



WOERNER

The Experts in Lubrication



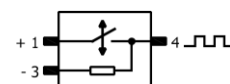
Oval gear flowmeter KUO-A

Oval gear flowmeter with two magnets in a gear, which cause switching of the integrated reed switch (NO contact) twice per rotation.

Technical data:

Housing material	Order design.
Aluminium anodized (standard):	KUO-A/01
acid resistant steel 1.4436 / AISI 316:	KUO-A/11
Aluminium anodized	
ATEX II 2GD 80 °C-version:	KUO-A/21
Flow:	0 ... 2,5 l/min
Flow direction:	user-defined
Accuracy	
Grease NLGI 2:	0,655 cm³/imp. ±3%
Oil ISO VG 150:	0,610 cm³/imp. ±3%
Operating pressure:	max. 700 bar
Vibration resistance:	20 g (10 ... 20.000 Hz)
Life time:	10 ⁹ impulse (655 m³) at I < 10 mA
Temperature range:	-20 ... +70 °C
Connections:	G 1/8
Dimensions:	59x40x38 mm (without connector)
Protection type:	DIN EN 60529 IP67
Electr. connection:	Plug M12x1, 4-pin Signal pin 1 + 4 5 ... 34 VDC / max. 0,2 A

Connection diagram:

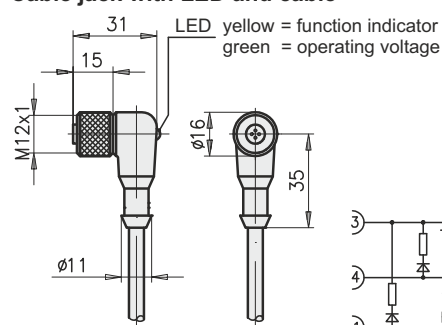


The suitable monitoring unit for 0,01 to 0,5 l/min see KUZ04 data sheet P0528 or KUZ16 data sheet P0518.

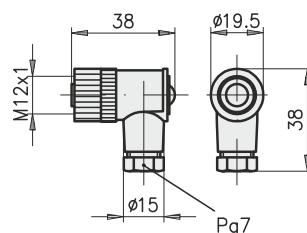
Auxiliaries:

Cable jack for proximity switch

Cable jack with LED and cable



Cable jack with connecting terminals



Cable jack with LED and cable:

Order no.:	913.404-19
Operating voltage:	10 ... 30 VDC
Cable	
Cross section:	3x0,34 mm²
Length:	5 m
Protection type:	DIN EN 60529 IP68

Cable jack with LED and cable (straight):

Order no.: **913.405-34**

Cable jack with connecting terminals: (without LED)

Order no.:	913.404-24
Connection type:	Screws
Connector cross section:	max. 0,75 mm²
Cable diameter:	4 ... 6 mm
Protection type:	DIN EN 60529 IP67

Oval gear flowmeter KUO-A

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In its controls and switching devices, WOERNER only uses materials which fulfil the criteria of EU Directive 2011/95/EU. To the extent that hexavalent chromium has been used as corrosion protection in the parts which we produce ourselves, it has already been replaced by other environmentally tolerable protective measures.

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But as WOERNER is conscious of its responsibility towards the environment, we shall also use materials fulfilling the requirements of the Directive for devices not covered by EU Directive 2011/95/EU as soon as they are generally available and their use is technically possible.