



TYPE	SQ245 Series		SQ246 Series		SQ24U Series	
Hex Length	24mm		24mm		24mm	
Body Material	Zinc-plating steel		SUS316		Brass	
Wiring	Screw	Push-on	Screw	Push-on	Screw	Push-on
Operating Voltage	42Vdc or 220Vac		42Vdc or 220Vac		42Vdc or 220Vac	
Switching Current Load	Max 3A		Max 3A		Max 3A	
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°) PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"		M10*1 (TAP 1°) PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"		M10*1 (TAP 1°) 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		10 <sup>6</sup> cycles		10 <sup>6</sup> cycles	

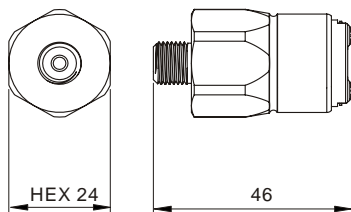
Featurer
<ul style="list-style-type: none"> <li>■ Robust in any severe application</li> <li>■ Housing material customization (Steel, SUS316, Brass)</li> <li>■ Contact material customization (Gold Contact or Silver Contact)</li> <li>■ Screw type and push on type terminal contact option</li> <li>■ High quality and cost effective</li> <li>■ Pressure range adjustable &amp; easily</li> </ul>

Application
<ul style="list-style-type: none"> <li>■ Pressure detection for automobile braking system</li> <li>■ Pressure control for any piping system</li> <li>■ Hydraulic detection for fire fighting system</li> <li>■ Hydraulic press</li> <li>■ Lubrication system</li> <li>■ Sprinkler system</li> <li>■ Air compressor</li> <li>■ Medical equipment</li> <li>■ Tire manufacturing</li> </ul>

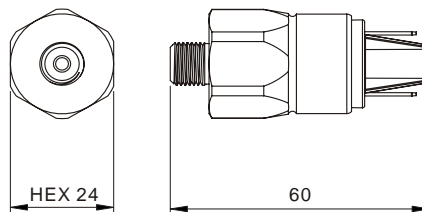


TYPE	SQ275 Series	SQ276 Series	SQ27U Series
<b>Hex Length</b>	27mm	27mm	27mm
<b>Body Material</b>	Zinc-plating steel	SUS316	Brass
<b>Wiring</b>	Push-on	Push-on	Push-on
<b>Operating Voltage</b>	42Vdc or 220Vac	42Vdc or 220Vac	42Vdc or 220Vac
<b>Switching Current Load</b>	Max 3A	Max 3A	Max 3A
<b>Response Frequency</b>	2Hz	2Hz	2Hz
<b>Max. Voltage Peak</b>	1.5KV	1.5KV	1.5KV
<b>Operation Temperature</b>	-10°C ~100°C	-10°C ~100°C	-10°C ~100°C
<b>Membrane Materials</b>	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
<b>Pressure Range</b>	0.2~100bar	0.2~100bar	0.2~100bar
<b>Pressure Acting Variation</b>	±5% full set point range @20°C	±5% full set point range @20°C	±5% full set point range @20°C
<b>Piping Selection</b>	M10*1 (TAP 1°) PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"	M10*1 (TAP 1°) PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"	M10*1 (TAP 1°) PT1/8", PT1/4" G1/8", G1/4" NPT 1/8", NPT 1/4"
<b>Contact Model</b>	SPDT	SPDT	SPDT
<b>Body Protection</b>	IP00	IP00	IP00
<b>Protection</b>	IP67 (with cover)	IP67 (with cover)	IP67 (with cover)
<b>Mechanical Life</b>	10 <sup>6</sup> cycles	10 <sup>6</sup> cycles	10 <sup>6</sup> cycles

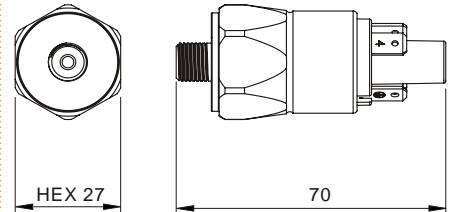
**Product Dimension**

 SQ245/ 246/ 24U Series  
**Screw:**


(Umit: mm)

 SQ245/ 246/ 24U Series  
**Push-on:**


(Umit: mm)

 SQ275/ 276/ 27U Series  
**Push-on:**


(Umit: mm)

# ORDER- INFORMATION

## SQ Series Field Adjustable Pressure

Pressure range		Connection	
0.2~1bar	± 0.1	M10X1 (TAP 1°)	SQ□□□-RS1 □-M1-□-□
		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-□-□
1~19bar	± 5%	M10X1 (TAP 1°)	SQ□□□-RL1 □-M1-□-□
		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-□-□
20~50bar	± 5%	M10X1 (TAP 1°)	SQ□□□-RM1 □-M1-□-□
		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-□-□

<b>Hex Length</b>	24: HEX 24 27: HEX 27
<b>Body Material</b>	5: Zinc-plating steel 6: SUS316 U: Brass
<b>Contact Form</b>	A: NO                      B: NC C: SPDT (only for SQ27)
<b>Diaphragm Material</b>	N: NBR                      D: EPDM S: SILICON                  V: VITON
<b>Wiring</b>	W: Screw                  P: Push-on

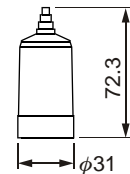
## SQ Series Fixed Pressure

Connection	
M10X1 (TAP 1°)	SQ□□ □-□□□□ □-M1-□-□
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 &amp; Pressure range</b>	□□□ = 0 X 2 = 0.2 Bar □□□ = 1 X 1 = 1.1 Bar □□□ = 0 0 5 = 5Bar □□□ = 0 5 0 = 50Bar (0.2~1Bar) Tolerance 0.1 Bar (1~20Bar) Tolerance 0.1 Bar (20~100Bar ) Tolerance 5%
<b>Contact Form</b>	A: NO                      B: NC C: SPDT (only for SQ27)
<b>Diaphragm Material</b>	N: NBR                      D: EPDM S: SILICON                  V: VITON
<b>Wiring</b>	W: Screw                  P: Push-on

### Option:

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



※ Only for SQ24 use