



- Interconnection of two mA-sources and active 2-wire inputs is possible
- Ideal solution for integrating 4-wire transmitters into analogue input supplies.
- Bidirectional HART transmission 4 ... 20 mA
- Galvanic isolation between input and output

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WebCode **9164B**



The mA - isolating repeaters are used for connection of 4-wire transmitters to active 2-wire inputs (source) as well as to galvanic isolation.

The devices bidirectionally transfer a superimposed HART communications signal.

Zone	IECEX / ATEX					
	0	1	2	20	21	22
Installation in			•			

Division	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Installation in		•				

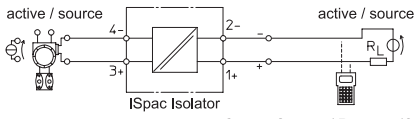
Zone	CEC Section 18					
	NEC® 505 Class I			NEC® 506		
Installation in			•			

Selection Table					
Number of channels		1			
Input	Output	Product Type	Art. No.	Weight kg	
4 ... 20 mA HART (sink)	Passive HART (sink)	9164/13-20-55	224366	0.090	

The transmission of the HART signal can be deactivated by means of a DIP switch.

Technical Data	
Explosion Protection	
ATEX gas explosion protection	Ⓔ II 3 G Ex ec IIC T4 Gc
Functional Safety	
SIL	2
Auxiliary Power	
Auxiliary power	Without
Input	
Input signal	3.8 ... 20.5 mA with HART
Output	
Output signal	3.8 – 20.5 mA with HART
Ambient Conditions	
Ambient temperature	-40 °C ... +75 °C
Storage temperature	-40 °C ... +80 °C
Mounting / Installation	
Mounting type	NS35/15, NS35/7.5 DIN rail

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Field Device Control System / Remote I/O

Connection Diagram 9164/13-20-55

