

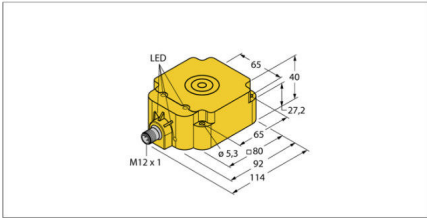
Turck BI50U-Q80-VP4X2-H1141 1562000



Inductive sensor
BI50U-Q80-VP4X2-H1141/3GD



Industrial
Automation



- ATEX category II 3 G, Ex Zone 2
- ATEX category II 3 D, Ex Zone 22
- Rectangular, height 40 mm
- Active face on top
- Plastic, PBT-GF30-V0
- Factor 1 for all metals
- Increased switching distance
- Protection class IP68
- Resistant to magnetic fields
- 4-wire DC, 10...65 VDC
- Changeover contact, PNP output
- Male M12 x 1

Type code	BI50U-Q80-VP4X2-H1141/3GD
Ident no.	1562004

Rated operating distance Sn

Mounting condition

Assured sensing range

Repeatability

Temperature drift

Hysteresis

Ambient temperature

50 mm

flush

≤ (0.81 × Sn) mm

≤ 2 % of full scale

10 %

1...15 %

-25...+70 °C

in the explosion hazardous area see instruction leaflet

Operating voltage	10...65VDC
Residual ripple	≤ 10 % U _n
DC rated operational current	≤ 200 mA
No-load current I ₀	≤ 15 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes
Voltage drop at I _N	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Output function	4-wire, changeover contact, PNP
Protection class	IP68
Switching frequency	0.25 kHz

Approval acc. to

Device designation

ATEX test certificate TURCK Ex-10002M X

Ⓔ II 3 G Ex nA IIC T4 GcII 3 D Ex tIIIC T110°C Dc

Design	rectangular, Q80
Dimensions	92 x 80 x 40 mm
Housing material	plastic, PBT
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68
MTTF	674 years acc. to SN 29500 (Ed. 99) 40 °C

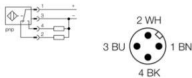
Power-on indication

Switching state

LED green

LED yellow

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. Due to the patented multi-coil system, uprox® sensors have distinct advantages over conventional sensors. They excel in largest switching distances, maximum flexibility and operational reliability as well as efficient standardization.

Edison • 2014-02-19 12:22:22 04-01-00

1 / 4 Hans Turck GmbH & Co. KG • D-45472 Mülheim an der Ruhr • Witzlebenstraße 7 • Tel. 0208 4952-0 • Fax 0208 4952-264 • more@turck.com • www.turck.com



|80mm Rectangular Induktive PNP,4 Wire DC PNP; sn=50;Flush |

Rating: Not Rated Yet
Price

[Ask a question about this product](#)

Description

|80mm Rectangular Induktive PNP,4 Wire DC PNP; sn=50;Flush |

For sale is ONE Quantity of

BI50U-Q80-VP4X2-H1141 - Turck 80mm rectangular sensor, Embeddable, Uprox, 4-Wire DC PNP (M1562000)

[?Download? data sheet -Click? HERE?](#)

Turck BI50U-Q80-VP4X2-H1141 (1562000)

Inductive sensor rectangular, height 40 mm, top active face, Plastic, PBT-GF30-V0,

4-wire DC, 10-;65 VDC, change-over, pnp output, connector, M12 x 1,

factor 1 for all metals,

extended switching distance,

degree of protection IP68,

magnetic field immune,

Rated operating distance: 50 mm

Mounting conditions: flush

"https://instockspares.com/images/stories/virtuemart/product/Turck BI50U-Q80-VP4X2-H1141 1562000 inductive sensor Dubai stock (1).jpg","sku": "SEN226","brand": {"@type": "Brand", "name": "Turck"}, "description": "Turck BI50U-Q80-VP4X2-H1141 1562000 ", "category": "InStock Sensors", "offers": {"@type": "Offer", "url": "https://instockspares.com/turck-bi50u-q80-vp4x2-h1141-1562000-detail", "priceCurrency": "USD", "price": 180, "availability": "https://schema.org/InStock"}}

Why Buy From Instock Spares?

- Dubai / UAE based industrial automation spare parts supplier
- Ready stock on many listed items, subject to prior sale
- Same-day dispatch available on confirmed stock items
- Worldwide shipping with express courier options
- Technical support and troubleshooting assistance available
- Field service support available on request
- Trusted industrial supplier since 2003

Frequently Asked Questions

Is this item available in stock?

Many listed items are available from Dubai / UAE stock. Availability is subject to prior sale, so please contact us by WhatsApp, phone, or email to confirm current stock before ordering.

Do you ship internationally?

Yes. We stock and ship industrial automation spare parts worldwide using express courier options.

Can you support installation or troubleshooting?

Yes. Technical support and field service options are available for purchased items upon request.

Can I get an equivalent or upgraded model?

Yes. Contact us with your part number, machine details, or photos, and we will help check compatibility, replacement options, or upgraded models.

Can I cancel or modify an order after it has been placed?

Yes, where possible. Please contact us as soon as possible with your order details. We will assist based on the order status, packing status, and shipment status.

Can I return or exchange a product?

Returns or exchanges may be possible depending on the product type, condition, and order terms. Please review our return policy or contact our team before ordering if you need confirmation.