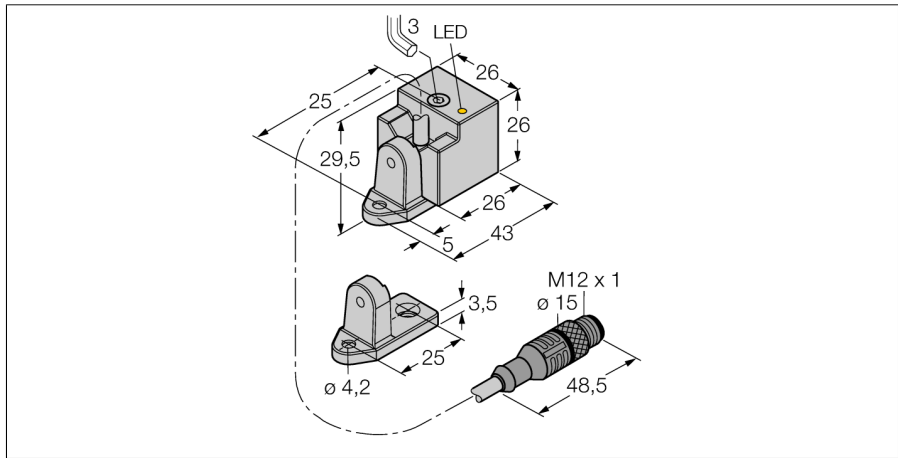
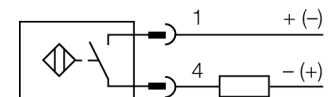


**Inductive sensor  
with extended temperature range  
Bi10-QN26-AD4X-0,15XOR-RS4.23/S100-S1589**



- Rectangular, height 26 mm
- Variable orientation of active face in 4 directions
- Plastic, PBT-GF30-V0
- High luminance LED
- Coated housing suited for welding facilities
- For temperatures up to +100 °C
- 2-wire DC, 10...65 VDC
- NO contact
- Cable with male end

**Wiring diagram**



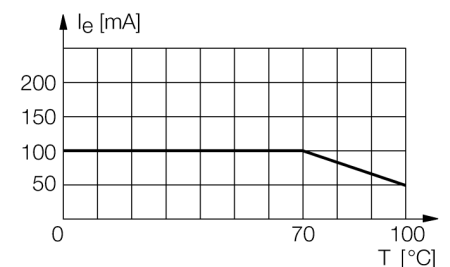
<b>Type code</b>	Bi10-QN26-AD4X-0,15XOR-RS4.23/S100-S1589
Ident no.	4470228
<b>Special features</b>	For use in France, please take the version with the W/BF adapter, ident. no. 4470229
<b>Rated operating distance <math>S_n</math></b>	10 mm
Mounting condition	flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Correction factors	St37 = 1; Al = 0.3; stainless steel = 0.7; Ms = 0.4
Repeatability	$\leq 2\%$ of full scale
Temperature drift	10 %
Hysteresis	$\leq \pm 20\%$ , $\geq +70$ °C
Ambient temperature	-25...+100 °C
<b>Operating voltage</b>	10...65VDC
Residual ripple	$\leq 10\%$ $U_{ss}$
DC rated operational current	$\leq 100$ mA
Rated operational current	see derating curve
Residual current	$\leq 0.6$ mA
Rated insulation voltage	$\leq 0.5$ kV
Short-circuit protection	yes/ cyclic
Voltage drop at $I_n$	$\leq 5$ V
Smallest operating current $I_{n0}$	$\leq 3$ mA
Switching frequency	0.5 kHz
<b>Design</b>	rectangular, QN26
Dimensions	43 x 26 x 26 mm
Housing material	variable orientation of active face in 4 directions
Material coupling nut	plastic, PBT, weldguard coated
Connection	metal, CuZn, PTFE-coated
Cable quality	cable with connector, M12 x 1
Cable cross section	4.4 mm, orange, Lif12Y11X, PUR, 0.15 m
Vibration resistance	2 x 0.34 mm <sup>2</sup>
Shock resistance	55 Hz (1 mm)
Protection class	30 g (11 ms)
	IP67
<b>Switching state</b>	LED yellow
Included in scope of supply	turning angle

**Functional principle**

Inductive sensors detect metal objects contactless and wear-free. For this, they use a high-frequency electromagnetic AC field that interacts with the target. Inductive sensors generate this field via an RLC circuit with a ferrite coil.

We offer special versions for temperatures of -60 °C up to +250 °C.

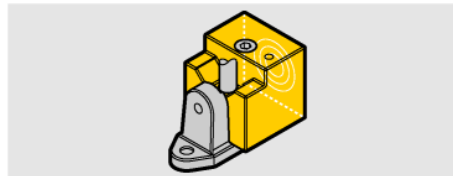
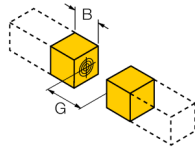
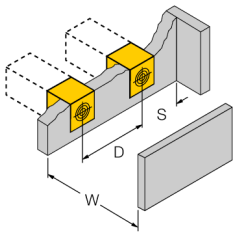
**derating curve**



**Inductive sensor  
with extended temperature range  
Bi10-QN26-AD4X-0,15XOR-RS4.23/S100-S1589**

Distance W	3 x Sn
Distance S	1.5 x B
Distance G	6 x Sn
Distance N	1 x B

Width of the active face B	26 mm
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Screwed on acc. to  
DIN 6912 Allen screw  
M4 x 30 included in scope of supply.  
DIN 84 slotted screw  
Not included in scope of supply.

