

Gear wheel indicator SFZM

For precise flow rate monitoring in oil circulation systems





Lubrication and hydaulic oils; 20 to 600 mm²/s



up to 50 bar (725 psi)



-20 to +70 °C (-4 to 158 °F)



0,09 to 8,0 l/min (0.19 to 16.90 pts/min)



M12×1 socket



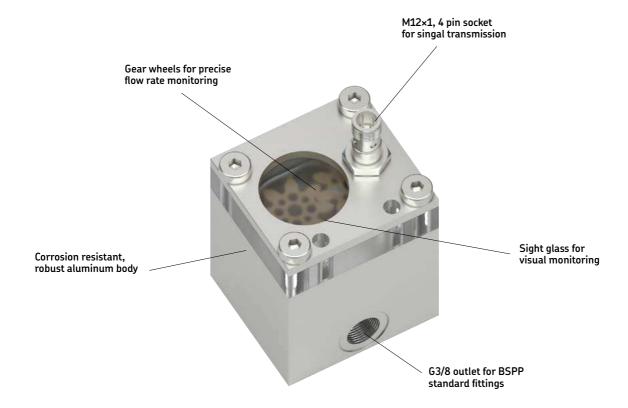


Applications

- Pulp and paper industry
- Automobile body presses
- Mining and mineral processing
- Metals industry



Product information



Description

The SFZM gear wheel indicator is an oil flow monitoring device. It offers robust flow monitoring of lubrication points even under harsh environmental conditions. Its gear wheel measuring principle is based on the flow limiter technology. SFZM flow meters have a compact design and have small installation dimensions. At the same time, they allow a wide range of flow rates from 0,09 l/min to 8,0 l/min. This allows the use in a wide variety of applications. SFZM gear wheel indicators can also be used as monitoring device for self-adjusting circuits.

Features and benefits

- · Compact and light weight design
- Corrosion resistant, robust aluminum body
- Three versions with different resolutions from 3, 6 to 12 ml/pulse
- Sight glass for visual monitoring
- Gear-wheel-type measuring principle
- Upper-level process control connectivity
- Atex design available on request

Technical data

Function principle Lubricant

Operating temperature Operating pressure Flow rate Material Connection inlet Connection outlet Dimensions SFZM-XO...

SFZM-X1...

Weight Mounting position

Details pulse generator: Switch function Output type Installation

Sensing distance

Secured sensing distance Switching frequency Operating voltage Hysteresis Voltage drop Operating current Residual current

Circuit state display Protection class Short circuit protection Polarity reversal protection

Plug connector

gear wheel indicator mineral and synthetic oils; viscosity 20 to 600 mm²/s -20 to +70 °C; -4 to +158 °F max. 50 bar; max. 725 psi 0,09–8,0 l/min; 0.19–16.90 pts/min

Al, Cu, Mg, Si G3/8 G3/8

anv

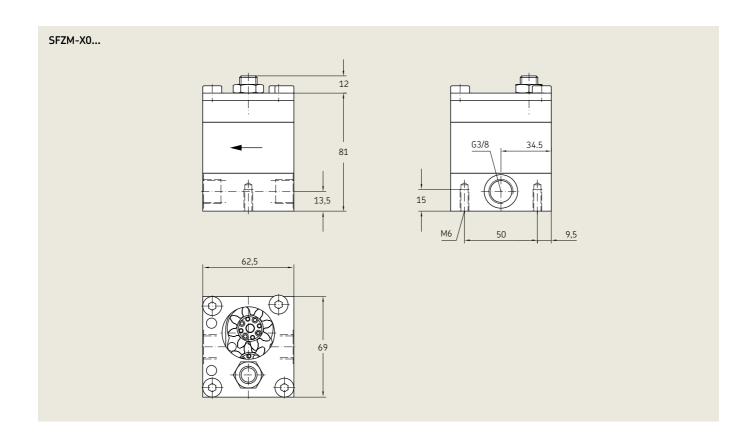
63 × 69 × 93 mm; 2.48 × 2.71 × 3.66 in 63 × 69 × 108 mm; 2.48 × 2.71 × 4.25 in 0,9 kg; 1.98 lbs

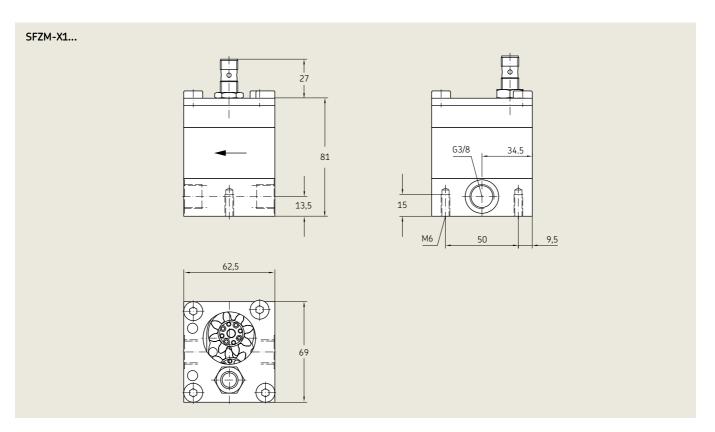
NO, PNP inductive, 3-wire flush-mounted 4 mm 0-3,24 mm

0-3,24 mm max. 500 Hz 10-30 V DC typ. 5% ≤3 V 0-150 mA 0-0,5 mA, typ. 0,1 μA LED yellow IP 67

intermittent yes M12x1, 4-pin

Drawings





Order information

order number	Designation	Monitoring	Resolution	Pulse	Connection (cable and plug) included	Cable length	
			ml/pulse	pulse/l		m	ft
788-00000039	SFZM-X01XX-G	visual	3	333	_	_	_
788-00000040 788-00000016	SFZM-X02XX-G SFZM-X03XX-G	visual visual	6 12	167 83	- -	_	_
788-00000041 788-00000042 788-00000043	SFZM-X11XX-G SFZM-X12XX-G SFZM-X13XX-G	electrical electrical electrical	3 6 12	333 167 83	- - -	- - -	- - -
788-00000001 788-00000027 788-00000012	SFZM-X11CS-G SFZM-X12CS-G SFZM-X13CS-G	electrical electrical electrical	3 6 12	333 167 83	cable with straight connector cable with straight connector cable with straight connector	2,00 2,00 2,00	6.56 6.56 6.56
788-00000044 788-00000045 788-00000046	SFZM-X11CA-G SFZM-X12CA-G SFZM-X13CA-G	electrical electrical electrical	3 6 12	333 167 83	cable with angled connector cable with angled connector cable with angled connector	5,00 5,00 5,00	16.40 16.40 16.40
788-00000047 788-00000048 788-00000017	SFZM-X11XS-G SFZM-X12XS-G SFZM-X13XS-G	electrical electrical electrical	3 6 12	333 167 83	straight connector straight connector straight connector	- - -	- - -
788-00000049 788-00000050 788-00000051	SFZM-X11XA-G SFZM-X12XA-G SFZM-X13XA-G	electrical electrical electrical	3 6 12	333 167 83	angled connector angled connector angled connector	-	-







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