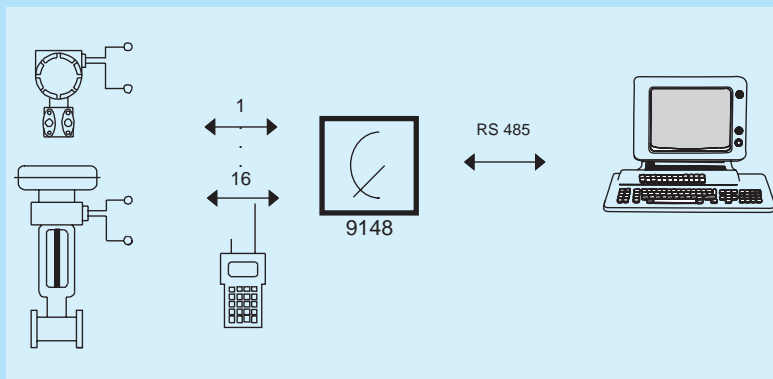


I.S. Isolators (Modules) HART Multiplexer Type 9148

- without explosion protection
- 16 HART channels per multiplexer
- Up to 128 HART multiplexer on one PC interface
- Up to 2048 HART field units
- Galvanic isolation of the HART channels
- Galvanic isolation between power supply, RS 485 bus and the HART channels
- Power supply 18 .. 35 V DC
- EMC tested, CE marking

STAHL

Basic function: Multiplexer for HART field units, 16 channels. The HART multiplexer type 9148 serves within the ICS modul series for digital connection of up to 16 HART-capable field units, such as transmitters and regulating valves, to a PC. The PC communicates with the HART multiplexer via an RS 485 bus. The Cornerstone software allows configuration and diagnostics of all connected HART-capable field units, plus continuous documentation of the process variables and status.



Selection table

Version	Ordering code
HART multiplexer	9148 / 12 - 16

Technical data

Certification	without explosion protection
Power supply	
Rated voltage U_N	24 V DC
Voltage range	18 .. 35 V
Residual ripple within voltage range	$\leq 5 V_{SS}$
Rated current (for U_N , RS 485 bus active) I_N	≤ 72 mA
Power consumption	≤ 1.73 W
Polarity reversal protection	yes
Input	
for the bidirectional digital data exchange with HART-capable field units	
Number of channels	16
Signal form	according to HART FSK Physical Layer
RS 485 interface	
Number	1
Protocol	Cornerstone with R. STAHL Comlib
Interface signal	RS 485 bus

Engineering

When designing a HART Management System, up to 128 HART multiplexers (2048 HART field units) can be connected to one PC interface. The number of bus subscribers on a RS 485 segment is restricted to 32.

