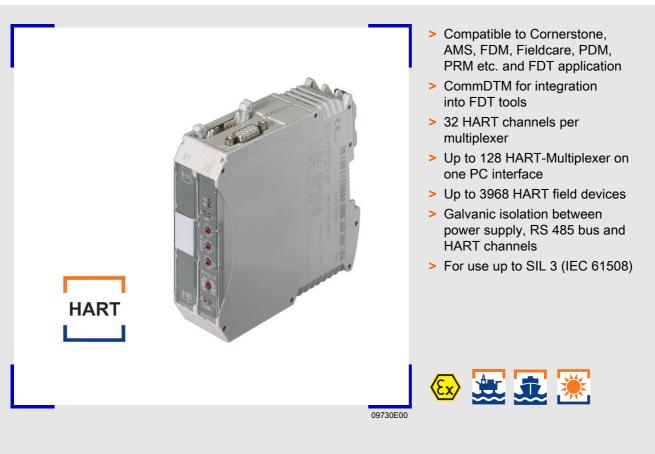
HART-Multiplexer

Series 9192





A3



Basic function: multiplexer for HART field devices, 32 channels. The HART-Multiplexer type 9192 is used for digital connection of up to 32 HART-capable field devices, such as transmitters and regulating valves, to a PC. The PC communicates with the HART-Multiplexer via an RS 485 bus. The software Cornerstone, AMS, FDM, Fieldcare, PDM or PRM allows configuration and diagnostics of all connected HART-capable field devices, plus continuous documentation of the process variables and status.



ATEX / IECEx							NEC 505			NEC 506			NEC 500							
								Cla	ass I						Cla	ass I	Cla	ss II	Clas	ss III
Zone	0	1	2	20	21	22	Zone	0	1	2	20	21	22	Division	1	2	1	2	1	2
Installation in			x *)			x *)	Installation in			x *)			x *)	Installation in		x *)		x *)		x *)

