Keyence AP-33KP

Model: AP-33KP
Brand: Keyence
Series: AP-30 series

Two-color digital display pressure sensor (Positive pressure, PNP).

—— Hardware ——
Product type: Digital pressure sensor
Type: Positive pressure, PNP
Rated pressure: 0 to 145.0 PSI
Detectable pressure range: -15 to +110 % of F.S.
Fluid type: Air or non-corrosive gases
Type of pressure: Gauge pressure
Display: 3½-digit, 2-color, 7-segment LED (Character height: 11 mm)
Display resolution: 0.2 PSI, 0.001 MPa, 0.01 kgf/cm^2 , 0.01 bar
Display temperature characteristic: ±1 % maximum (of F.S.) at 25 °C (0 to 50 °C range)
Response time: 2.5 / 5 / 100 / 500 ms selectable (chattering prevention)

—— Communication ——
Built-in ports: None
Protocols: None
Communication expansion: None

—— Electrical ——
Supply voltage: 12 to 24 VDC ±10%
Current consumption: 50 mA maximum (at 24 V), 90 mA maximum (at 12 V)
Output type: PNP open collector, 2-output (N.O./N.C. selectable)
Control output rating: 100 mA maximum (30 V maximum), Residual voltage: 1 V maximum
Analog output: 1 to 5 V (Load impedance: 47 kΩ minimum)

—— Environmental ——
Operating temperature: 0 to +50 °C (No freezing)
Relative humidity: 35 to 85 % RH (No condensation)
Protection rating: Not available
Pressure resistance (proof pressure): 217.5 PSI
Vibration resistance: 10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each X, Y, Z direction

—— Physical ——

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Dimensions (H×W×D): Not available
Weight: Approx. 120 g
Front housing: Polyamide
Front panel sheet: PET
Rear housing: Polysulfone
Pressure port: Die-cast zinc
Cable: Oil-proof cabtyre cable

—— Lifecycle ——
Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)

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