

Guided cable shaft copying WDGMS



Specifications of encoder: Available PPR:
1-16384

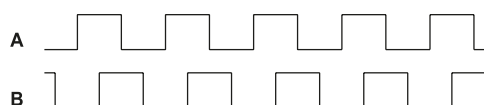
Mechanical Data

Housing	
- Screw flange:	Aluminium
- Cap:	stainless steel
Diameter:	36 mm
Shaft	
- Material:	stainless steel
- Diameter:	6 mm with flat
- Length:	13 mm
- Permitted load on shaft end:	max. 80 N radial max. 50 N axial
- Starting torque:	approx. 0.3 Ncm at ambient temperature
Bearings	
- Type:	2 precision ball bearings
Max. operating speed:	12000 rpm
Weight:	approx. 300 g with cable
Connections:	K2-030: cable axial with 3 m cable
Protection rating : (EN 60529)	IP67, shaft sealed to IP65
Operating temperature:	-20 °C up to +80 °C
Storage temperature:	-30 °C up to +80 °C

Machinery Directive: basic data safety integrity level

MTTF _d :	2200 a
Mission time (T _M):	25 a
Nominale service life (L _{10h}):	1,7 x 10 ¹⁰ revs. at 12000 rpm and 20 % rated shaft load
Diagnostic coverage (DC):	0 %

Puls diagram:



Customs tariff number: 90318020
Country of origin: Germany

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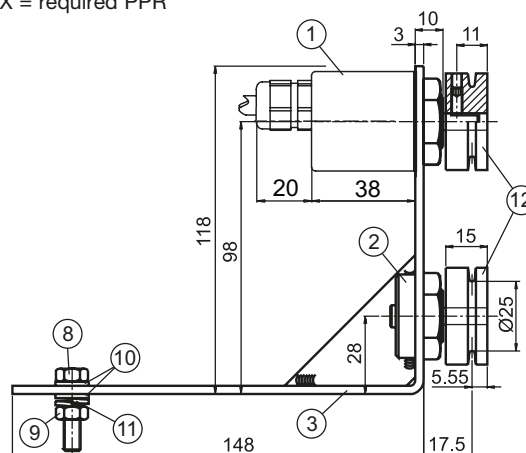
- Complete Measuring System for Length Measurement
- No slip when speed below 1 m/s
- Height typically 17 stops, approx. 53 m
- Resolution until 0.03 mm
- Quick assembly
- Applications: digital shaft copy for lifts, exact measurement of distance and speed

www.wachendorff-automation.com/wdqms

The guided cable shaft copying WDGMS comprises:

1	WDGI 36S-06-XXXXX-AB-H24-K2-030 (WDGI 36S acc. to data sheet)	
2	Redirect pulley	1x PULLEY-ZVK (incl. Nut)
3	Mounting angle	1x MKMWRT0001-ZVK
4	Weight	1x MKGERT0000-ZVK
5	Spring	1x FESFWDG001-ZVK
6	Ring screw	2x SC80RS50Z0-ZVK (not shown)
7	Dowel I	2x MKDBM8SKU0-ZVK (not shown)
8	Screws M6 x 25	2x SC60HG25Z0-ZVK
9	Nuts M6	2x MUM0M60000-ZVK
10	Washers U6	4x US601612M0-ZVK
11	Spring washers U6	2x US601612M1-ZVK
12	Roll of wire	2x MKRS635150-ZVK

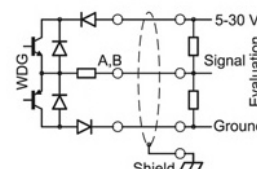
XXXXX = required PPR



Measurement drawing WDG-MS-36S-XXXXX, dimensions in mm

Electrical Data:

Power supply:	4.75 VDC up to 30 VDC
Current consumption:	max. 70 mA
Channels:	A, B
Output:	push-pull
Load:	max. 40 mA
Signal level:	to 20 mA $H > U_B - 10\% U_B$ $L < 2,5 \text{ VDC}$
Pulse frequency:	600 kHz (HTL); 1 MHz (TTL)
Circuit protection:	inverse-polarity and short-circuit



Ordering information:

Description:	Order No.:
Measuring System XXXXX = Please specify required PPR (Roll of wire Ø 25 mm)	WDG-MS-36S-XXXXX
Accessories: Measuring wire xxx = length in meters Example: Measuring wire, 1 m length	WDGSNXXX WDGSN001