



## Pressure Switch



TYPE	SQ245 Series			SQ246 Series			SQ24U Series		
Hex Length	24mm			24mm			24mm		
Body Material	Zinc-plating steel			SUS316			Brass		
Wiring	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal
Contact rating (Max.)	3A/ 42Vdc/ 220Vac			3A/ 42Vdc/ 220Vac			3A/ 42Vdc/ 220Vac		
Response Frequency	2Hz			2Hz			2Hz		
Max. Voltage Peak	1.5KV			1.5KV			1.5KV		
Operation Temperature	-10°C ~100°C			-10°C ~100°C			-10°C ~100°C		
Membrane Materials	NBR(Standard)	-30~100°C		NBR(Standard)	-30~100°C		NBR(Standard)	-30~100°C	
	VITON	-5 ~120°C		VITON	-5 ~120°C		VITON	-5 ~120°C	
	EPDM	-30~120°C		EPDM	-30~120°C		EPDM	-30~120°C	
	SILICON	-40~120°C		SILICON	-40~120°C		SILICON	-40~120°C	
Pressure Range	0.2~100bar			0.2~100bar			0.2~100bar		
Pressure Acting Variation	±5% full set point range @20°C			±5% full set point range @20°C			±5% full set point range @20°C		
Piping Selection	M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"			M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"			M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"		
Contact Model	NO, NC			NO, NC			NO, NC		
Body Protection	IP00			IP00			IP00		
Protection	IP67 (with cover)			IP67 (with cover)			IP67 (with cover)		
Mechanical Life	10 <sup>6</sup> cycles (in 50 bar)			10 <sup>6</sup> cycles (in 50 bar)			10 <sup>6</sup> cycles (in 50 bar)		
Screw Torque	<0.35Nm			<0.35Nm			<0.35Nm		

**Feature**

- Robust in any severe application
- Housing material customization (Steel, SUS316, Brass)
- Contact material customization (Gold Contact or Silver Contact)
- Screw type and push on type terminal contact option
- High quality and cost effective
- Pressure range adjustable & easily

**Application**

- Pressure detection for automobile braking system
- Pressure control for any piping system
- Hydraulic detection for fire fighting system
- Hydraulic press
- Lubrication system
- Sprinkler system
- Air compressor
- Medical equipment
- Tire manufacturing

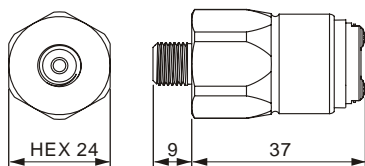


TYPE	SQ275 Series		SQ276 Series		SQ27U Series	
Hex Length	27mm		27mm		27mm	
Body Material	Zinc-plating steel		SUS316		Brass	
Wiring	Push-on	Spade Terminal	Push-on	Spade Terminal	Push-on	Spade Terminal
Contact rating (Max.)	3A/ 42Vdc/ 220Vac		3A/ 42Vdc/ 220Vac		3A/ 42Vdc/ 220Vac	
Response Frequency	2Hz		2Hz		2Hz	
Max. Voltage Peak	1.5KV		1.5KV		1.5KV	
Operation Temperature	-10°C ~100°C		-10°C ~100°C		-10°C ~100°C	
Membrane Materials	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C SILICON -40~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C SILICON -40~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C SILICON -40~120°C	
Pressure Range	0.2~100bar		0.2~100bar		0.2~100bar	
Pressure Acting Variation	±5% full set point range @20°C		±5% full set point range @20°C		±5% full set point range @20°C	
Piping Selection	M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"		M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"		M10*1 (TAP 1°) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"	
Contact Model	SPDT		SPDT		SPDT	
Body Protection	IP00		IP00		IP00	
Protection	IP67 (with cover)		IP67 (with cover)			
Mechanical Life	10 <sup>6</sup> cycles (in 50 bar)		10 <sup>6</sup> cycles (in 50 bar)		10 <sup>6</sup> cycles (in 50 bar)	
Screw Torque	<0.35Nm		<0.35Nm		<0.35Nm	

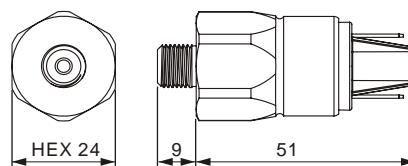
## Product Dimension

## SQ245/ 246/ 24U Series

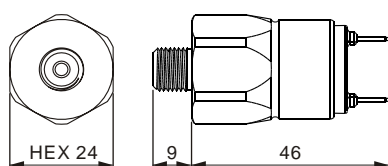
## Screw:



## Push-on:

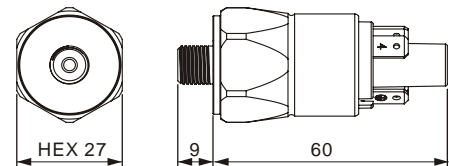


## Push-on:

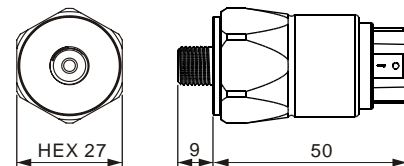


## SQ275/ 276/ 27U Series

## Push-on:



## Push-on:



(Unit: mm)

(Unit: mm)

