



Pressure Switch



SQ24 SPST TYPE



TYPE	SQ245 Series			SQ246 Series			SQ24U Series		
Hex length	24mm			24mm			24mm		
Body material	Zinc-Plated Steel ROHS			SUS316			Brass		
Wiring	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal	Screw	Push-on	Spade Terminal
Contact rating (Max.)	4A/ 50Vdc, 4A/ 250Vac			4A/ 50Vdc, 4A/ 250Vac			4A/ 50Vdc, 4A/ 250Vac		
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)		
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C			NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C			NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C		
Pressure range	0.2~99bar (≤20bar with UL certification)			0.2~99bar (≤20bar with UL certification)			0.2~99bar (≤20bar with UL certification)		
Piping selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"			M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"			M10*1 (taper) 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(optional)	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		

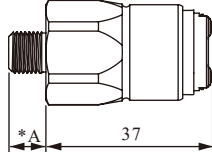
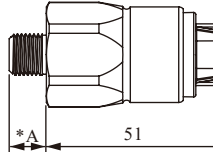
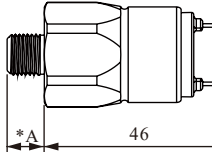
Feature

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

Product Dimension			
SQ245/ 246/ 24U Series			
Screw:		Push-on:	Spade:
			
			
*A 9mm: M10*1 taper, M10, G1/8", PT1/8", NPT 1/8"		12mm: M12*1.5, G1/4", PT1/4", NPT 1/4"	
(Unit: mm)			

SQ24 Series Field Adjustable/ Fixed Pressure

※≤20bar with UL certification

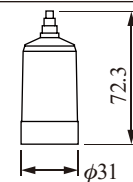
Pressure range	Tolerance	Connection
0.2~0.9bar	±0.1bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
1~9.9bar	±0.5bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
10~19bar	±5%	1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
		1/4"NPT
20~49bar	±5%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
50~99bar	±5%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT

Option:

Body Protect Cover: SQXAM1P-07D0000001

Material: NBR

Protection Grade: IP67

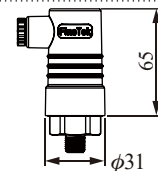


Body Protect Cover: SQXCM1P-PGA00000001

Material: Nylon

Protection Grade: IP67

★ Only SQ24 Push-on Type to use.



To comply with CE, SQ24 series need to add anti-dust cover.

SQ24 HIGH PRESSURE SPST TYPE



TYPE	SQ245 Series	SQ246 Series
Hex Length	24mm	24mm
Body Material	Zinc-Plated Steel ROHS	SUS316
Wiring	Screw Push-on Spade Terminal	Screw Push-on Spade Terminal
Contact rating (Max.)	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac
Response Frequency	2Hz	2Hz
Max. Voltage Peak	1.5KV (IEC60947-2)	1.5KV (IEC60947-2)
Electric Insulation	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)
Pressure Range	100~300bar	100~300bar
Pressure Acting Variation	± 5% full set point range @20°C	± 5% full set point range @20°C
Piping Selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) 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
Body Protection	IP00 (IEC 60529)	IP00 (IEC 60529)
Protection(optional)	IP67 (IEC 60529)	IP67 (IEC 60529)
Mechanical Life	1.5X10 ⁶ cycles (in 50 bar)	1.5X10 ⁶ cycles (in 50 bar)
Screw Torque	<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
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

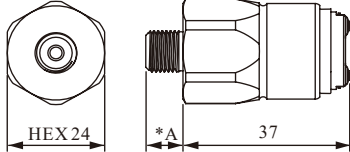
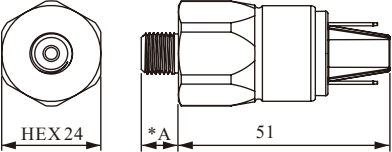
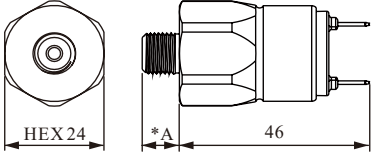
Feature

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

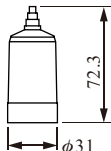
Product Dimension			
SQ245/ 246/ 24U Series			
Screw:	Push-on:	Spade:	
			
*A 9mm: M10*1 taper, M10, G1/8", PT1/8", NPT 1/8" 12mm: M12*1.5, G1/4", PT1/4", NPT 1/4"			
(Unit: mm)			

SQ24 Series Field Adjustable/ Fixed Pressure

Pressure range	Tolerance	Connection
100~300bar	± 5%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT

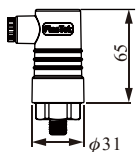
Option:

Body Protect Cover: SQXAM1P-07D0000001
Material: NBR
Protection Grade: IP67



Body Protect Cover: SQXCM1P-PGA0000001
Material: Nylon
Protection Grade: IP67

★ Only SQ24 Push-on Type to use.



