BK9103-1005

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Beckhoff
Catalog number	bk9103-1005
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	PROFINET Bus Coupler
Protocol	PROFINET RT (Class B)
Data Transfer Rate	10/100 Mbit/s
Bus Interface	2 x RJ45 (2-channel switch)
Power Supply	24 V DC (-15%/+20%)

Description

The Beckhoff BK9103-1005 is a PROFINET Bus Coupler designed to integrate modular, extendable electronic terminal blocks with PROFINET RT networks. This device supports up to 64 bus terminals, expandable to 255 with a K-bus extension, facilitating scalable automation solutions.

It handles 512 bytes of input and 512 bytes of output data, accommodating 512 digital and 256 analog peripheral signals, making it suitable for complex industrial applications. The BK9103-1005 operates over Ethernet at 10/100 Mbit/s, with automatic recognition of the transmission rate, and features two RJ45 ports functioning as a 2-channel switch, enabling line or star wiring topologies.

Configuration is managed via the KS2000 software, and the device is powered by a 24 V DC supply with a current consumption of 70 mA plus the total K-bus current, up to a maximum of 500 mA. The recommended fuse is ≤ 10 A.

Designed for reliability, the BK9103-1005 is housed in a compact polycarbonate enclosure, suitable for mounting on a 35 mm DIN rail. It operates within a temperature range of -25°C to +60°C and has a weight of approximately 170 grams.

The device complies with various standards, including CE, UL, ATEX, IECEx, and DNV GL, ensuring its suitability for diverse industrial environments.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

Generated on demand. The PDF file is not stored on the server.