



Pressure Switch

SQ24 SPST TYPE



CE (need to add anti-dust cover SQA-1130).



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TYPE	SQ245 Series			SQ246 Series			SQ24U Series		
Hex Length	24mm			24mm			24mm		
Body Material	Zinc-Plated Steel			SUS316			Brass		
Wiring	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal
Contact rating (Max.)	4A/ 42Vdc, 4A/ 220Vac (UL508)			4A/ 42Vdc, 4A/ 220Vac (UL508)			4A/ 42Vdc, 4A/ 220Vac (UL508)		
Response Frequency	2Hz			2Hz			2Hz		
Max. Voltage Peak	1.5KV (IEC60947-2)			1.5KV (IEC60947-2)			1.5KV (IEC60947-2)		
Electric Insulation	100MΩ(IEC60092-54 section3)			100MΩ(IEC60092-54 section3)			100MΩ(IEC60092-54 section3)		
Operation Temperature	-10°C ~100°C (IEC 60068-2-2)			-10°C ~100°C (IEC 60068-2-2)			-10°C ~100°C (IEC 60068-2-2)		
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	
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 (IEC 60529)			IP00 (IEC 60529)			IP00 (IEC 60529)		
Protection	IP67 (IEC 60529)			IP67 (IEC 60529)			IP67 (IEC 60529)		
Mechanical Life	1.5X10 ⁶ cycles (in 50 bar)			1.5X10 ⁶ cycles (in 50 bar)			1.5X10 ⁶ cycles (in 50 bar)		
Screw Torque	<0.35Nm			<0.35Nm			<0.35Nm		
Shock Resistance	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis			ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis			ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis		
Vibration Resistance	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each			ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each			ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each		

Feature

- Robust In Any Severe Application
- Customized Body Housing (steel, Sus316, Brass)
- Selectable Contact (gold Contact Or Silver Contact)
- Screw / Push-on Terminal Contact Selectable
- High Quality And Cost Effective
- Adjustable Pressure Range Setting

Application

- Pressure Detection For Automobile Braking System
- Pressure Control For Piping System
- Hydraulic Detection For Fire Fighting System
- Hydraulic Industry
- Lubrication System
- Sprinkler System
- Air Compressor
- Medical Equipment
- Tire Manufacturing

