

SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225120B011

NPN output (Low Side), NO, 0-25 Bar, 7/16 – 20 UNF,
Cable connection



- One Switching Output
- Stainless Steel & Titanium Wetted Parts
- Silicon-On-Sapphire Technology
- Factory Set



PRODUCT DESCRIPTION

The SUCO 0532 electronic pressure switch is a high-performance, factory-set device featuring a compact hex-22 stainless steel housing with titanium-wetted parts and welded design, eliminating elastomer seals. It utilises advanced Silicon-on-Sapphire (SoS) sensor technology, ensuring exceptional accuracy ($\pm 0.5\%$ FS) and long-term stability ($\pm 0.1\%$ FS/year), and delivers reliable overpressure protection up to $4\times$ the rated range. Available with a single NPN (low-side) normally-open transistor output capable of handling up to 0.5 A, it supports pressure ranges from 0–10 bar up to 0–600 bar. The 0532 offers a wide choice of process ports and electrical connections, and includes factory-set switching point and hysteresis, along with a fast response time of under 4 ms.

The 0532 is ideal for high-integrity industrial and mobile hydraulic applications, such as in construction equipment, off-road vehicles, and pneumatic systems, where compactness, precision, and reliability are crucial. Its robust SoS sensor and welded housing offer high resilience to vibration, transient pressures, and wash-down conditions, making it suitable for severe environmental exposure. The NPN output with normally open configuration and field-programmed hysteresis allows seamless integration into PLC and relay-controlled systems for safety interlocks, pressure monitoring, and automated shutdown scenarios. The switch's fast response and low moving-part design reduce wear and improve lifespan, making the SUCO 0532 a dependable solution in OEM systems requiring compact, rugged, and high-precision pressure switching.

TECHNICAL DATA

GENERAL DATA

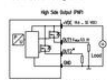
Adjustment range max	25 bar
Adjustment range min	0 bar
Electrical connection	Embedded 2m cable
Function	Normally open
Output	NPN
Burst pressure	200 bar
Pressure max	100 bar

TEMPERATURE & MATERIALS DATA

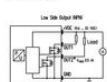


hex 22

Connection diagrams



For component operating in each connection
*H072 only for 05A



For component operating in each connection
*H072 only for 05A

Technical modifications and errors excepted.

DIN EN 15120-803-A	M 12 - DIN EN 61076-2-101 A	ISO 15175-A1-4.1	AMP Superseal
Pin Assignment 1 In 2 Out 3 Gnd 4 Out	Pin Assignment 1 In 2 In 3 Gnd 4 Out	Pin Assignment 1 In 2 In 3 Gnd 4 Out	Pin Assignment 1 In 2 In 3 Gnd 4 Out
IP67 • 60 / 75 mm ² • Ø 10 mm Order number: 001	IP67 • 54 mm • Ø 10 mm Order number: 002	IP67 • 65 mm (max) • Ø 10 mm Order number: 004	IP67 • 73 mm • Ø 10 mm Order number: 003
* without copper jacket / with copper jacket l = 75 mm			
DEUTSCH DT04-4P	DEUTSCH DT04-3P	Cable connection	
Pin Assignment 1 Gnd 2 In 3 In 4 Out	Pin Assignment 1 In 2 In 3 Gnd	Cable Assignment 1 In 2 In 3 Gnd 4 Out	
IP67 • 38 mm • Ø 10 mm Order number: 004	IP67 • 38 mm • Ø 10 mm Order number: 005	IP67 • 65 mm (max) • Ø 10 mm (max) • Ø 10 mm (max) Order number: 011	
Thread code: 01	Thread code: 03	Thread code: 04	Thread code: 09
Thread code: 10	Thread code: 12	Thread code: 14	Thread code: 16

DIN EN 15120-803-A	M 12 - DIN EN 61076-2-101 A	ISO 15175-A1-4.1	AMP Superseal
Pin: Assigned 1 In 2 Out 3 Gnd 4 Out	Pin: Assigned 1 In 2 In 3 Gnd 4 Out	Pin: Assigned 1 In 2 In 3 Gnd 4 Out	Pin: Assigned 1 In 2 In 3 Gnd 4 Out
IP67 • 60 / 75 mm ² • Ø 10 mm Order number: 001	IP67 • 54 mm • Ø 10 mm Order number: 002	IP67 • 65 mm (max) • Ø 10 mm Order number: 004	IP67 • 73 mm • Ø 10 mm Order number: 003
* without copper cable = 0104, with copper cable = 15 mm			
DEUTSCH DT04-4P	DEUTSCH DT04-3P	Cable connection	
Pin: Assigned 1 Gnd 2 In 3 In 4 Out	Pin: Assigned 1 In 2 In 3 Gnd	Cable: Assigned 1 In 2 In 3 Gnd 4 Out	
IP67 • 38 mm • Ø 10 mm Order number: 004	IP67 • 38 mm • Ø 10 mm Order number: 005	IP67 • 65 mm (max) • Ø 10 mm (max) • Ø 10 mm (max) Order number: 011	
Thread code: 01 IP67 • 38 mm • Ø 10 mm Order number: 004	Thread code: 03 IP67 • 38 mm • Ø 10 mm Order number: 005	Thread code: 04 IP67 • 65 mm (max) • Ø 10 mm (max) • Ø 10 mm (max) Order number: 011	Thread code: 09 IP67 • 73 mm • Ø 10 mm Order number: 003
Thread code: 10 IP67 • 38 mm • Ø 10 mm Order number: 004	Thread code: 12 IP67 • 38 mm • Ø 10 mm Order number: 005	Thread code: 14 IP67 • 65 mm (max) • Ø 10 mm (max) • Ø 10 mm (max) Order number: 011	Thread code: 16 IP67 • 73 mm • Ø 10 mm Order number: 003