

PRODUCT SPECIFICATION

YZH4813A21MTD5VG15

Overview

YZH48 series 23 bit electronic multi-turn absolute encoder for servo motor feedback in machine tools and automation.

Technical parameters

Resolution: 131072 (17 bit) / 8388608 (23 bit)

Multi-turn resolution: 65536 (16 bit)

Absolute positioning accuracy: < 50 arc seconds

Repetition positioning accuracy: < 3 arc seconds

Communication: Tamagawa RS485, baud rate 2.5 MHz

Speed: up to 6000 rpm

Shaft: taper 9 mm 1:10, 8 mm straight, 6 mm straight, 6 mm push

Moment of inertia: 0.68 kg mm²

Shock: 980 m/s², 11 ms, three axes

Temperature: -20 C to +105 C

Protection: IP40

Ordering rule

YZH | 48 outer dia. | bore | version | bits | single or multi
turn | interface | leaf spring | supply voltage | cable length