ORDER INFORMATION

Product Dimension

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

***A** 9mm: M10*1 taper, M10, G1/4", PT1/4", NPT 1/8" 12mm: M12*1.5, G1/4", PT1/4", NPT 1/4" (Unit: mm)

SQ24 Series Field Adjustable Pressure

Pressure range		Connection	
0.2~1bar	±0.1	M10X1 (TAP 1°)	SQ24 □-RS1 □-M1-□-□
		M10X1	SQ24 □-RS1 □-M0-□-□
		M12X1.5	SQ24 □-RS1 □-M2-□-□
		1/8"PT	SQ24 □-RS1 □-1Q-□-□
		1/4"PT	SQ24 □-RS1 □-2Q-□-□
		1/8"G	SQ24 □-RS1 □-1V-□-□
		1/4"G	SQ24 □-RS1 □-2V-□-□
		1/8"NPT	SQ24 □-RS1 □-1U-□-□
1/4"NPT	SQ24 □-RS1 □-2U-□-□		
1~19bar	±5%	M10X1 (TAP 1°)	SQ24 □-RL1 □-M1-□-□
		M10X1	SQ24 □-RL1 □-M0-□-□
		M12X1.5	SQ24 □-RL1 □-M2-□-□
		1/8"PT	SQ24 □-RL1 □-1Q-□-□
		1/4"PT	SQ24 □-RL1 □-2Q-□-□
		1/8"G	SQ24 □-RL1 □-1V-□-□
		1/4"G	SQ24 □-RL1 □-2V-□-□
		1/8"NPT	SQ24 □-RL1 □-1U-□-□
1/4"NPT	SQ24 □-RL1 □-2U-□-□		
20~50bar	±5%	M10X1 (TAP 1°)	SQ24 □-RM1 □-M1-□-□
		M10X1	SQ24 □-RM1 □-M0-□-□
		M12X1.5	SQ24 □-RM1 □-M2-□-□
		1/8"PT	SQ24 □-RM1 □-1Q-□-□
		1/4"PT	SQ24 □-RM1 □-2Q-□-□
		1/8"G	SQ24 □-RM1 □-1V-□-□
		1/4"G	SQ24 □-RM1 □-2V-□-□
		1/8"NPT	SQ24 □-RM1 □-1U-□-□
1/4"NPT	SQ24 □-RM1 □-2U-□-□		
51~100bar	±5%	M10X1 (TAP 1°)	SQ24 □-RH1 □-M1-□-□
		M10X1	SQ24 □-RH1 □-M0-□-□
		M12X1.5	SQ24 □-RH1 □-M2-□-□
		1/8"PT	SQ24 □-RH1 □-1Q-□-□
		1/4"PT	SQ24 □-RH1 □-2Q-□-□
		1/8"G	SQ24 □-RH1 □-1V-□-□
		1/4"G	SQ24 □-RH1 □-2V-□-□
		1/8"NPT	SQ24 □-RH1 □-1U-□-□
1/4"NPT	SQ24 □-RH1 □-2U-□-□		
Body Material		5: Zinc-Plated Steel 6: SUS316 U: Brass	
Contact Form		A: NO B: NC	
Diaphragm Material		N: NBR D: EPDM V: VITON	
Wiring		W: Screw P: Push-on E: Spade Terminal	

SQ24 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-□-□
Hex Length	5: Zinc-Plated steel 6: SUS316 U: Brass
Pressure	□□□□ = 0 X 2 = 0.2Bar □□□□ = 1 X 1 = 1.1Bar □□□□ = 0 05 = 5Bar □□□□ = 0 50 = 50Bar (0.3~0.9Bar) Tolerance 0.1Bar (1~100Bar) Tolerance 5%
Contact Form	A: NO B: NC
Diaphragm Material	N: NBR D: EPDM V: VITON
Wiring	W: Screw P: Push-on E: Spade Terminal

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

To comply with CE, SQ24 series need to add anti-dust cover. (SQA-1130)

SQ27 SPDT TYPE



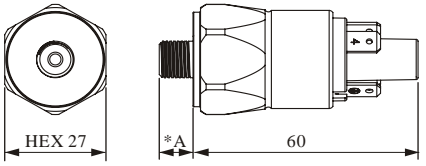
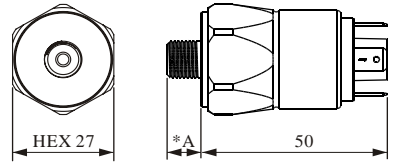
TYPE	SQ275 Series		SQ276 Series		SQ27U Series	
Hex Length	27mm		27mm		27mm	
Body Material	Zinc-Plated Steel		SUS316		Brass	
Wiring	Push-on	Spade Terminal	Push-on	Spade Terminal	Push-on	Spade Terminal
Contact rating (Max.)	4A/ 42Vdc, 4A/ 220Vac (UL508)		4A/ 42Vdc, 4A/ 220Vac (UL508)		4A/ 42Vdc, 4A/ 220Vac (UL508)	
Response Frequency	2Hz		2Hz		2Hz	
Max. Voltage Peak	1.5KV (IEC60947-2)		1.5KV (IEC60947-2)		1.5KV (IEC60947-2)	
Electric Insulation	100MΩ(IEC60092-54 section3)		100MΩ(IEC60092-54 section3)		100MΩ(IEC60092-54 section3)	
Operation Temperature	-10°C ~100°C (IEC 60068-2-2)		-10°C ~100°C (IEC 60068-2-2)		-10°C ~100°C (IEC 60068-2-2)	
Membrane Materials	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C	
Pressure Range	0.3~100bar		0.3~100bar		0.3~100bar	
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 (IEC 60529)		IP00 (IEC 60529)		IP00 (IEC 60529)	
Protection	IP67 (IEC 60529)		IP67 (IEC 60529)		IP67 (IEC 60529)	
Mechanical Life	1.5X10 ⁶ cycles (in 50 bar)		1.5X10 ⁶ cycles (in 50 bar)		1.5X10 ⁶ cycles (in 50 bar)	
Screw Torque	<0.35Nm		<0.35Nm		<0.35Nm	
Shock Resistance	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis		ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis		ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis	
Vibration Resistance	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each		ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each		ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each	

