Protective Housing
for BKS0x0A40

wenglor
the innovative family

ZSV-02-02
Part Number

Technical Data

Mechanical Data	
Material	Stainless Steel
Optic Cover	PMMA (FDA)
Degree of Protection	IP67
Material Sealing	Silicone (FDA)
Mounting Type	Fixing Holes
Type of Connection Ethernet	M12 × 1; 8-pin, X-cod.
Type of Connection Power	M12 × 1; 8-pin
Packaging unit	1 Piece

Connection Diagram No.	**S88**
Suitable Connection Technology No.	**50** **89**
Suitable Mounting Technology No.	**470**

- **Hygienic design makes it easy to clean**
- **Integrated Ethernet port and power connection**
- **Made with food safe materials that are FDA approved**
- **Resistant to cleaning agents**

All dimensions in mm (1 mm = 0.03937 Inch)
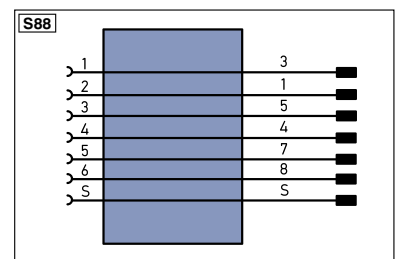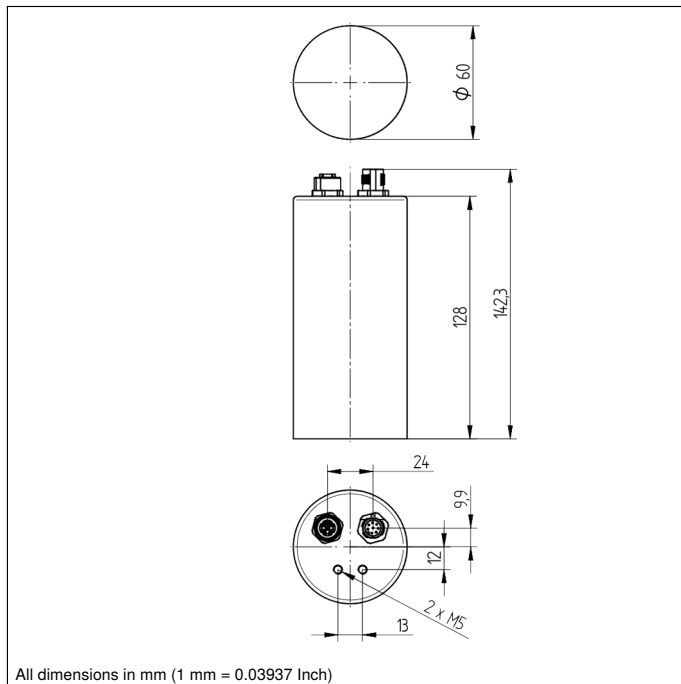
Temperature range depends on the installed sensor.
Suitable for straight cables.

RoHS

S88

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)	
EN₀RS422	Encoder 0-pulse 0-0̄ (TTL)	

PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ū	Test Input inverted
W	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
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
ENARS422	Encoder A/Ā (TTL)
ENBRS422	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

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

System Components and Software