Motion Control Sensor

Features

- *10, 16, 25, 30, 40, 50, 100, 150, 200, 250, 350, 400 bar*
- *Infinite resolution*
- *IP 67*

RS PRO Motion Control Sensor

Pressure Transmitter

Model OPTC 24



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

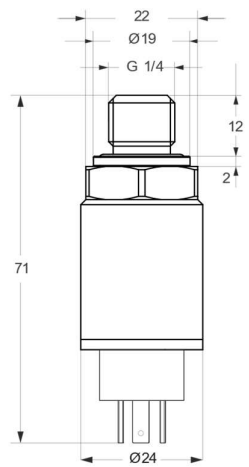
Motion Control Sensor

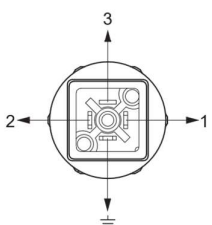
Product Description

This RS PRO series is designed as compact, high robust, accurate pressure transmitter, up to 600 bar pressure measuring range.
This RS PRO series pressure transmitters provides absolute pressure rating feedback for wide range of industrial applications.

Mechanical Specifications

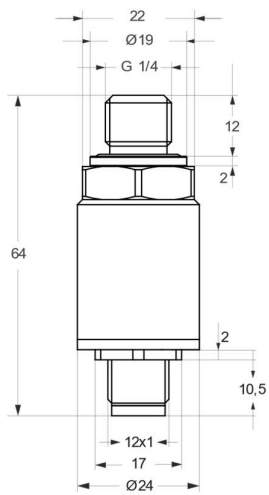
CH2 Connector

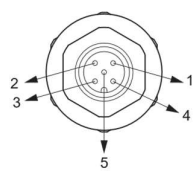




Voltage output		Current output	
1	0V	1	+Vs
2	Vout	2	Iout
3	+Vs		

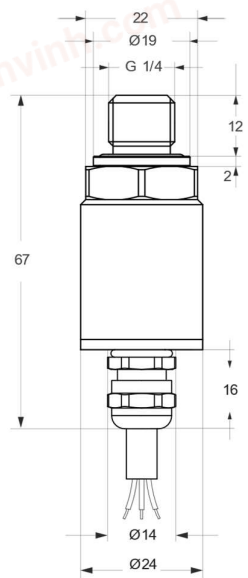
CN5A: M12, 5 Pin Connector Output

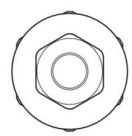




Voltage output		Current output	
1	GND	1	+Vs
2	Vout	2	Iout
3	+Vs		

Cable output



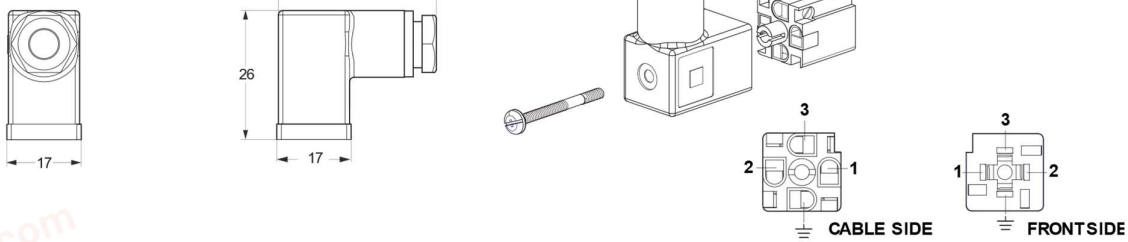


Voltage output		Current output	
+Vs	Brown	+Vs	Brown
0V	Blue	Iout	Blue
Vout	Yellow		

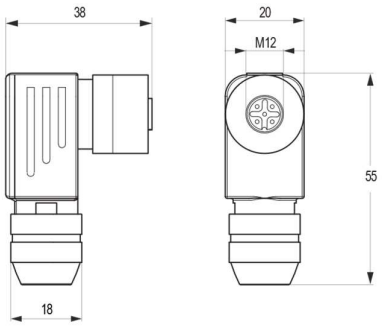
Motion Control Sensor

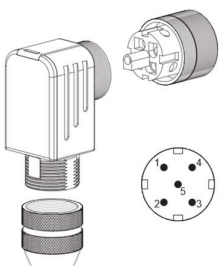
Connectors / Cable

Connector (standard)

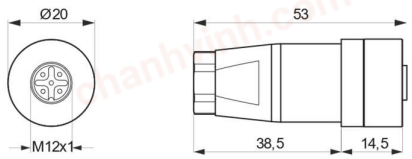


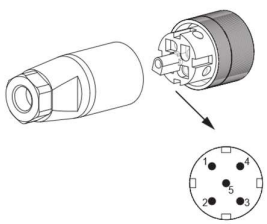
CN5AL: M12x1 Connector (optional)





CN5AF: M12x1 Connector (optional)





Mating Connectors Order Procedure

CN5AL: M12x1 Connector (optional)
CN5AF: M12x1 Connector (optional)

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General Specifications

Range	10, 16, 25, 30, 40, 50, 100, 150, 200, 250, 350, 400 bar
Output signal	4-20 mA (2-wire), 0-10V (3-wire) 0,5 – 4,5V // 0,1 – 1 0,1V 1 – 10V // 0,1 – 5,1V (custom designs)
Accuracy - Linearity	Typ : ±0,25%FS (BFSL method) (1) Max. : ±1%FS /BFSL method) (2)
Resolution	Infinite
Update time	<1 ms
Overpressure range	2x pressure range
Burst pressure	3x pressure range
Power supply	8-24 VDC or 12-28 VDC
Power consumption	Max: 20 mA, <8 mA
Insulation resistance	>1500 Mohm @250 VDC
Case material	Stainless steel
Protection level	IP 67
Electrical connections	Reverse polarity
Storage temperature	-40°C ... +80°C

Approvals

Declarations	CE, UKCA, ROHS, REACH

Motion Control Sensor

Series Information

MPN	Mechanical thread	Pressure Range	Output	Connector / Cable
0429778	G 1/4	10 bar	4..20mA	4pin DIN connector
0429780	G 1/4	400 bar	0..5V dc	4pin DIN connector
0429781	G 1/4	10 bar	0..5V dc	4pin DIN connector
0429783	G 1/4	16 bar	4..20mA	4pin DIN connector
0429784	G 1/4	16 bar	0..5V dc	4pin DIN connector
0429786	G 1/4	25 bar	4..20mA	4pin DIN connector
0429787	G 1/4	100 bar	4..20mA	4pin DIN connector
0429788	G 1/4	250 bar	4..20mA	4pin DIN connector
0429790	G 1/4	40 bar	4..20mA	4pin DIN connector
0429792	G 1/4	25 bar	0..5V dc	4pin DIN connector
0429793	G 1/4	250 bar	0..5V dc	4pin DIN connector
0429794	G 1/4	10 bar	100mV	4pin DIN connector
0429796	G 1/4	400 bar	4..20mA	4pin DIN connector
0429797	G 1/4	10 bar	4..20mA	5pin M12 Round Connector
0429799	G 1/4	100 bar	0..5V dc	5pin M12 Round Connector
0429800	G 1/4	10 bar	0..5V dc	5pin M12 Round Connector
0429801	G 1/4	100 bar	0..5V dc	4pin DIN connector
0429803	G 1/4	250 bar	0..100mV	12 pin connector
0429804	G 1/4	40 bar	0..5V dc	4pin DIN connector
0429806	G 1/4	25 bar	0..100mV	4pin DIN connector

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0429807	G 1/4	100 bar	0..100mV	4pin DIN connector
0429809	G 1/4	400 bar	0..100mV	4pin DIN connector
0429810	G 1/4	16 bar	4..20mA	4pin M12 Round Connector
0429812	G 1/4	25 bar	4..20mA	4pin M12 Round Connector
0429813	G 1/4	250 bar	0..5V dc	4pin M12 Round Connector
0429815	G 1/4	40 bar	4..20mA	4pin M12 Round Connector
0429816	G 1/4	25 bar	0..5V dc	4pin M12 Round Connector

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