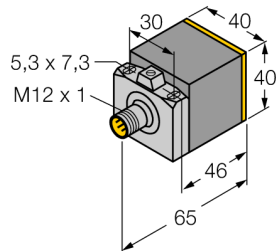
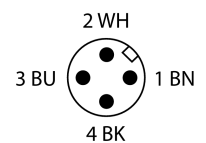
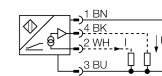


**Inductive sensor  
With analog output  
NI25-CK40-LIU-H1141**



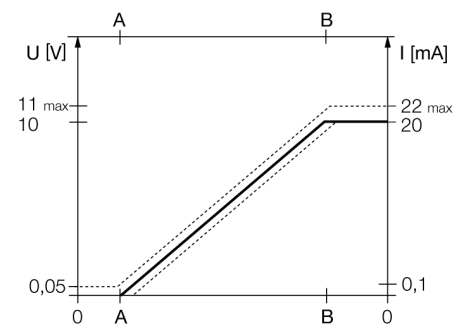
- Rectangular, height 40 mm
- Variable orientation of active face in 5 directions
- Plastic, PBT-GF30-V0
- 4-wire, 15...30 VDC
- Analog output
- 0...10 V and 0...20 mA
- M12 x 1 male connector

**Wiring Diagram**



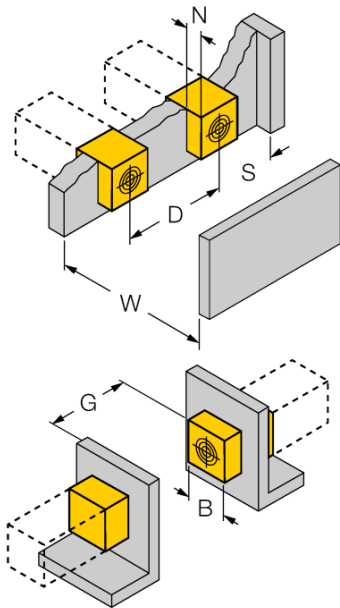
<b>Type designation</b>	NI25-CK40-LIU-H1141
Ident no.	1537802
<b>Measuring range [A...B]</b>	5...25 mm
Mounting conditions	Non-flush
Correction factors	St37 = 1; Al = 0.3; stainless steel = 0.7; Ms = 0.4
Repeatability	≤ 1 % of measuring range  A - B  ≤ 0.5 %, after warm-up 0.5 h
Reproducibility	≤ 200 μm ≤ 100 μm, after a warm-up time of 0.5 h
Linearity deviation	≤ 5 %
Temperature drift	≤ ± 10 %
Temperature drift	≤ ± 0.06 % / K
Ambient temperature	-25...+70 °C
<b>Operating voltage</b>	15...30 VDC
Residual ripple	≤ 10 % U <sub>s</sub>
No-load current I <sub>0</sub>	≤ 8 mA
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	no/ Complete
Output function	4-wire, Analog output
Reverse polarity protection	Complete
Voltage output	0...10V
Current output	0...20 mA
Load resistance voltage output	≥ 4.7 kΩ
Load resistance, current output	≤ 0.4 kΩ
Measuring sequence frequency	30 Hz
<b>Design</b>	Rectangular, CK40
Dimensions	65 x 40 x 40 mm variable orientation of active face in 5 directions
Housing material	Plastic, PBT-GF20-V0, Black
Active area material	Plastic, PA12-GF30, yellow
Electrical connection	Connector, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	751 years acc. to SN 29500 (Ed. 99) 40 °C
<b>Included in delivery</b>	BS1-CK40

**Measuring Range**



**Inductive sensor  
With analog output  
NI25-CK40-LIU-H1141**

Distance D	120 mm
Distance W	75 mm
Distance S	120 mm
Distance G	150 mm
Distance N	40 mm
<hr/>	
Width active area B	40 mm



**Inductive sensor  
With analog output  
NI25-CK40-LIU-H1141**

**Accessories**

Type code	Ident no.	Description	
IM43-13-SR	7540041	Trip amplifier; 1-channel; input 0/4...20 mA or 0/2...10 V; supply of 2- or 3-wire transmitters/sensors; limit value adjustment via teach button; three relay outputs with one NO contact each; removable terminal blocks; 27 mm wide; universal voltage supply 20...250 VUC; further Limit value indicators are described in our "Interface Technology" catalog.	
BSS-CP40	6901318	Mounting bracket for rectangular devices; material: Polypropylene	

**Wiring accessories**

Type code	Ident no.	Description	
RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>	
RKC4.301T-0.15-RSC4.334T/TXL	6631382	Extension cable, M12 female/male, straight, 4-pin, cable length: 0.15m, jacket material: PUR, black; cULus approval; Adapter cable for sensors with analog output on pin 2, for connection to analog inputs of fieldbus modules with 4-wire technology	