

Encoders for Industrial Servo Motors

DETAILED PRODUCT DATA

Performance

Resolution	17–19 bit
Accuracy	±0.05°
Max rotation speed	6,000 RPM
Built-In Test (BIT)	Optional
Repeatability	±1 count

Electrical and interface

Power supply	External 5V DC ±10%
Power consumption	≤ 90mA
Communication protocols	SSi, BiSS, CAN-bus

Environmental

Operating temperature	-40°C to +100°C
Relative humidity	98% [No condensation]
Shock resistance	100 g for 6 ms
Vibration resistance	50g 10 – 2000 Hz
EMC	IEC 6100-6-2, IEC 6100-6-4

Mechanical

Structure	Frameless Two-plates
Weight	5.5 gr (VLH-35)
OD / ID	35 / 11 mm
Startup torque	NA
Moment of inertia of the rotor	170 gr * sqr mm
Allowable mounting tolerance - Axial	±0.2
Allowable mounting tolerance - Radial	±0.2