*) Restrictions see table explosion protection

WebCode 9192A

HART-Multiplexer Series 9192

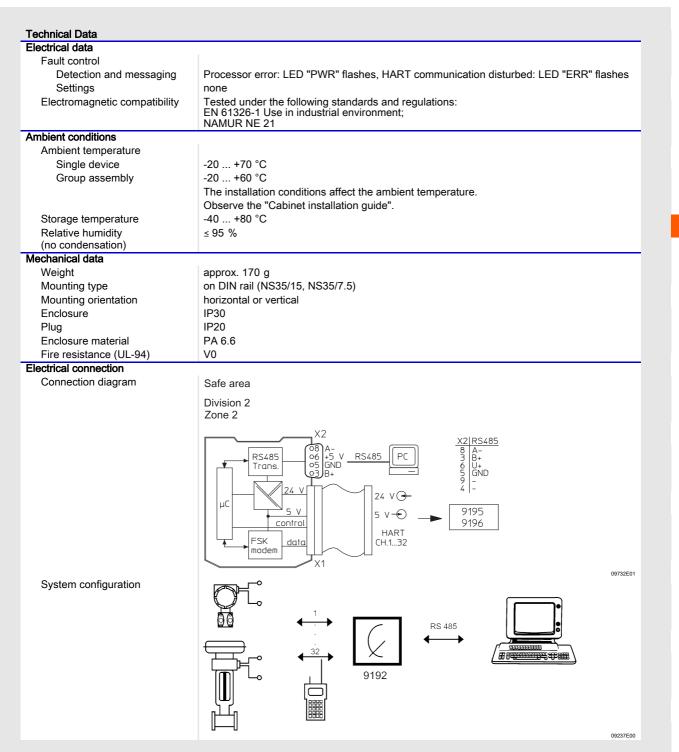


Version	Channels		Order number						
HART-Multiplexer	32		9192/32-10-10						
type 9192									
	incl. 14-core	incl. 14-core connection cable for pac-Carrier Series 9195 or HART connection board Series 9196							
	CommDTM	available, download under the given WebCode 9192A							
Explosion Protection									
Explosion protection									
Global (IECEx)									
Gas	IEC	Ex BVS 10.0042X							
	Ex r	Ac II T4							
Europe (ATEX)									
Gas		03 E 213 X							
Certifications and cer		I 3 G Ex nA II T4							
Certificates		Ex ATEX Brazil (INMETRO) Canada (CSA) Kazakhsi	tan (GOST K) Russia (GOST R)						
Continoutos		Ex, ATEX, Brazil (INMETRO), Canada (CSA), Kazakhstan (GOST K), Russia (GOST R), A (FM), Belarus (operating authorisation)							
Ship approval	DN	1							
Further parameters		and 0. Dive 0 and in the onformation							
Installation Further informatio		one 2, Div. 2 and in the safe area respective certificate and operating instructions							
	see								
Technical Data									
Electrical data									
Auxiliary power		24 V DC							
Nominal voltag Voltage range	je U _N	18 V 31.2 V							
Residual ripple	within	≤ 3.6 V _{SS}							
voltage range		20.0 433							
Rated current	(24 V)	55 mA							
Power consum	•	1.35 W							
Operation indic		LED green "PWR"							
Undervoltage r	•	yes (no faulty module / output states)							
Galvanic separation Test voltages	on								
acc. to stan	Idard	EN 50178							
	al to RS 485	350 V AC							
HART signa		100 V DC capacitive							
each other									
Power supp HART signa	,	350 V AC							
	al oly to RS 485	350 V AC							
Field device interf									
Number of cha	()	16 or 32, setting via switch							
Connection		Ribbon cable, 14-pole (inclusive)							
Signal		HART FSK							
HART Specific		HART Field Communication Protocal Rev. 7.1 (downwards compatible to Rev. 4.0); FSK Physical Layer Specification (Rev. 7.1)							
Average influe		< ± 0.1 %							
analog signals Indication data		2 LED yellow "Tx" and "Rx" "HART"							
Error detection		LED red "ERR" (flashes at error on HART bus)							
RS 485 interface		" (· · · · · · · · · · · · · · · · · ·							
Number		1							
Connection		Sub-D socket, 9-pole							
Signal		RS 485							
Protocol	OT Multiplayer	compatible to Cornerstone, AMS, PDM, PRM, FDM							
Number of HAF per bus segme	•	maximum 31							
Address setting		0 127, via front-side rotary switch							
Transmission s	-	9.600, 19.200, 38.400, 57.600 [bit/s]							
Settings		via front-side rotary switch							
Transmission I	ine length	≤ 1200 m							
Indication		2 LED yellow "Tx" and "Rx" "RS 485"							

HART-Multiplexer

Series 9192





STAHL

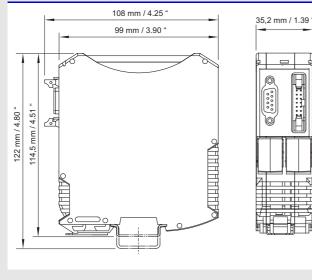
HART-Multiplexer Series 9192



Accessories and Spare Parts

Designation	Description	Order number
Fieldbus isolating repeater	 Equipment for installation in safe areas or Zone 2 / Div. 2 For fieldbuses with RS-485 interface Suitable for Profibus DP, Modbus, R. STAHL ServiceBus Interface to automation system RS-232, RS-422, RS-485 Automatic setting of transfer rate for Profibus DP Adjustable transfer rate (1.2 kbit/s to 1.5 Mbit/s) Power supply 24 V AC/DC Further information see data sheet Series 9185/12 	9185/12-45-10s
pac-Carrier	8 slots, HART	9195/08H
	16 slots, HART	9195/16H
Connection board	for none Ex-applications, HART, 16 channels	9196/16H-XX0
HART CommDTM	Allows HART Mux to be integrated into FDT Tools. Download free-of-charge.	

Dimensional Drawing (All Dimensions in mm / inches) - Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

09736E00