IC-KP-B6-SUBD

Industrial automation components

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Manufacturer	Pepperl+Fuchs
Catalog number	ic-kp-b6-subd
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Pepperl+Fuchs
Part Number	IC-KP-B6-SUBD
Product Type	Control Interface Unit
Interface	PROFIBUS DP
Max. Read/Write Heads	4
LC Display	Two-line multi-function display with 12 characters per line
Operating Voltage	20 to 30 V DC
Power Consumption	3.5 W
Housing Material	Powder-coated aluminum
Dimensions	148 mm x 105 mm x 73 mm
Waga	1000 g

Description

The Pepperl+Fuchs IC-KP-B6-SUBD is a control interface unit designed for RFID applications, featuring a PROFIBUS DP interface. It supports up to four read/write heads or alternatively, two read/write heads and two trigger sensors.

The device is equipped with a two-line multi-function LC display with 12 characters per line, facilitating easy configuration and operation. Direct control is possible via four keys: ESC, up, down, and return.

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

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Status indicators include LEDs for read/write heads, power, bus communication, and data exchange. The unit operates within a voltage range of 20 to 30 V DC and consumes a maximum of 3.5 W without connected read/write heads.

It offers galvanic isolation in accordance with DIN EN 50178, with a rated insulation voltage of 50 V eff. The interface utilizes RS-485 physical layer and PROFIBUS DP protocol, supporting transfer rates from 9.6 kBit/s up to 12 MBit/s.

The device is housed in a powder-coated aluminum enclosure, measuring 148 mm in length, 105 mm in width, and 73 mm in height, with a weight of approximately 1000 g. It is designed for ambient temperatures ranging from -25 to 70 °C and can withstand storage temperatures from -30 to 80 °C.

The device complies with electromagnetic compatibility standards EN 61326-1 and RoHS Directive 2011/65/EU.