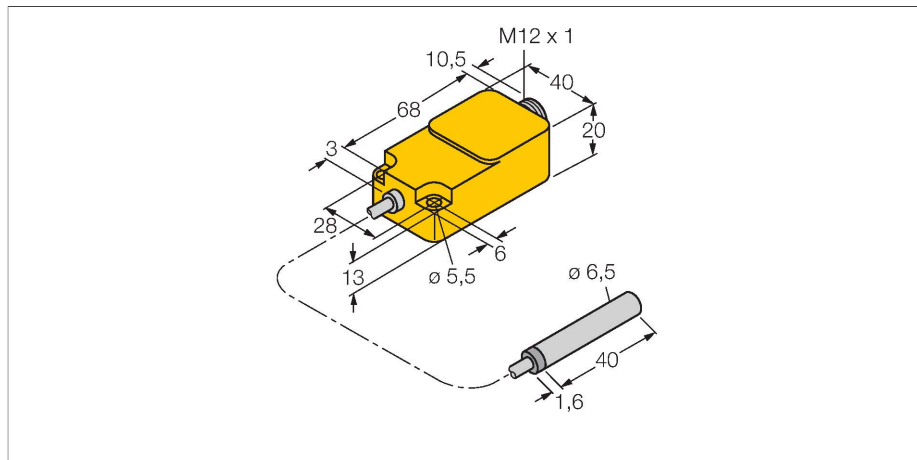


# BI1.5-EH6.5-0.2-Q20-2LU-H1141/S950

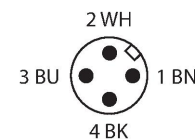
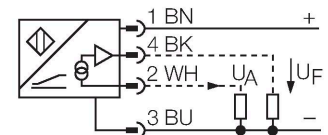
## Senzor inductiv – Pentru diferen#ierea între metale



### Caracteristici

- Cilindru nefiletat, Ø 6,5 mm
- O#el inoxidabil, 1.4427 SO
- analogic
- 1x ie#i#ire analogic# pentru evaluarea amplitudinii
- 1x ie#i#ire analogic# pentru evaluarea fazei
- conector M12 x 1

### Diagram# de conexiuni



### Caracteristici tehnice

Tip	BI1.5-EH6.5-0.2-Q20-2LU-H1141/S950
Nr. ID	1533010
Remarci referitoare la produs	Datorit# noului capac frontal negru, grosimea a fost modificat# de la 0,6 mm la 0,3 mm.
Special version	S950 Corespunde cu: 1 x ie#i#ire analogic# amplitudine; 1 x ie#i#ire analogic# faz#

Caracteristici generale	
Condi#ii de montare	Îngropat
Distan## sigur# de operare	$\leq (0.81 \times S_n)$ mm
	0.5 %, dup# un timp de pornire de 0.5 h
Deriv# de temperatur#	$\leq \pm 0.06$ %/K
Caracteristici electrice	
Tensiune de alimentare $U_B$	15...30 Vcc
Rip# $U_{ss}$	$\leq 10$ % $U_{Bmax}$
Curent f#r# sarcin#	$\leq 8$ mA
Tensiunea de test de izola#ie	0.5 kV
Protec#ie la scurtcircuit	Da
Protec#ie la fir #ntrerupt/alimentare invers#	Nu/Complet
Func#ie de ie#ire	4-fire, ie#ire analogic#
Ie#ire #n tensiune	0...10 V
Tensiune de ie#ire (faz#)	$\geq 1... \leq 10$ Vcc
Rezisten#a de sarcin# pentru ie#irea #n tensiune	$\geq 4.7$ k $\Omega$
Frecven# de repeti#ie a secven#ei de m#surare	80 Hz
Caracteristici Mecanice	
Design	Cilindru nefiletat, 6,5 mm

### Principiu de func#ionare

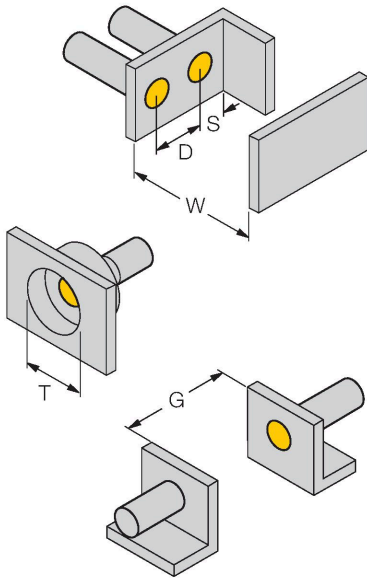
In many areas a quick analysis of the materials used is necessary. Examples include applications for sorting of liquid containers made of aluminum or galvanized steel, or the selection of materials made of different materials. Turck has developed for this type of application an inductive analog sensor that processes both the amplitude and the phase of the signal. Both signals are available at the output as analog signals and can be processed with the help of a unit for processing. The main advantage of this inductive-analog method is the fact that detection is not influenced by distance up to the detected object.

## Caracteristici tehnice

Dimensiuni	41.6 mm
Materialul carcasei	Oțel inoxidabil, 1.4427 SO
Materialul feței active	plastic, PA12-GF20, negru
Partea din spate	plastic, PP
Conexiune electrică	Conectori, M12 × 1
Tip cablu	0.2 m
<b>Condiții de mediu</b>	
Temperatura mediului	-25...+70 °C
Rezistență la vibrații	55 Hz (1 mm)
Rezistență la șoc	30 g (11 ms)
Clasă de protecție	IP67
MTTF	751 ani conform SN 29500 (Ed. 99) 40 °C

## Instrucțiuni de montare

### Instrucțiuni de montare/descriere



Distanța D	16 mm
Distanța W	4,5 mm
Distanța T	3 x B
Distanța S	12 mm
Distanța G	9 mm
Diametrul zonei active B	Ø 6.5 mm