To comply with CE, SQ24 series need to add anti-dust cover.

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.)	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac
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)
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C
Pressure Range	0.2~300bar	0.2~300bar	0.2~300bar
Piping Selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) 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

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

Product Dimension

DT04-2P

250 Type

*A

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

(Unit: mm)

SQ24 Series Fixed Pressure

Pressure range	Tolerance	Connection
0.2~0.9 bar	± 0.1 Bar	M10X1 (taper)
		M10X1
		M12X1.5
1~9.9 bar	± 0.5 Bar	1/8"PT
		1/4"PT
		1/8"G
100~300 bar	± 5 %	1/4"G
		1/8"NPT
		1/4"NPT

Socket Type

DT04-2P

250 Type

Socket Wiring

DT04-2P-φ3, XLPE

250 type-2P-φ3, XLPVC with Heat-Shrinkable Tubings

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.)	2A/ 50Vdc, 4A/ 250Vac		2A/ 50Vdc, 4A/ 250Vac		2A/ 50Vdc, 4A/ 250Vac	
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)	
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C		NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C		NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	
Pressure Range	0.3~100bar (≤20bar with UL certification)		0.3~100bar (≤20bar with UL certification)		0.3~100bar (≤20bar with UL certification)	
Piping Selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"		M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"		M10*1 (taper) 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)	
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	

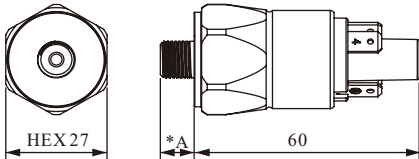
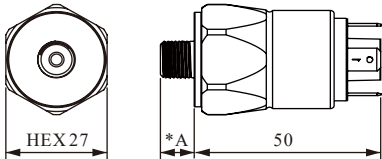
Feature

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

Product Dimension		
SQ275/ 276/ 27U Series		
Push-on:		
		
*A 9mm: M10*1 taper, M10, G1/8", PT1/8", NPT 1/8"	12mm: M12*1.5, G1/4", PT1/4", NPT 1/4"	(Unit: mm)
Spade:		
		

SQ27 Series Field Adjustable/ Fixed Pressure

※≤20bar with UL certification

Pressure range	Tolerance	Connection
0.3~0.9bar	±0.1 bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
1~9.9bar	±0.5 bar	M10X1 (taper)
		M10X1
		M12X1.5
10~19bar	±5%	1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
20~49bar	±5%	1/4"NPT
		M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
50~100bar	±5%	1/4"G
		1/8"NPT
		1/4"NPT
		M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT

SQ27 DIN TYPE



CE



CE



CE

TYPE	SQ275 Series	SQ276 Series	SQ27U Series
Hex Length	27mm	27mm	27mm
Body Material	Zinc-Plated Steel ROHS	SUS316	Brass
Contact rating (Max.)	2A/ 50Vdc, 4A/ 250Vac	2A/ 50Vdc, 4A/ 250Vac	2A/ 50Vdc, 4A/ 250Vac
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)
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C
Pressure Range	0.3~100bar (≤20bar with UL certification)	0.3~100bar (≤20bar with UL certification)	0.3~100bar (≤20bar with UL certification)
Piping Selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"
Contact Model	SPDT	SPDT	SPDT
Protection	IP65 (IEC 60529)	IP65 (IEC 60529)	IP65 (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

