

Type AMI 513



Pulses

Each pulse possible

up to 10.000

Favorite pulses 1.024, 1.250, 2.500, 3.600, 10.000

Interpolation

internal 2 ... 50 times interpolation optional

Mechanical Data

Hollow shaft

Ø 27 ... 55 mm, stainless steel

Shaft load

axial 10 N, radial 20 N

Rotating speed

max. 4.000 rpm

Working temperature

0° C ... +80° C

Vibration

10 g (20 ... 2.000 Hz)

Shock

100 g (11 ms)

Ingress protection

IP 52 on shaft (optional IP62)

2014/30/EU EMV-rules

DIN EN 61000-6-2, DIN EN 61000-6-3

Electrical Data

Signals

square wave and sinusoidal

Light source

LED

Operating voltage

5 Volt \pm 5 %, 10 ... 30 Volt, 5 ... 30 Volt

Current consumption

max. 100 mA without load

Output frequency

300 kHz with square wave 5 Volt

300 kHz with square wave 10 ... 30 Volt

1 MHz with interpolation

Output level

5 Volt Line-Driver

10 ... 30 Volt push-pull short-circuit proof

Current output

20 mA

Output signals

2 channels A and B phase-shifted 90° electrically

zero-pulse 1 pulse per revolution

length 90°, 180° or 360° electrically

all signals with inversion

