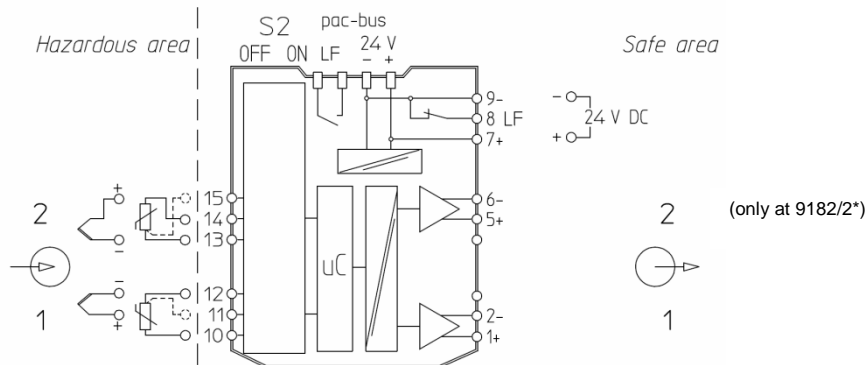


Type 9182/\*0-5\*-1\*



Hazardous area: Class I, II, III; DIV 1; Group A-G or Class I; Zone 0; Group IIC/IIB Hazardous Locations  
 Safe area: Non-hazardous, Division 2 or Zone 2 Hazardous (Classified) Locations

The Temperature Transmitter Type 9182 is an associated apparatus as well as a nonincendive apparatus for installation in non-hazardous or Class I, Division 2 or Zone 2 Hazardous (Classified) Locations and provides intrinsically safe connections for one (or two) field devices located in Class I, II, III, Division 1, Group A-G or Zone 0 [AEx ia] Group IIC, hazardous locations according to NEC Article 504/505 as listed below.

Temperature Transmitter Type 9182/a0-5d-1f  
 a = numeral 1 or 2 for number of channels  
 d = numeral 0, 1, 3 or 9 for analog output  
 f = numeral 1, 2, 3 or 4 for limit contact and SIL options

Entity parameters for wiring configurations are as follows:

	V <sub>OC</sub> [V]	I <sub>SC</sub> [mA]	P <sub>O</sub> [mW]	L <sub>o</sub> CL I, DIV1, A, B Zone 0, GP IIC	L <sub>o</sub> CL I, DIV 1, C-G Zone 0, GP IIB	C <sub>o</sub> CL I, DIV 1, A, B Zone 0, GP IIC	C <sub>o</sub> CL I, DIV 1, C-G Zone 0, GP IIB
Type 9182/*0-5*-1*	6.5	19.7	32	90 mH	330 mH	25 µF	570 µF

Notes:

- For Connections refer to chapter Commissioning of Operating Instruction ID-No. 91 820 01 31 0.
- Intrinsically safe apparatus may be switches, thermocouples, LEDs, RTDs or an FM Approved System or Entity device connected in accordance with the manufacturer's installation instructions.
- For Entity concept use the appropriate parameters to ensure the following:  
 $V_t \text{ or } V_{OC} \leq V_{max}$        $C_o, C_a \geq C_i + C_{leads}$        $P_o \leq P_i$   
 $I_t \text{ or } I_{SC} \leq I_{max}$        $L_o, L_a \geq L_i + L_{leads}$
- Electrical apparatus connected to an intrinsically safe system should not use or generate voltages > 250 V (U<sub>max</sub>).
- Installation in Canada should be in accordance with Canadian Electrical Code, CSA C22.1, Part 1, Appendix F.
- Use a general purpose enclosure meeting the requirements of IEC 61010-1 for use in non-hazardous or Class I, Division 2, Hazardous (Classified) Locations.
- Use an FM Approved Dust-ignition proof enclosure appropriate for environmental protection in Class II, Division 1, Groups E, F and G; and Class III, Hazardous (Classified) Locations.
- These modules are to be mounted on DIN rail, DIN rail with pac-Bus (type 9194) or pac-Carrier (type 9195). The I.S. field wiring in any case is connected to the ISpac device terminals.
- Ambient temperature: -20°C ... +70°C (any mounting position)

WARNING: Do not disconnect equipment when a flammable or combustable atmosphere is present.  
 AVERTISSEMENT: Ne pas débrancher l'équipement en présence d'atmosphère inflammable ou combustible.

The safety relevant statements of this document may be transferred into the operating instructions. Transferring the text, editorial changes of equivalent meaning are allowed.

			2007	Date	Name	Certification drawing	Scale	
			drawn	04.05.	Einsiedler		none	
			checked		Kaiser		Sheet	
						Temperature Transmitter Type 9182/*0-5*-1*	1 of 1	
						91 826 01 31 1	Agency	
							FM	
Version	Date	Name				Ers. f.	Ers. d.	A4
02	22.10.12	Reistle						
01	15.04.11	Reistle						