WCS3B-LS310D

Industrial automation components

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Manufacturer	Pepperl+Fuchs
Catalog number	wcs3b-ls310d
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Interface Type	SSI
Resolution	±0.4 mm (1,250 positions/m)
Measurement Range	314.5 m
Passage Speed	12.5 m/s
Operating Temperature	0 to 60 °C
Housing Material	ABS, PC (Polycarbonate)
Stopień ochrony	IP54

Description

The Pepperl+Fuchs WCS3B-LS310D is a non-contact, absolute position encoder designed for precise distance measurement in industrial automation applications. Utilizing an SSI interface, it offers a resolution of ±0.4 mm (1,250 positions/m) and supports passage speeds up to 12.5 m/s.

The device features an integrated display module and automatic detection of dirt accumulation, ensuring reliable performance in demanding environments. With a measuring range of up to 314.5 meters and free tolerances to the code rail of ±15.5 mm horizontally and ±14 mm vertically, it provides flexibility in installation.

The WCS3B-LS310D operates within a temperature range of 0 to 60°C and is housed in an IP54-rated enclosure, making it suitable for various industrial settings.

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