

CHARACTERISTICS

- **0.6 CM³/PULSE OUTPUT**
- **HIGH PRECISION**
- **0-2.5 LPM WIDE FLOW RATE RANGE**
- **UP TO 700 BAR OF OPERATING PRESSURE**
- **REED 24V-0.2A VOLTAGE-FREE CONTACT**
- **STANDARD M12 ELECTRICAL CONNECTOR**
- **TEMPERATURE: -20°C - +70°C**
- **1/8" BSP INLET AND OUTLET CONNECTION**

FLOW METER WITH AN OVAL GEAR FOR OIL AND GREASE

The flow meter uses a system with an oval rotary gear with encapsulated that permit the output in lubricant pulses that volumetrically correspond to the flow that goes through the flow meter.

The flow meter is suitable for installation at critical lubrication points. These are typically characterise by the relative flow at low and high pressure levels.

Used with the Vip5 or lubrication controller or with a PLC system, it is possible to instantly calculate the flow rate (measuring the time between pulses). The total counting function can be obtained by simply counting pulses.

In applications with continuous operation and high reading speeds, replace the connector with the appropriate adapter and Dropsa ultrasensor.

It is possible to order the sensor with the ultrasensor already assembled.



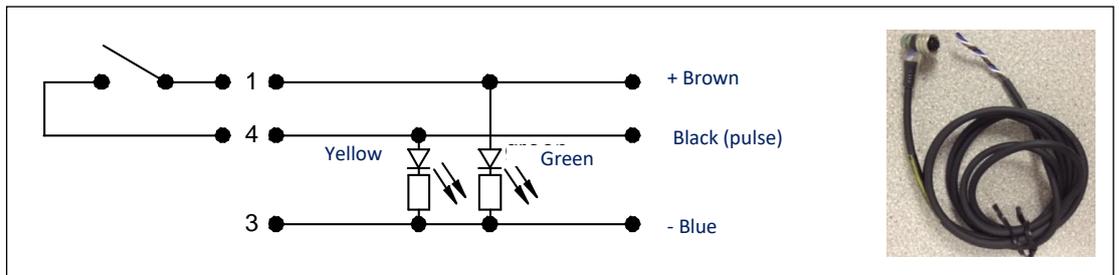
TECHNICAL CHARACTERISTICS

Dimensions	(LxWxH): 55 x 40 x 38mm without connector	
Connections	1/8" BSP	
Material	anodised aluminium or in stainless steel, AISI 316	
Weight	Al: 0.186 kg SS: 0.485 kg	
Flow rate	0 – 2500 cm ³ /min	
Temperature	-20°C - +70°C	
Vibrations	20 G (10-20000 Hz)	
Guaranteed cycles	109 cycles, approximately corresponding to 655 m ³ (reed contact) (to reach the max lifetime, the absorption must be 10 < mA). For continuous high cycle rates (typically oil applications) it is recommended to use the ultrasensor versions.	
Resolution	Grease: 0.655 cm ³ /pulse Oil: 0.610 cm ³ /pulse	Grease: 1.31 cm ³ /pulse Oil: 1.22 cm ³ /pulse
IP Class	IP 67	
Electric connector	4-pole STD. M12x1 male, 1 and 4 pin signal.	
Voltage	0 – 24 VDC	
Power	max. 0.20 A	

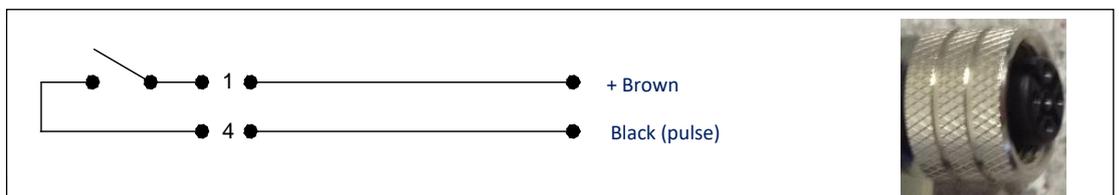
APPLICATIONS

- **ANY APPLICATION WITH HIGH PRESSURE INSTALLATION**
- **MONITORING OF CRITICAL POINTS**
- **PROGRESSIVE SYSTEMS AND DUAL LINE**
- **OIL FILLING APPLICATIONS**

