



Encoder HOG165M DN 1024 for Top Drive system

URL:<https://www.sxplc.com/encoder-hog165m-dn-1024-for-top-drive-system>

Product data sheet

Technical Data

Technical data - Electrical parameters

Supply voltage \square 9...30 VDC 5 VDC \pm 5% 9...26 VDC

Current consumption (without load) $\square \leq$ 100 mA

Number of pulses per revolution \square 1024 ... 8192

Phase shift \square 90° \pm 20°

Duty cycle \square 40...60 %

Reference signal \square Zero pulse, 90° width

Sensing principle □ Optical

Output frequency □ ≤120 kHz

Output signals □ K1, K2, K0 + inverted signals

Output method □ HTL □ TTL/RS422

Shaft insulation voltage □ 2,8 kV

Immunity □ EN 61000-6-2

Radiated interference □ EN 61000-6-3

Approvals □ CE □ UL certification / E217823

Technical data - Mechanical parameters

Dimensions (flange) □ ∅165 mm

Shaft type □ ∅20...38 mm (blind type)

Allowable shaft load □ ≤500 N Axial ≤ 650 N Radial

Protection class (EN 60529) □ IP 67

Operating speed □ ≤ 6000 rpm (mechanical)

Typical operating torque □ 15 Ncm

Rotor inertia \square 4,9 kgcm²

Material Housing: aluminum alloy

Shaft: stainless steel

Operating temperature \square -40...+100 °C

Resistance \square IEC 60068-2-6

Resistance to vibration \square 20 g, 10-2000 Hz IEC 60068-2-27

Shock resistance 300 g, 6 ms

Corrosion protection \square IEC 60068-2-52 Salt spray test

Corrosion protection to ISO 12944-2 at room temperature

CX (C5-M)

Explosion protection \square II 3 G Ex ec IIC T4 Gc (gas)

II 3 D Ex tc IIIC T135°C Dc (dust)

(Optional ATEX version available)

Connection \square Terminal box

Approximate weight \square 6,1 kg