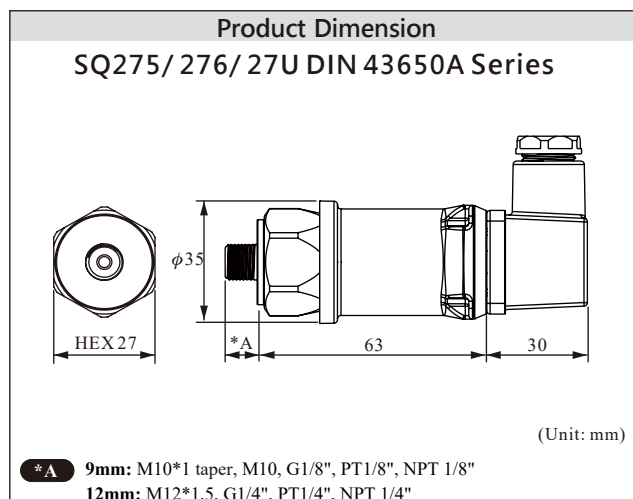
Feature

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE



SQ27 DIN Series Field Adjustable/ Fixed Pressure

※≤20bar with UL certification

Pressure range	Tolerance	Connection
0.3~0.9bar	±0.1 bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
1~9.9bar	±0.5 bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
10~19bar	±5%	1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
20~49bar	±5%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
50~100bar	±5%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT

SQ34 SPST HIGH ACCURAY TYPE



TYPE	SQ345 Series	SQ346 Series	SQ34U Series
Hex length	24mm	24mm	24mm
Body material	Zinc-Plated Steel ROHS	SUS316	Brass
Wiring	Screw Push-on Spade Terminal	Screw Push-on Spade Terminal	Screw Push-on Spade Terminal
Contact rating (Max.)	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac
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)
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C
Pressure range	0.2~99bar (≤20bar with UL certification)	0.2~99bar (≤20bar with UL certification)	0.2~99bar (≤20bar with UL certification)
Piping selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) 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(optional)	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

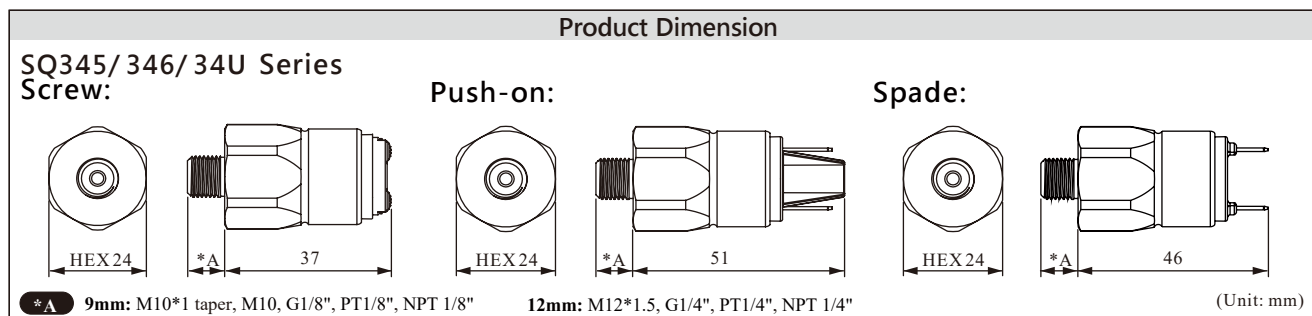
Feature

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE



SQ34 Series Field Adjustable Pressure/ Fixed Pressure

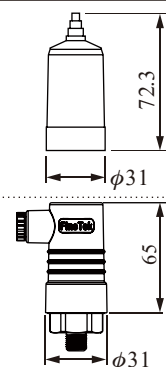
※≤20bar with UL certification

Pressure range	Tolerance	Connection
0.2~0.9bar	± 0.05bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
1~9.9bar	± 0.3bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
10~19bar	± 3%	1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
20~49bar	± 3%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
50~99bar	± 3%	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT

Option:

Body Protect Cover: SQXAM1P-07D0000001
Material: NBR
Protection Grade: IP67

Body Protect Cover: SQXCM1P-PGA00000001
Material: Nylon
Protection Grade: IP67
★ Only SQ34 Push-on Type to use.



To comply with CE, SQ34 series need to add anti-dust cover.

SQ34 SPST HIGH ACCURAY TYPE



TYPE	SQ345 Series	SQ346 Series	SQ34U 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.)	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac	4A/ 50Vdc, 4A/ 250Vac
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)
Membrane materials/ Operation temperature	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C	NBR(Standard) -10~100°C VITON -10~100°C EPDM -10~100°C NBR(Low Temp.) -30~100°C VITON(Low Temp.) -30~100°C EPDM(Low Temp.) -30~100°C
Pressure Range	0.2~99bar	0.2~99bar	0.2~99bar
Piping Selection	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) M10*1, M12*1.5 PT1/8", PT1/4" G1/8", G1/4" NPT 1/8" , NPT 1/4"	M10*1 (taper) 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

