



- Multiplexers for HART field devices with 32 channels
- Simple application: HART Mux master and HART Mux slave in one device
- Can be used up to SIL 3

07 b

MY R. STAHL 9192A



The 9192 series HART multiplexer can connect up to 32 HART-capable field devices, such as transmitters or control valves, to asset management systems via RS-485 bus. The HART multiplexer is the ideal solution if you want to operate asset management systems and distributed control systems from different manufacturers in parallel or for enabling HART communication when using a PLC.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in		•				

	CE Code Section 18					
	NEC® 505 Class I			NEC® 506		
Zone	0	1	2	20	21	22
Ex interface						
Installation in			•			

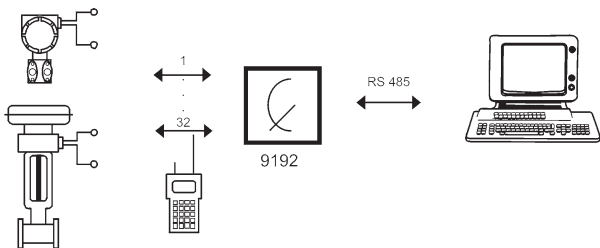
	IECEX / ATEX					
	Zone	0	1	2	20	21
Ex interface						
Installation in			•			

Selection Table			
Product Description	HART multiplexer ISpac		
Product Type		Art. No.	Weight
9192/32-10-10		160695	100 g
- incl. 14-core connection cable for pac-Carrier Series 9195 or HART connection board Series 9196 - HART connection board or pac-Carrier required - CommDTM available, download under MY R. STAHL 9192A			

Technical Data	
Explosion Protection	
FMus certificate	FM16US0122X
cFM certificate	FM16CA0067X
Marking cFMus	Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, Group IIC T4 at Ta = 70°C See Doc. 91 926 01 31 1
IECEX gas explosion protection	Ex ec IIC T4 Gc
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), China (NEPSI), IECEX (BVS), India (PESO), SIL (exida), USA (FM)
Ship approval	CCS, EU RO MR (DNV)
Electrical Data	
RS485 interface connection	Sub-D socket, 9-pole

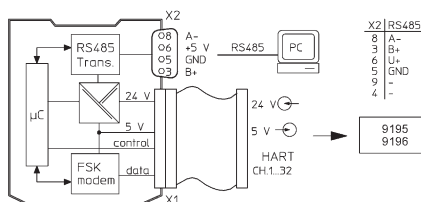
Technical Data	
Electrical Data	
RS-485 interface protocol	Compatible with Cornerstone PDM PRM FDM AMS (up to version 14.4)
HART multiplexer RS-485 interface	Max. 31 (per bus segment)
Number of RS-485 interfaces	1
Number of channels field device interface (HART)	16 or 32, can be set via switch
Connection field device interface (HART)	Ribbon cable, 14-pin (included)
Signal field device interface (HART)	HART FSK
Specification field device interface (HART)	HART Field Communication Protocol Rev. 7.x (backward compatible to 4.0); FSK Physical Layer Specification (Rev. 7.x)
Auxiliary Power	
Auxiliary power	24 V DC
Ambient Conditions	
Ambient temperature °F	-4°F ... +158°F (Single device) -4°F ... +140°F (Group assembly)
Ambient temperature °C	-20 °C ... +70 °C (Single device) -20 °C ... +60 °C (Group assembly)
Storage temperature °F	-40°F ... +176°F
Storage temperature °C	-40°C ... +80°C
Mounting / Installation	
Mounting type	DIN rail NS35/15, NS35/7.5

Technical Drawings – Subject to Alterations



System configuration

Nonhazardous Location / Division 2 / Zone 2



Connection Diagram 9192/32-10-10

Accessories

Figure	Description	Product Type	Art. No.	Weight
HART termination board				
	The compact 9196/16H-XXO-03c HART termination board enables the field device wiring and the automation system wiring to be connected separately.	9196/16H-XXO-03c	160891	150 g
	The 9196/16H-XXO-05c HART termination board enables the field device wiring and the automation system wiring to be connected separately.	9196/16H-XXO-05c	249297	520 g

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

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