Fieldbus Gateway
RS-232 to PROFIBUS DP

ZAG73AN02

Part Number

PROFIBUS

Technical Data

Electrical Data	
Supply Voltage	15...30 V DC
Voltage Supply of external products	5 V
Current Consumption Sensor (Ub = 5 V)	< 1 A
Temperature Range	-10...50 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Interface	RS-232
Baud Rate PROFIBUS	< 12 MBd
Baud Rate RS-232	< 115200 Bd
Number of Bus Clients	126
Protection Class	III
Mechanical Data	
Material	Plastic
Degree of Protection	IP65
Connection Mode Supply Voltage	M12 × 1; 4-pin
Connection Mode Scanner	SubD 9 S
Connection Bus Side	M12 × 1; 4-pin
PROFIBUS DP	●
Connection Diagram No.	708
Suitable Connection Equipment No.	2

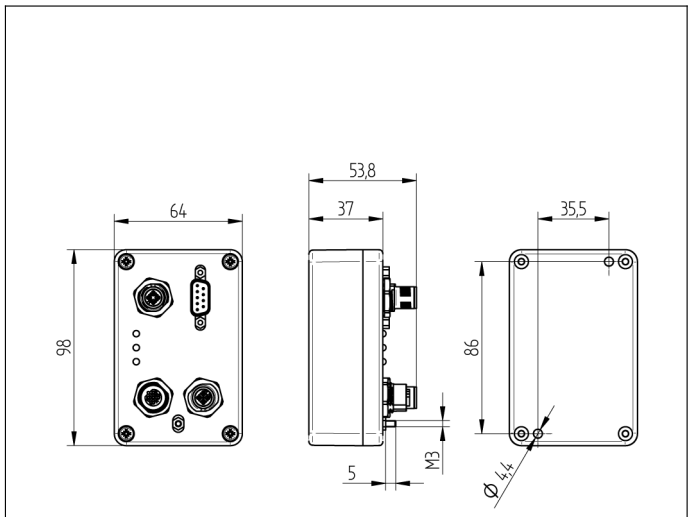
- **Gateway from RS-232 interfaces on PROFIBUS DP**
- **Protection mode IP65**
- **Voltage supply of external units (5 V DC) via the gateway**

These fieldbus gateways allow an easy connection of sensors and scanners to PROFIBUS DP.

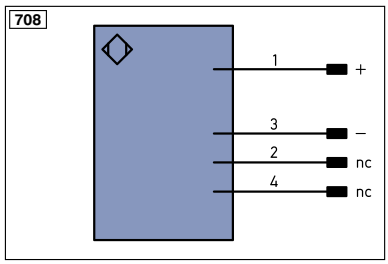
Complementary Products

Interface Cable FISZ-RS23207

Interface Cable S232W3



All dimensions in mm (1 mm = 0.03937 Inch)



Legend

+	Supply Voltage +	
–	Supply Voltage 0 V	
~	Supply Voltage (AC Voltage)	
A	Switching Output	(NO)
Ā	Switching Output	(NC)
V	Contamination/Error Output	(NO)
V̄	Contamination/Error Output	(NC)
E	Input (analog or digital)	
T	Teach Input	
Z	Time Delay (activation)	
S	Shielding	
RxD	Interface Receive Path	
TxD	Interface Send Path	
RDY	Ready	
GND	Ground	
CL	Clock	
E/A	Output/Input programmable	
	IO-Link	
PoE	Power over Ethernet	
IN	Safety Input	
OSSD	Safety Output	
Signal	Signal Output	
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	
EN0 RS422	Encoder 0-pulse 0-0̄ (TTL)	
PT	Platinum measuring resistor	
nc	not connected	
U	Test Input	
Ū	Test Input inverted	
W	Trigger Input	
W–	Ground for the Trigger Input	
O	Analog Output	
O–	Ground for the Analog Output	
BZ	Block Discharge	
AMV	Valve Output	
a	Valve Control Output +	
b	Valve Control Output 0 V	
SY	Synchronization	
SY–	Ground for the Synchronization	
E+	Receiver-Line	
S+	Emitter-Line	
⏚	Grounding	
SnR	Switching Distance Reduction	
Rx+/–	Ethernet Receive Path	
Tx+/–	Ethernet Send Path	
Bus	Interfaces-Bus A(+)/B(–)	
La	Emitted Light disengageable	
Mag	Magnet activation	
RES	Input confirmation	
EDM	Contactor Monitoring	
ENA RS422	Encoder A/Ā (TTL)	
ENB RS422	Encoder B/B̄ (TTL)	
ENA	Encoder A	
ENB	Encoder B	
AMIN	Digital output MIN	
AMAX	Digital output MAX	
AOK	Digital output OK	
SY In	Synchronization In	
SY OUT	Synchronization OUT	
OLT	Brightness output	
M	Maintenance	
rsv	reserved	

Wire Colors according to DIN IEC 757

BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green/Yellow