## ORDER INFORMATION

### SQ Series Field Adjustable Pressure

Pressure range		Connection	
Minute pressure 0.2~1bar	±0.1	M10X1 (TAP 1°)	SQ□□□-RS1 □-M1-□-□
		M10X1	SQ□□□-RS1 □-M0-□-□
		M12X1.5	SQ□□□-RS1 □-M2-□-□
		1/8"PT	SQ□□□-RS1 □-1Q-□-□
		1/4"PT	SQ□□□-RS1 □-2Q-□-□
		1/8"G	SQ□□□-RS1 □-1V-□-□
		1/4"G	SQ□□□-RS1 □-2V-□-□
		1/8"NPT	SQ□□□-RS1 □-1U-□-□
1/4"NPT	SQ□□□-RS1 □-2U-□-□		
Low pressure 1~19bar	±5%	M10X1 (TAP 1°)	SQ□□□-RL1 □-M1-□-□
		M10X1	SQ□□□-RL1 □-M0-□-□
		M12X1.5	SQ□□□-RL1 □-M2-□-□
		1/8"PT	SQ□□□-RL1 □-1Q-□-□
		1/4"PT	SQ□□□-RL1 □-2Q-□-□
		1/8"G	SQ□□□-RL1 □-1V-□-□
		1/4"G	SQ□□□-RL1 □-2V-□-□
		1/8"NPT	SQ□□□-RL1 □-1U-□-□
1/4"NPT	SQ□□□-RL1 □-2U-□-□		
Middle pressure 20~50bar	±5%	M10X1 (TAP 1°)	SQ□□□-RM1 □-M1-□-□
		M10X1	SQ□□□-RM1 □-M0-□-□
		M12X1.5	SQ□□□-RM1 □-M2-□-□
		1/8"PT	SQ□□□-RM1 □-1Q-□-□
		1/4"PT	SQ□□□-RM1 □-2Q-□-□
		1/8"G	SQ□□□-RM1 □-1V-□-□
		1/4"G	SQ□□□-RM1 □-2V-□-□
		1/8"NPT	SQ□□□-RM1 □-1U-□-□
1/4"NPT	SQ□□□-RM1 □-2U-□-□		
High pressure 51~100bar	±5%	M10X1 (TAP 1°)	SQ□□□-RH1 □-M1-□-□
		M10X1	SQ□□□-RH1 □-M0-□-□
		M12X1.5	SQ□□□-RH1 □-M2-□-□
		1/8"PT	SQ□□□-RH1 □-1Q-□-□
		1/4"PT	SQ□□□-RH1 □-2Q-□-□
		1/8"G	SQ□□□-RH1 □-1V-□-□
		1/4"G	SQ□□□-RH1 □-2V-□-□
		1/8"NPT	SQ□□□-RH1 □-1U-□-□
1/4"NPT	SQ□□□-RH1 □-2U-□-□		

<b>Hex Length</b>	24: HEX 24 27: HEX 27
<b>Body Material</b>	5: Zinc-plating steel 6: SUS316 U: Brass
<b>Pressure Range</b>	RS1: Minute pressure    RL1: Low pressure RM1: Middle pressure    RH1: High pressure
<b>Contact Form</b>	A: NO B: NC (SQ27, only option for A or B) C: SPDT (SQ27, only for C)
<b>Piping Selection</b>	M1: M10X1 (TAP 1°)    M0: M10X1 M2: M12X1.5 1Q: 1/8"PT    2Q: 1/4"PT 1V: 1/8"G    2V: 1/4"G 1U: 1/8"NPT    2U: 1/4"NPT
<b>Diaphragm Material</b>	N: NBR    D: EPDM S: SILICON    V: VITON
<b>Wiring</b>	W: Screw    P: Push-on    E: Spade Terminal

### SQ Series Fixed Pressure

Connection	
M10X1 (TAP 1°)	SQ□□ □-□□□ □-M1-□-□
M10X1	SQ□□ □-□□□ □-M0-□-□
M12X1.5	SQ□□ □-□□□ □-M2-□-□
1/8"PT	SQ□□ □-□□□ □-1Q-□-□
1/4"PT	SQ□□ □-□□□ □-2Q-□-□
1/8"G	SQ□□ □-□□□ □-1V-□-□
1/4"G	SQ□□ □-□□□ □-2V-□-□
1/8"NPT	SQ□□ □-□□□ □-1U-□-□
1/4"NPT	SQ□□ □-□□□ □-2U-□-□

<b>Hex Length</b>	24: HEX 24 27: HEX 27
<b>Body Material</b>	5: Zinc-plating steel 6: SUS316 U: Brass
<b>Pressure</b>	□□□= 0 X 2 = 0.2Bar □□□= 1 X 1 = 1.1Bar □□□= 0 0 5 = 5Bar □□□= 0 5 0 = 50Bar (0.2~0.9Bar)Tolerance 0.1Bar (1~19Bar)Tolerance 0.1Bar (20~50Bar) Tolerance 5% (51~100Bar) Tolerance 5%
<b>Contact Form</b>	A: NO B: NC (SQ27, only option for A or B) C: SPDT (SQ27, only for C)
<b>Piping Selection</b>	M1: M10X1 (TAP 1°)    M0: M10X1 M2: M12X1.5 1Q: 1/8"PT    2Q: 1/4"PT 1V: 1/8"G    2V: 1/4"G 1U: 1/8"NPT    2U: 1/4"NPT
<b>Diaphragm Material</b>	N: NBR    D: EPDM S: SILICON    V: VITON
<b>Wiring</b>	W: Screw    P: Push-on    E: Spade Terminal

**Option:**  
Body Protect Cover : SQA-1130  
Material :NBR  
Protection Grade: IP67

※ Only for SQ24 use

