
KTY 81_110	-55 … 150	-67 … 302
KTY 84_130	-40 … 300	-40 … 572

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