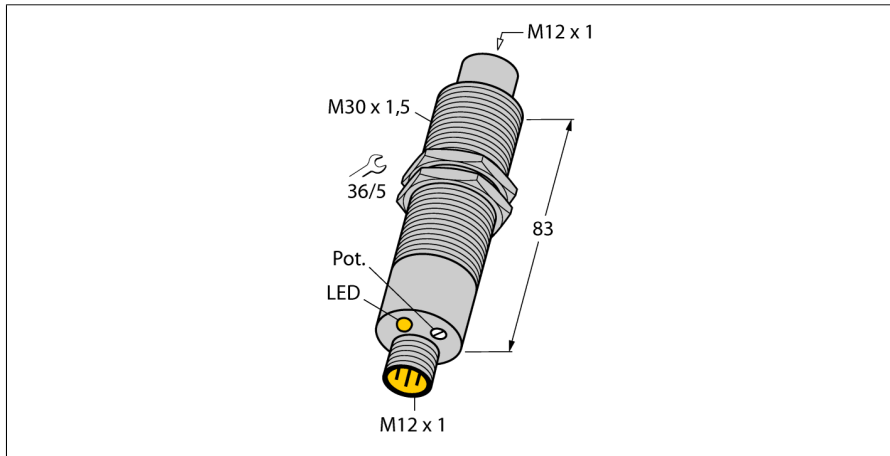
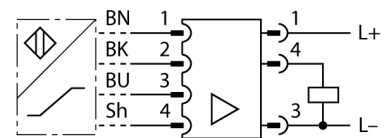


**Signal processor  
for inductive sensors up to 250°C  
EM30-AP6X2-H1141/S1102**



- Threaded barrel, M30 x 1.5
- Stainless steel, 1.4571
- For temperatures up to +70°C
- To be used only with Ni25-CQ40...and Ni40-CQ80...
- 3-wire DC, 10...30 VDC
- NO contact, PNP output
- Male M12 x 1

**Wiring diagram**



**Functional principle**

The sensors must be operated with a processor unit. When setting the switching distance at room temperature, the temperature sensitivity of the sensor must be taken into account. Special versions are available for ambient temperatures between -40°C and +250°C.

<b>Type code</b>	EM30-AP6X2-H1141/S1102
<b>Ident no.</b>	1602411
switch point adjustable via potentiometer	
Repeatability	≤ 2 % of full scale
Temperature drift	20 %
Hysteresis	3...15 %
Ambient temperature	-20...+70 °C
<b>Operating voltage</b>	10...30VDC
DC rated operational current	≤ 200 mA
No-load current I <sub>0</sub>	≤ 15 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes/ cyclic
Voltage drop at I <sub>0</sub>	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Output function	3-wire, NO contact, PNP
Switching frequency	0.04 kHz
<b>Design</b>	threaded barrel, M30 x 1.5
Dimensions	83 mm
Housing material	metal, V4A (1.4571)
End cap	Metal, A4 1.4571 (AISI 316Ti)
Max. tightening torque housing nut	40 Nm
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
<b>Power-on indication</b>	LED green
Switching state	LED yellow

**Signal processor  
for inductive sensors up to 250°C  
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**Wiring accessories**

Type code	Ident no.	Description	Dimension drawing
RKCV4T-2/TEL	6626900		 <p>The drawing shows a side view of a cable connector. It features a cylindrical body with a diameter of 15 mm (ø 15). The main body has a length of 42 mm. A smaller section at the front has a length of 11.5 mm. The connector is designed for an M12 x 1 thread, with a length of 14 mm for the threaded part. The total length of the cable assembly is denoted as L.</p>