- 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

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

Product Dimension

DT04-2P

250 Type

*A

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

(Unit: mm)

SQ34 Series Fixed Pressure

Pressure range	Tolerance	Connection
0.2~0.9 bar	± 0.05 Bar	M10X1 (taper)
		M10X1
		M12X1.5
1~9.9 bar	± 0.3 Bar	1/8"PT
		1/4"PT
		1/8"G
10~99 bar	± 3 %	1/4"G
		1/8"NPT
		1/4"NPT

Socket Type

DT04-2P

250 Type

Socket Wiring

DT04-2P-φ3, XLPE

250 type-2P-φ3, XLPVC with Heat-Shrinkable Tubings

ORDER INFORMATION

	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
SQX1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
05 06 Model																						
00: Standard																						
05: High-Pressure																						
34: High-Accuracy																						
07 08 Certification																						
00: None																						
3A: UL																						
09 Hex length																						
A: 24mm																						
B: 27mm																						
10 Contact model																						
A: SPST-NO																						
B: SPST-NC																						
C: SPDT																						
11 12 Connection																						
A1: 1/8"																						
A2: 1/4"																						
I1: M10																						
I3: M12																						
A5: 1/2"																						
13 14 Thread type																						
01: PT male																						
07: NPT male																						
17: PF(G) male																						
78: (P)1 male																						
82: (P)1.5 male																						
90: (P)1(Taper) male																						
15 Pressure regulation																						
A: Field adjustable																						
B: Fixed																						

(Nextpage)

00: None
68: 0.2~0.9 Bar
69: 1~19 Bar
70: 20~49 Bar
71: 50~99 Bar
93: 100~300 Bar

Code	Range
0000	None
0002~0490	pressure: 0.2~49 Bar
0002~3000	pressure: 0.2~300 Bar

Please enter the pressure value, decimal pointx10
For example : 0.2Bar is 0002,10Bar is 0100,101Bar is 1010

MP: 1215(Zinc-plated steel)
MB: SUS 316
MG: Brass

07: NBR
28: VITON
04: EPDM
52: NBR (Low temperature)
53: VITON (Low temperature)
54: EPDM (Low temperature)
55: SQ (High pressure dedicated, slip column type)

A: Push-on
B: Spade terminal
C: Screw
D: DIN43650A
E: DT04-2P- $\phi 3$, XLPE
M: 250 type-2P- $\phi 3$, XLPVC with Heat-Shrinkable Tubings

Global Network



Head Quarter

- Taiwan
FineTek Co., Ltd. - Taipei Head Quarter
No.16, Tzuchiang St., Tucheng Industrial Park
New Taipei City 236, Taiwan
TEL: 886-2-2269-6789
FAX: 886-2-2268-6682
EMAIL: info@fine-tek.com

North America

- California, U.S.
Aplus Finetek Sensor Inc. - US Office
355 S. Lemon Ave, Suite D
Walnut, CA 91789
TEL: 1 909 598 2488
FAX: 1 909 598 3188
EMAIL: info@aplusfine.com

Europe

- Germany
FineTek GmbH - Germany Office
Bei den Kämpen 26
21220 Seevetal-Ramelsloh, Germany
TEL: +49-(0)4185-8083-12
FAX: +49-(0)4185-8083-80
EMAIL: info@fine-tek.de

Asia

- China
Fine automation Co., Ltd. - Shanghai Factory
No.451 DuHui Rd, MinHang District, Shanghai,
China 201109
TEL: 86-21-6490-7260
EMAIL: info.sh@fine-tek.com

- Singapore
FineTek Pte Ltd. - Singapore Office
37 Kaki Bukit Place, Level 4 Singapore 416215
TEL: 65-6452-6340
EMAIL: info.sg@fine-tek.com

- Indonesia
PT. FineTek Automation Indonesia - Indonesia Office
PERGUDANGAN TUNAS BITUNG
JL. Raya Serang KM. 13,8, Blok C3 No. 12&15,
Bitung Cikupa, Tangerang 15710
TEL: 62 (021)-2958-1688
EMAIL: info.id@fine-tek.com

- Müttec Instruments GmbH - Germany Office
Bei den Kämpen 26
21220 Seevetal-Ramelsloh, Germany
TEL: +49-(0)4185-8083-0
FAX: +49-(0)4185-8083-80
EMAIL: muetec@muetec.de



Distributor: