Endress+Hauser
People for Process Automation

Ceraphant® PTP33B Series Digital Pressure Sensors

Part No. PTP33B-CA7M1FGF3CJ

Features

- Ideal for industrial pressure measurement and indication in gas, liquid, and vapor applications
- Measuring ranges from 6 psig up to 600 psig
- Selectable engineering units include psi, bar, kPa, MPa
- 1-1/2in sanitary tri-clamp process connection for food and beverage applications
- Suitable for CIP/SIP cleaning
- Models available with 2 solid state switch outputs providing a reliable alternative to mechanical pressure switches
- Models available with both an analog 4-20 mA output and solid state switch output for use as a combination pressure switch and transmitter
- Built-in one line 4-digit LCD display shows measured values, fault messages and information messages. The display background will show white or red indicating device status.
- Displayed value can be rotated 180° for installation flexibility
- 3 bright LEDs indicate device and output status
- Simple pushbutton setup for easy and quick configuration prior to installation without the need for a separate pressure reference gauge
- Stainless steel housing allows for a high IP67 ingress protection rating
- 4-pin M12 electrical connection
- IO-Link connectivity

IO-Link

For a variety of cable options see our website www.AutomationDirect.com

Ceraphant PTP33B Digital Pressure Sensor Selection

Part Number	Price	Weight (lb)	Pressure Range (psig)	Max Working Pressure (psig)	Over Pressure Limit (psig)	Accuracy	Sensing Element	Output 1	Output 2	Process Connection	Electrical Connection
PTP33B-CA7M1FGF3CJ	$651.00	0.95	0 to 6	15	24	±0.5% of full range	316L (1.4435)	4-20 mA	Switch PNP, N.O. / N.C. selectable or IO-Link	1-1/2in sanitary tri-clamp	4-pin M12 quick-disconnect
PTP33B-CA7M1HGF3CJ	$651.00	0.95	0 to 15	40.5	60						
PTP33B-CA7M1KGF3CJ	$651.00	0.95	0 to 30	100.5	150						
PTP33B-CA7M1MGF3CJ	$651.00	0.95	0 to 60	160.5	240						
PTP33B-CA7M1PGF3CJ	$651.00	0.95	0 to 150	375	600						
PTP33B-CA7M1SGF3CJ	$651.00	1.0	0 to 600	1500	2400						
PTP33B-CA8M1FGF3CJ	$559.00	0.95	0 to 6	15	24	±0.5% of full range	316L (1.4435)	Switch PNP, N.O. / N.C. selectable	Switch PNP, N.O. / N.C. selectable or IO-Link	1-1/2in sanitary tri-clamp	4-pin M12 quick-disconnect
PTP33B-CA8M1HGF3CJ	$559.00	0.95	0 to 15	40.5	60						
PTP33B-CA8M1KGF3CJ	$559.00	0.95	0 to 30	100.5	150						
PTP33B-CA8M1MGF3CJ	$559.00	0.95	0 to 60	160.5	240						
PTP33B-CA8M1PGF3CJ	$559.00	0.95	0 to 150	375	600						
PTP33B-CA8M1SGF3CJ	$559.00	1.0	0 to 600	1500	2400						

For complete technical information and installation see Vendor Tech Specs and Vendor Manual links.

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Ceraphant® PTP33B Series Digital Pressure Sensors

Ceraphant PTP33B Digital Pressure Sensor Resources					
Part Number	*Drawing Link*	*Vendor Technical Specifications*	*Vendor Operating Manual*	*Vendor Insert*	*IO-Link Quick Start Guide*
PTP33B-CA7M1FGF3CJ	PDF	PDF	PDF	PDF	PDF
PTP33B-CA7M1HGF3CJ	PDF				
PTP33B-CA7M1KGF3CJ	PDF				
PTP33B-CA7M1MGF3CJ	PDF				
PTP33B-CA7M1PGF3CJ	PDF				
PTP33B-CA7M1SGF3CJ	PDF				
PTP33B-CA8M1FGF3CJ	PDF	PDF	PDF	PDF	PDF
PTP33B-CA8M1HGF3CJ	PDF				
PTP33B-CA8M1KGF3CJ	PDF				
PTP33B-CA8M1MGF3CJ	PDF				
PTP33B-CA8M1PGF3CJ	PDF				
PTP33B-CA8M1SGF3CJ	PDF				

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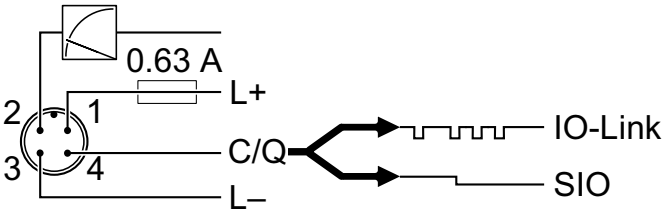
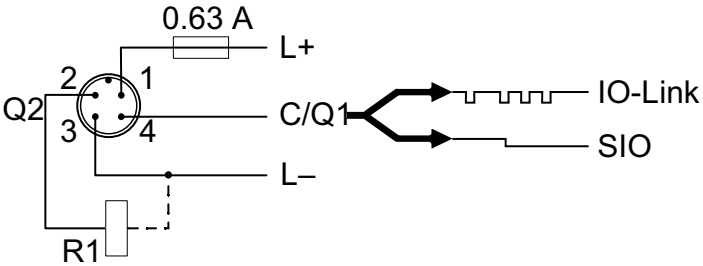
PTP33B Series Wiring Examples



1 x analog / 1 x PNP or IO-Link



1 x PNP / 1 x PNP or IO-Link