Feature
<ul style="list-style-type: none"> ■ Robust In Any Severe Application ■ Customized Body Housing (steel, Sus316, Brass) ■ Selectable Contact (gold Contact Or Silver Contact) ■ Screw / Push-on Terminal Contact Selectable ■ High Quality And Cost Effective ■ Adjustable Pressure Range Setting

Application
<ul style="list-style-type: none"> ■ Pressure Detection For Automobile Braking System ■ Pressure Control For Piping System ■ Hydraulic Detection For Fire Fighting System ■ Hydraulic Industry ■ Lubrication System ■ Sprinkler System ■ Air Compressor ■ Medical Equipment ■ Tire Manufacturing

ORDER INFORMATION

Product Dimension

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

***A 9mm:** M10*1 taper, M10, G1/4", PT1/4", NPT 1/8" **12mm:** M12*1.5, G1/4", PT1/4", NPT 1/4" (Umit: mm)

SQ27 Series Field Adjustable Pressure

Pressure range		Connection	
0.3~0.9bar	± 0.1	M10X1 (TAP 1°)	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -M1 - <input type="checkbox"/> - <input type="checkbox"/>
		M10X1	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -M0 - <input type="checkbox"/> - <input type="checkbox"/>
		M12X1.5	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -M2 - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"PT	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -1Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"PT	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -2Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"G	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -1V - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"G	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -2V - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"NPT	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -1U - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"NPT	SQ27 <input type="checkbox"/> -RS1 <input type="checkbox"/> -2U - <input type="checkbox"/> - <input type="checkbox"/>
1~19bar	± 5%	M10X1 (TAP 1°)	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -M1 - <input type="checkbox"/> - <input type="checkbox"/>
		M10X1	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -M0 - <input type="checkbox"/> - <input type="checkbox"/>
		M12X1.5	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -M2 - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"PT	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -1Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"PT	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -2Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"G	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -1V - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"G	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -2V - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"NPT	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -1U - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"NPT	SQ27 <input type="checkbox"/> -RL1 <input type="checkbox"/> -2U - <input type="checkbox"/> - <input type="checkbox"/>
20~49bar	± 5%	M10X1 (TAP 1°)	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -M1 - <input type="checkbox"/> - <input type="checkbox"/>
		M10X1	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -M0 - <input type="checkbox"/> - <input type="checkbox"/>
		M12X1.5	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -M2 - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"PT	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -1Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"PT	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -2Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"G	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -1V - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"G	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -2V - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"NPT	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -1U - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"NPT	SQ27 <input type="checkbox"/> -RM1 <input type="checkbox"/> -2U - <input type="checkbox"/> - <input type="checkbox"/>
50~100bar	± 5%	M10X1 (TAP 1°)	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -M1 - <input type="checkbox"/> - <input type="checkbox"/>
		M10X1	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -M0 - <input type="checkbox"/> - <input type="checkbox"/>
		M12X1.5	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -M2 - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"PT	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -1Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"PT	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -2Q - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"G	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -1V - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"G	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -2V - <input type="checkbox"/> - <input type="checkbox"/>
		1/8"NPT	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -1U - <input type="checkbox"/> - <input type="checkbox"/>
		1/4"NPT	SQ27 <input type="checkbox"/> -RH1 <input type="checkbox"/> -2U - <input type="checkbox"/> - <input type="checkbox"/>

SQ27 Series Fixed Pressure

Connection	
M10X1 (TAP 1°)	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -M1 - <input type="checkbox"/> - <input type="checkbox"/>
M10X1	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -M0 - <input type="checkbox"/> - <input type="checkbox"/>
M12X1.5	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -M2 - <input type="checkbox"/> - <input type="checkbox"/>
1/8"PT	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -1Q - <input type="checkbox"/> - <input type="checkbox"/>
1/4"PT	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -2Q - <input type="checkbox"/> - <input type="checkbox"/>
1/8"G	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -1V - <input type="checkbox"/> - <input type="checkbox"/>
1/4"G	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -2V - <input type="checkbox"/> - <input type="checkbox"/>
1/8"NPT	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -1U - <input type="checkbox"/> - <input type="checkbox"/>
1/4"NPT	SQ27 <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -2U - <input type="checkbox"/> - <input type="checkbox"/>

Hex Length	5: Zinc-Plated Steel 6: SUS316 U: Brass
Pressure	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> = 0 X 2 = 0.2Bar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> = 1 X 1 = 1.1Bar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> = 0 0 5 = 5Bar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> = 0 5 0 = 50Bar (0.3~0.9Bar) Tolerance 0.1Bar (1~100Bar) Tolerance 5%
Contact Form	C: SPDT
Diaphragm Material	N: NBR D: EPDM V: VITON
Wiring	P: Push-on E: Spade Terminal

Body Material	5: Zinc-Plated Steel 6: SUS316 U: Brass
Contact Form	C: SPDT
Diaphragm Material	N: NBR D: EPDM V: VITON
Wiring	P: Push-on E: Spade Terminal

SQ27 DIN TYPE



TYPE	SQ275 Series		SQ276 Series		SQ27U Series	
Hex Length	27mm		27mm		27mm	
Body Material	Zinc-Plated Steel		SUS316		Brass	
Wiring	Push-on	Spade Terminal	Push-on	Spade Terminal	Push-on	Spade Terminal
Contact rating (Max.)	4A/ 42Vdc, 4A/ 220Vac (UL508)		4A/ 42Vdc, 4A/ 220Vac (UL508)		4A/ 42Vdc, 4A/ 220Vac (UL508)	
Response Frequency	2Hz		2Hz		2Hz	
Max. Voltage Peak	1.5KV (IEC60947-2)		1.5KV (IEC60947-2)		1.5KV (IEC60947-2)	
Electric Insulation	100MΩ(IEC60092-54 section3)		100MΩ(IEC60092-54 section3)		100MΩ(IEC60092-54 section3)	
Operation Temperature	-10°C ~100°C (IEC 60068-2-2)		-10°C ~100°C (IEC 60068-2-2)		-10°C ~100°C (IEC 60068-2-2)	
Membrane Materials	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C		NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C	
Pressure Range	0.3~100bar		0.3~100bar		0.3~100bar	
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 (IEC 60529)		IP00 (IEC 60529)		IP00 (IEC 60529)	
Protection	IP67 (IEC 60529)		IP67 (IEC 60529)		IP67 (IEC 60529)	
Mechanical Life	1.5X10 ⁶ cycles (in 50 bar)		1.5X10 ⁶ cycles (in 50 bar)		1.5X10 ⁶ cycles (in 50 bar)	
Screw Torque	<0.35Nm		<0.35Nm		<0.35Nm	
Shock Resistance	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis		ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis		ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis	
Vibration Resistance	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each		ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each		ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each	

Feature
<ul style="list-style-type: none"> ■ Robust In Any Severe Application ■ Customized Body Housing (steel, Sus316, Brass) ■ Selectable Contact (gold Contact Or Silver Contact) ■ Screw / Push-on Terminal Contact Selectable ■ High Quality And Cost Effective ■ Adjustable Pressure Range Setting

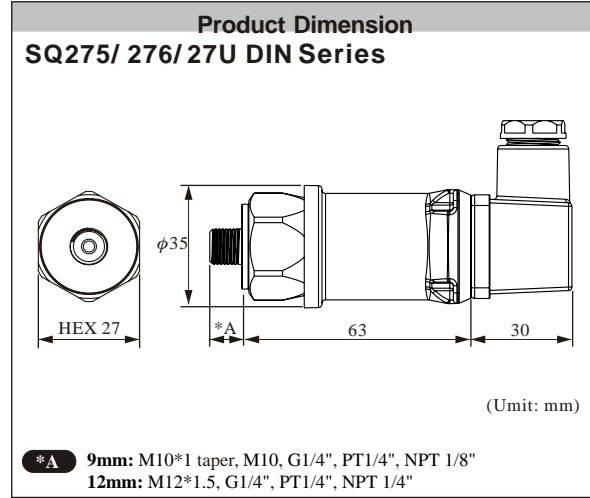
Application
<ul style="list-style-type: none"> ■ Pressure Detection For Automobile Braking System ■ Pressure Control For Piping System ■ Hydraulic Detection For Fire Fighting System ■ Hydraulic Industry ■ Lubrication System ■ Sprinkler System ■ Air Compressor ■ Medical Equipment ■ Tire Manufacturing

ORDER INFORMATION

SQ27 DIN Series Field Adjustable Pressure

Pressure range		Connection	
0.3~0.9bar	± 0.1	M10X1 (TAP 1°)	SQ27 □-RS1 □-M1-□-□
		M10X1	SQ27 □-RS1 □-M0-□-□
		M12X1.5	SQ27 □-RS1 □-M2-□-□
		1/8"PT	SQ27 □-RS1 □-1Q-□-□
		1/4"PT	SQ27 □-RS1 □-2Q-□-□
		1/8"G	SQ27 □-RS1 □-1V-□-□
		1/4"G	SQ27 □-RS1 □-2V-□-□
		1/8"NPT	SQ27 □-RS1 □-1U-□-□
1/4"NPT	SQ27 □-RS1 □-2U-□-□		
1~19bar	± 5%	M10X1 (TAP 1°)	SQ27 □-RL1 □-M1-□-□
		M10X1	SQ27 □-RL1 □-M0-□-□
		M12X1.5	SQ27 □-RL1 □-M2-□-□
		1/8"PT	SQ27 □-RL1 □-1Q-□-□
		1/4"PT	SQ27 □-RL1 □-2Q-□-□
		1/8"G	SQ27 □-RL1 □-1V-□-□
		1/4"G	SQ27 □-RL1 □-2V-□-□
		1/8"NPT	SQ27 □-RL1 □-1U-□-□
1/4"NPT	SQ27 □-RL1 □-2U-□-□		
20~49bar	± 5%	M10X1 (TAP 1°)	SQ27 □-RM1 □-M1-□-□
		M10X1	SQ27 □-RM1 □-M0-□-□
		M12X1.5	SQ27 □-RM1 □-M2-□-□
		1/8"PT	SQ27 □-RM1 □-1Q-□-□
		1/4"PT	SQ27 □-RM1 □-2Q-□-□
		1/8"G	SQ27 □-RM1 □-1V-□-□
		1/4"G	SQ27 □-RM1 □-2V-□-□
		1/8"NPT	SQ27 □-RM1 □-1U-□-□
1/4"NPT	SQ27 □-RM1 □-2U-□-□		
50~100bar	± 5%	M10X1 (TAP 1°)	SQ27 □-RH1 □-M1-□-□
		M10X1	SQ27 □-RH1 □-M0-□-□
		M12X1.5	SQ27 □-RH1 □-M2-□-□
		1/8"PT	SQ27 □-RH1 □-1Q-□-□
		1/4"PT	SQ27 □-RH1 □-2Q-□-□
		1/8"G	SQ27 □-RH1 □-1V-□-□
		1/4"G	SQ27 □-RH1 □-2V-□-□
		1/8"NPT	SQ27 □-RH1 □-1U-□-□
1/4"NPT	SQ27 □-RH1 □-2U-□-□		

Body Material	5: Zinc-Plated Steel 6: SUS316 U: Brass
Contact Form	C: SPDT
Diaphragm Material	N: NBR D: EPDM V: VITON
Wiring	C: DIN43650A



SQ27 DIN Series Fixed Pressure

Connection	
M10X1 (TAP 1°)	SQ27 □-□□□□-M1-□-□
M10X1	SQ27 □-□□□□-M0-□-□
M12X1.5	SQ27 □-□□□□-M2-□-□
1/8"PT	SQ27 □-□□□□-1Q-□-□
1/4"PT	SQ27 □-□□□□-2Q-□-□
1/8"G	SQ27 □-□□□□-1V-□-□
1/4"G	SQ27 □-□□□□-2V-□-□
1/8"NPT	SQ27 □-□□□□-1U-□-□
1/4"NPT	SQ27 □-□□□□-2U-□-□

Hex Length	5: Zinc-Plated Steel 6: SUS316 U: Brass
Pressure	□□□ = 0 X 2 = 0.2Bar □□□ = 1 X 1 = 1.1Bar □□□ = 0 0 5 = 5Bar □□□ = 0 5 0 = 50Bar (0.3~0.9Bar) Tolerance 0.1Bar (1~100Bar) Tolerance 5%
Contact Form	C: SPDT
Diaphragm Material	N: NBR D: EPDM V: VITON
Wiring	C: DIN43650A

SQ24 WITH EXTENSION SOCKET

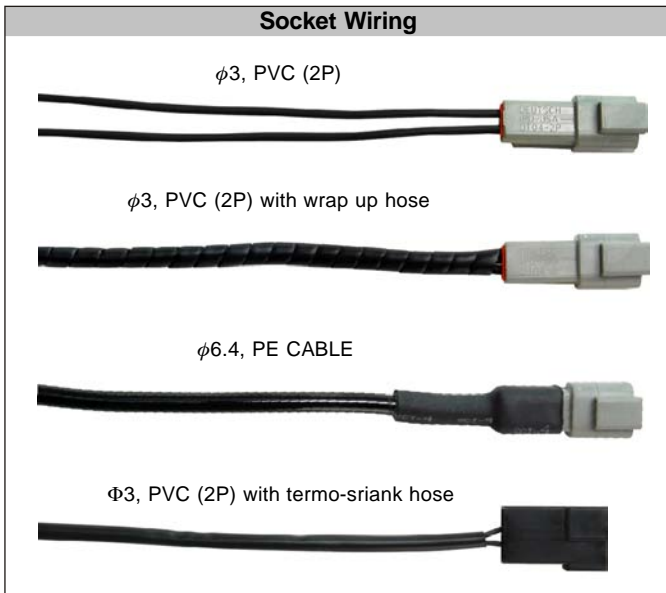
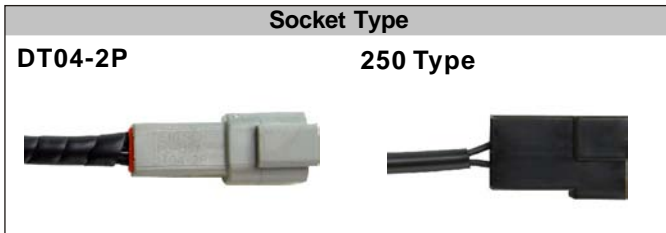
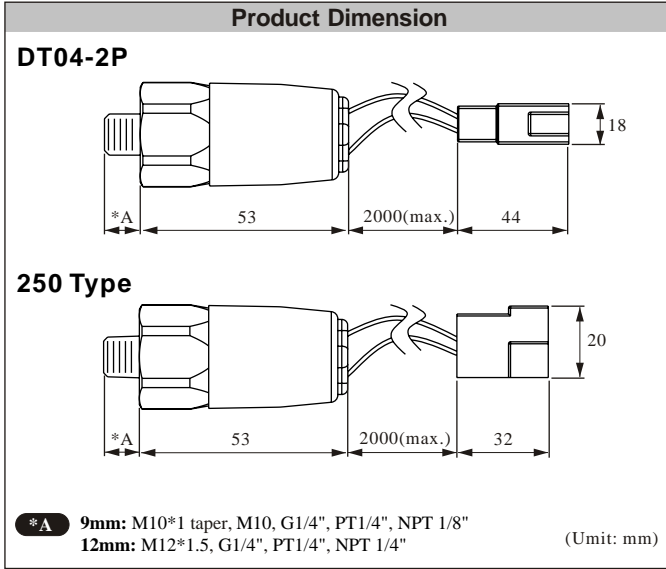


TYPE	SQ245 Series	SQ246 Series	SQ24U Series
Hex Length	24mm	24mm	24mm
Body Material	Zinc-Plated Steel	SUS316	Brass
Wiring	DT04-2P, 250 Type	DT04-2P, 250 Type	DT04-2P, 250 Type
Contact rating (Max.)	2A/ 42Vdc, 4A/ 220Vac (UL508)	2A/ 42Vdc, 4A/ 220Vac (UL508)	2A/ 42Vdc, 4A/ 220Vac (UL508)
Response Frequency	2Hz	2Hz	2Hz
Max. Voltage Peak	1.5KV (IEC60947-2)	1.5KV (IEC60947-2)	1.5KV (IEC60947-2)
Electric Insulation	100MΩ(IEC60092-54 section3)	100MΩ(IEC60092-54 section3)	100MΩ(IEC60092-54 section3)
Operation Temperature	-10°C ~100°C (IEC 60068-2-2)	-10°C ~100°C (IEC 60068-2-2)	-10°C ~100°C (IEC 60068-2-2)
Membrane Materials	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°C	NBR(Standard) -30~100°C VITON -5 ~120°C EPDM -30~120°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
Protection	IP67 (IEC 60529)	IP67 (IEC 60529)	IP67 (IEC 60529)
Mechanical Life	1.5X10 ⁶ cycles (in 50 bar)	1.5X10 ⁶ cycles (in 50 bar)	1.5X10 ⁶ cycles (in 50 bar)
Shock Resistance	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis	ISO / IEC 17025, Half Sine Wave, Acceleration: 30G@14ms, ±X, ±Y, ±Z axis
Vibration Resistance	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each	ISO / IEC 17025, Sine Wave, 5-200 Hz, Acceleration: 10G, Displacement: 16 mm, Sweeping Rate: 1 Oct/ min, Test Direction: X, Y, Z axis, Test Time: 1hr for each

Feature
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ORDER INFORMATION



SQ24 Series Fixed Pressure

Connection	
M10X1 (TAP 1°)	SQ24 □ - □ □ □ □ - M1 - □ □ □
M10X1	SQ24 □ - □ □ □ □ - M0 - □ - □ □
M12X1.5	SQ24 □ - □ □ □ □ - M2 - □ - □ □
1/8"PT	SQ24 □ - □ □ □ □ - 1Q - □ - □ □
1/4"PT	SQ24 □ - □ □ □ □ - 2Q - □ - □ □
1/8"G	SQ24 □ - □ □ □ □ - 1V - □ - □ □
1/4"G	SQ24 □ - □ □ □ □ - 2V - □ - □ □
1/8"NPT	SQ24 □ - □ □ □ □ - 1U - □ - □ □
1/4"NPT	SQ24 □ - □ □ □ □ - 2U - □ - □ □

Hex Length	5: Zinc-plating steel 6: SUS316 U: Brass
Pressure	□ □ □ = 0 X 2 = 0.2Bar □ □ □ = 1 X 1 = 1.1Bar □ □ □ = 0 0 5 = 5Bar □ □ □ = 0 5 0 = 50Bar (0.3~0.9Bar)Tolerance 0.1Bar (1~100Bar) Tolerance 5%
Contact Form	A: NO B: NC
Diaphragm Material	N: NBR D: EPDM V: VITON
Socket Type	D: DT04-2P A: 250 Type
Socket Wiring	A: $\phi 3$, PVC (2P) B: $\phi 3$, PVC (2P) with wrap up hose C: $\phi 6.4$, PE CABLE D: $\phi 3$, PVC (2P) with termo-sriank hose