FEATURES

- · Solid state technology, no moving parts
- TTL compatible or transistor output
- · 10 mA or 800 mA output current
- · Stainless steel housing
- · High media compatibility
- · Fast response, electrically robust



WETTED MATERIALS

Tip: Polysulphone Housing: Stainless steel 304

SPECIFICATIONS

Maximum ratings

 Supply voltage

 OLM01T...
 5...12 V

 OLM80U...
 10...45 V

Supply current

OLM01T... 15 mA OLM80U... 25 mA

Output current

OLM01T...* 10 mA OLM80U... 800 mA

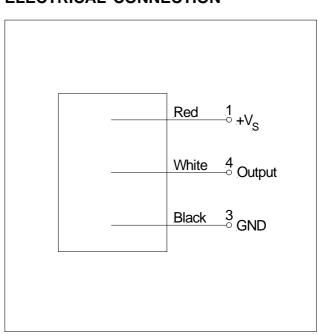
Operating temperature range

OLM...2... -25 to 80°C OLM...4... -40 to 125°C

Pressure range 25 bar

Protection class up to IP 68

ELECTRICAL CONNECTION



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^{* 10} mA sink current, source current depends on $\rm V_{\rm S}$ and $\rm R_{\rm L}$

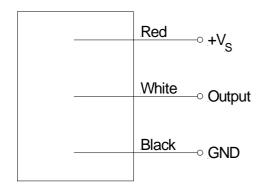
PERFORMANCE CHARACTERISTICS

Characteristics	Min.	Тур.	Max.	Unit	
Repeatability			±1	mama	
Hysteresis (depending on liquid)			1	mm	
Response time rising liquid			50	μs	
Response time falling liquid (ethanol)			1	S	

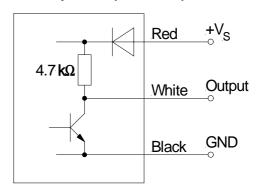
ELECTRICAL CONNECTION (cont.)

	Electrical Termination						
Assigment	M12 x 1	Cable, 3 m					
	(pin)	(lead colour)					
+V _s	1	Red					
N/C	2	-					
GND	3	Black					
Output	4	White					

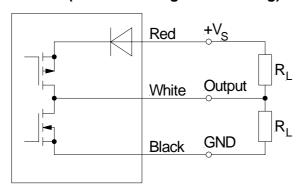
TTL compatible (high in air)



TTL compatible (low in air)



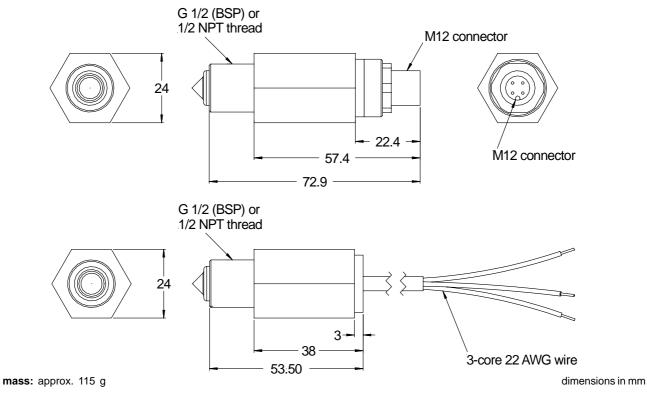
Push-Pull (current sinking and sourcing)



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OUTLINE DRAWING



Note: Do not mount the sensor with prism pointing downwards.

The prism should be at least 10 mm away from any infrared-reflecting surface.

ORDERING INFORMATION

	Carias		Output			Tip material		Haveing type		Tammaratura		Towningtion		
Series			Current	Type	Function		Tip material		Housing type		Temperature		Termination	
Options	OLM	01T	10 mA	TTL compatible	0	Low in air	Р	Polysul- phone	S	G 1/2 (BSP)	2	-2580 °C	D	M12 x 1 (IP67)
		80U	800 mA	Push-Pull	1	High in air			Т	1/2 NPT	4*	-40125 °C	M	Cable, 3m (IP67)
* not available for01T0 versions														
Example:	OLM	80U			0		Р		S		2		D	

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