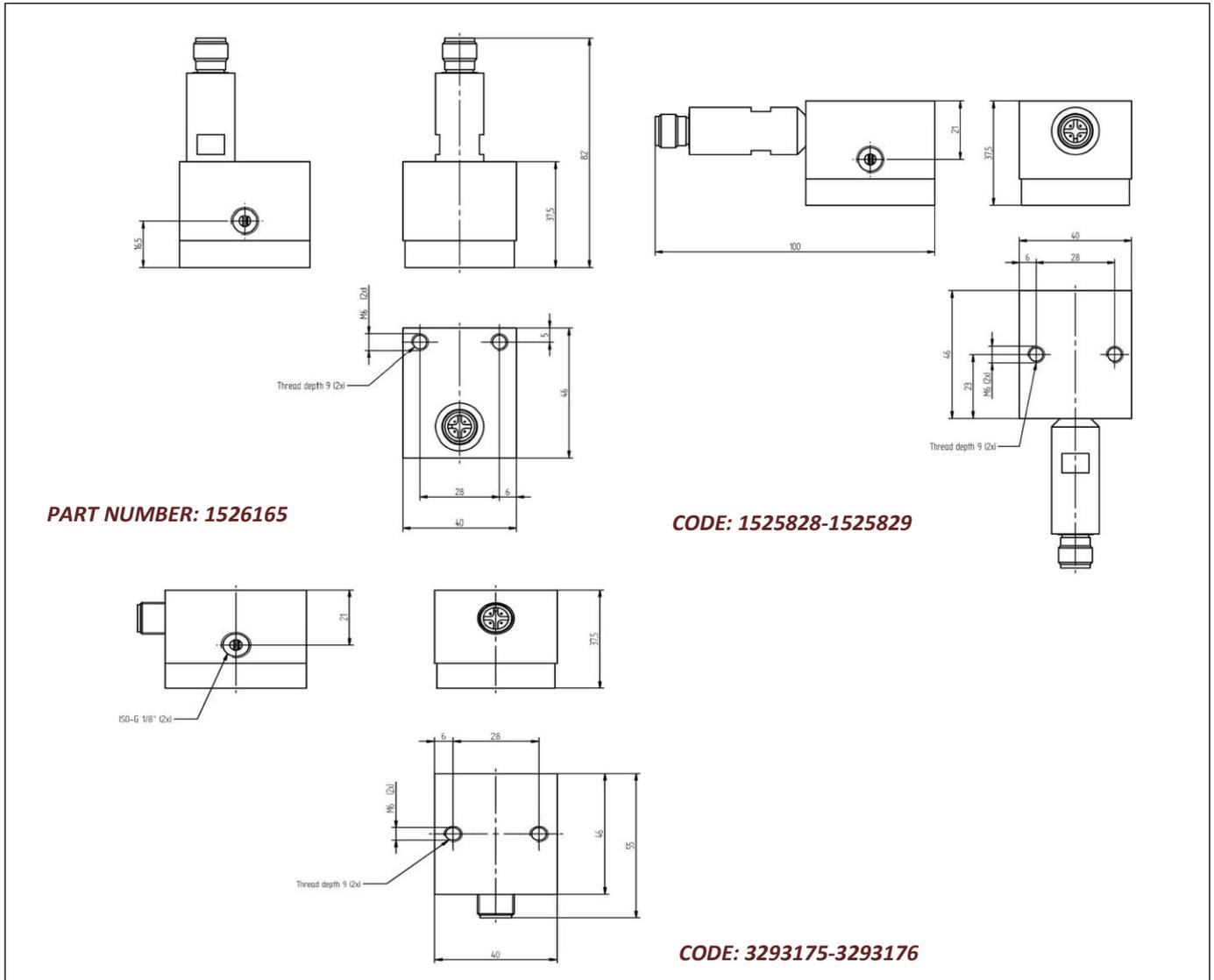
PART NUMBER 0039768 Connector M12x1, female with integrated LED. 2m cable



PART NUMBER 0039999 M12x1 connector, cable not included



DIMENSIONS (NOT TO SCALE)



ORDER INFORMATION

AVAILABLE VERSIONS			
RESOLUTION	MATERIAL	SENSOR	CODE
Grease: 0.655 cm ³ /pulse Oil: 0.610 cm ³ /pulse	Aluminium	Reed	3293175
Grease: 0.655 cm ³ /pulse Oil: 0.610 cm ³ /pulse	AISI 316	Reed	3293176
Grease: 1.31 cm ³ /pulse Oil: 1.22 cm ³ /pulse	Aluminium	Ultrasensor	1525828
Grease: 1.31 cm ³ /pulse Oil: 1.22 cm ³ /pulse	AISI 316	Ultrasensor	1525829

ACCESSORIES	
DESCRIPTION	PART NUMBER
M12x1 connector, female. Cable not included.	0039999
Connector M12x1. 2m, male with integrated LED	0039768
ULTRASENSOR adapter	3085123
ULTRASENSOR	1655308

Distributor Info: