



SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0510200091002
NO, 0 - 2 Bar, NPT 1/4, NBR, M12x1

- Single Switch Point
- Small & Compact
- Ceramic Sensor
- Stainless Steel Housing

PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Electrical connection	M12x1
Output	PNP
Function	Normally open (SPST)
Adjustment range min	0 bar
Pressure max	4 bar
Burst pressure	8 bar
Adjustment range max	2 bar
Process connection	1/4 NPT

TEMPERATURE & MATERIALS DATA

Temperature ambient to	100 °C
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR
Temperature of media from	-30 °C
Temperature ambient from	-30 °C

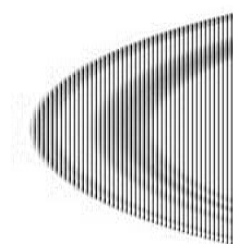
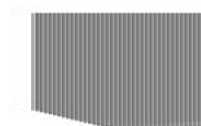
Temperature of media to	100 °C
Material of body	Stainless steel 1.4305

ADDITIONAL DATA

Switching point adjustment range	3...100 % of adjustment range(full scale), set at factory
Weight	80 g
Switching time	< 4 ms
Supply voltage dc max	32 V DC
Supply voltage dc min	9,6 V DC
Pressure rise	≤ 1 bar/ms

SAFETY & APPROVALS

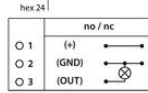
IP class	IP67
Vibration resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6
Hysteresis	2...98% full scale, programmable at factory (maximum tolerance ±1.0% of adjustment range nominal pressure)
Repeatability	±0.1 % of adjustment range (full scale)
Accuracy	±0.5 % of adjustment range (Full scale) at room temperature
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Mechanical life expectancy	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure
Long term stability	±0.1 % of adjustment range (full scale) per year
Shock resistance	500m / s ² ; 11 ms half sine wave; DIN EN 60068-2-27



DIN EN 175301-803-A		M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-41	
Pin	Assignment	Pin	Assignment	Pin	Assignment
1	Usv	1	Usv	1	Usv
2	Grnd	2	nc	2	nc
3	M ₁₂	3	Grnd	3	Grnd
PE	PE	4	M ₁₂	4	M ₁₂
IP67		IP67		IP67, IP69K	
x = 60 mm antilager wasser x = 77 mm antilager wasser		x = 54 mm		x = 56 mm	
Order number: 013		Order number: 002		Order number: 004	

AMP Superseal 1.5"		Deutsch DT98-3P	
Pin	Assignment	Pin	Assignment
1	M ₁₂	A	Usv
2	Grnd	B	Grnd
3	Usv	C	M ₁₂
IP67		IP67, IP69K	
x = 60 mm		x = 60 mm	
Order number: 007		Order number: 010	

Thread code: 41	Thread code: 09



DIN EN 175301-803-A		M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-41	
Pin	Assignment	Pin	Assignment	Pin	Assignment
1	Usv	1	Usv	1	Usv
2	Grnd	2	nc	2	nc
3	M ₁₂	3	Grnd	3	Grnd
PE	PE	4	M ₁₂	4	M ₁₂
IP67		IP67		IP67, IP69K	
x = 60 mm antilager wasser x = 77 mm antilager wasser		x = 54 mm		x = 56 mm	
Order number: 013		Order number: 002		Order number: 004	

AMP Superseal 1.5"		Deutsch DT98-3P	
Pin	Assignment	Pin	Assignment
1	M ₁₂	A	Usv
2	Grnd	B	Grnd
3	Usv	C	M ₁₂
IP67		IP67, IP69K	
x = 60 mm		x = 60 mm	
Order number: 007		Order number: 010	

Thread code: 41	Thread code: 09