



Illustration shows example

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	

⚡ Use in intrinsically safe power circuit: **KUO-A/21**

Flow: 0 ... 2,5 l/min

Flow direction: user-defined

Lubricant: Mineral oil and grease
NLGI class 000 to 2
(other media on request)

The used lubricant must be suitable for application in central lubricating installations.

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
KUO-A/01, KUO-A/11:

10⁹ impulse (655 m³)
at I < 10 mA

KUO-A/21: 10⁷ impulse (6,55 m³)

Temperature range: -20 ... +70 °C

Connections: G 1/8

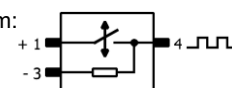
Dimensions: 59x40x38 mm
(without connector)

Protection class: DIN EN 60529 IP67

Connection type: Male M12x1, 4-pin
5 ... 34 VDC / max. 0,2 A

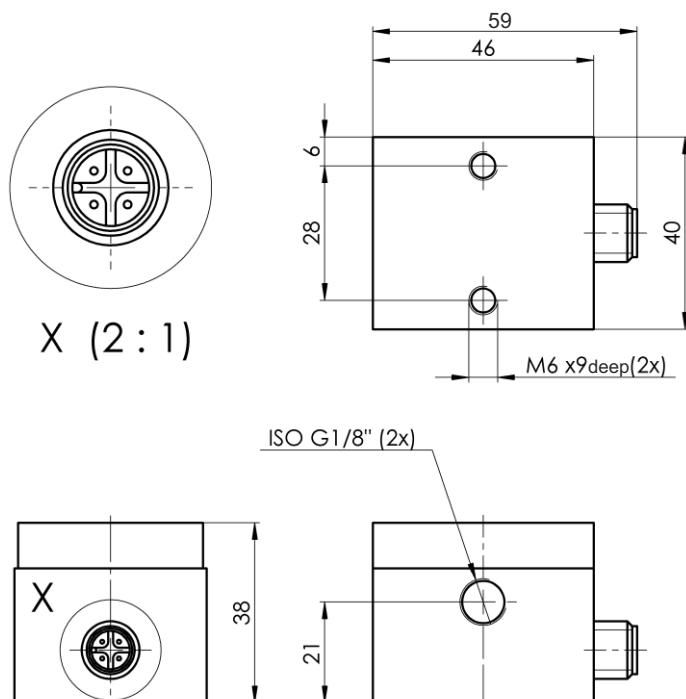
Connection diagram:

KUO-A/01
KUO-A/11



Connection diagram: 1 ——— 4
KUO-A/21

- Subject to modifications -





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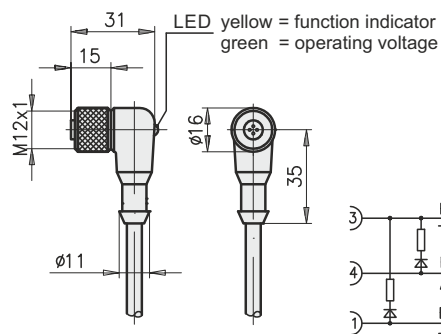
Lubrication Experts since 1922

Accessories:

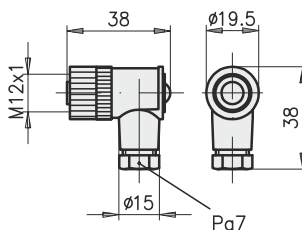
Connecting cable

(please order no. specify)

Connecting cable with LED



Cable jack with connecting terminals



Connecting cable with LED:

Order no. / 90°: **913.404-19**

Order no. / 0°: **913.405-34**

Operating voltage: 10 ... 30 VDC

Cable

Cross section: 3x0,34 mm²

Length: 5 m

Protection class: DIN EN 60529 IP68

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 class: DIN EN 60529 IP67

- Subject to modifications -



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