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Pressure Switch

FineTek

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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)	0.2~20bar (≦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

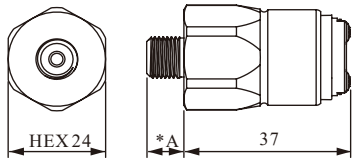
- Pressure Detection For Automobile Braking System
- Pressure Control For Piping System
- Hydraulic Detection For Fire Fighting System
- Hydraulic Industry
- Lubrication System
- Sprinkler System
- Air Compressor
- Medical Equipment
- Tire Manufacturing

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

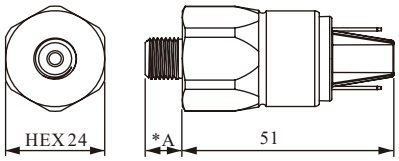
Product Dimension

SQ245/ 246/ 24U Series

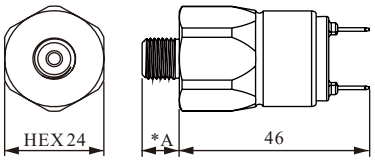
Screw:



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)

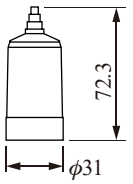
SQ24 Series Field Adjustable/ Fixed Pressure

※≦20bar with UL certification

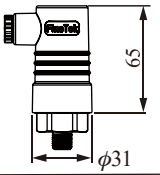
Pressure range	Tolerance	Connection
0.2~0.9bar	±0.1bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
		1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
1~9.9bar	±0.5bar	M10X1 (taper)
		M10X1
		M12X1.5
		1/8"PT
		1/4"PT
10~19bar	±5%	1/8"G
		1/4"G
		1/8"NPT
		1/4"NPT
20~49bar	±5%	M10X1 (taper)
		M10X1
		M12X1.5
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



Bady 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 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℃ ~100℃ (IEC 60068-2-2)	-10℃ ~100℃ (IEC 60068-2-2)
Pressure Range	100~300bar	100~300bar
Pressure Acting Variation	±5% full set point range @20℃	±5% full set point range @20℃
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

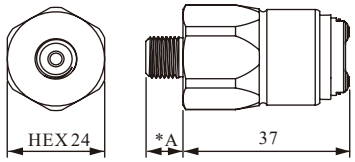
- Pressure Detection For Automobile Braking System
- Pressure Control For Piping System
- Hydraulic Detection For Fire Fighting System
- Hydraulic Industry
- Lubrication System
- Sprinkler System
- Air Compressor
- Medical Equipment
- Tire Manufacturing

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

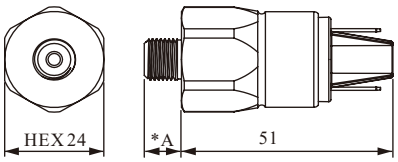
Product Dimension

SQ245/ 246 Series

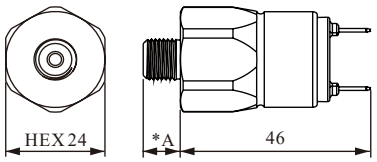
Screw:



Push-on:



Spade:



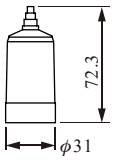
*A **9mm:** M10*1 taper, M10, G1/8", PT1/8", NPT 1/8" **12mm:** M12*1.5, G1/4", PT1/4", NPT 1/4"

(Unit: mm)

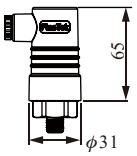
SQ24 Series Field Adjustable/ Fixed Pressure

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



Bady 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	0.2~20bar
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

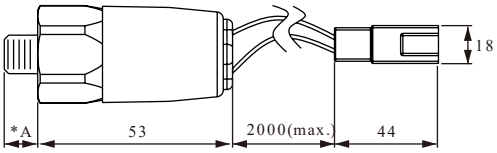
Application

- 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

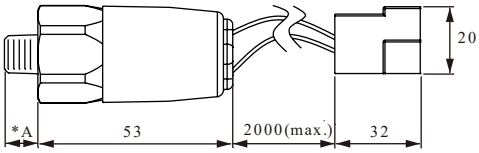
PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

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)

Socket Type

DT04-2P



250 Type



Socket Wiring

DT04-2P-ϕ3, XLPE



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



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

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)		0.3~20bar (≦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

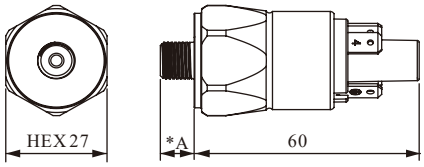
- Pressure Detection For Automobile Braking System
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PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

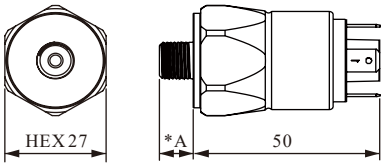
Product Dimension

SQ275/ 276/ 27U Series

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)

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
		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

SQ27 DIN TYPE







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)	0.3~20bar (≦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

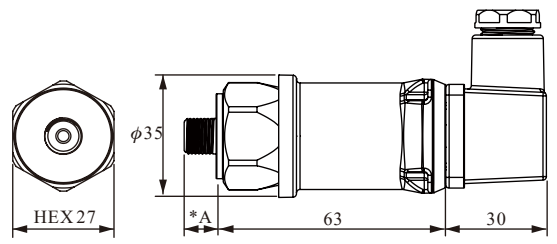
Application

- 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

Product Dimension

SQ275/ 276/ 27U DIN 43650A Series



(Unit: mm)

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

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)	0.2~20bar (≦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

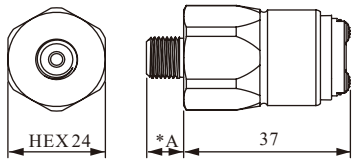
- Pressure Detection For Automobile Braking System
- Pressure Control For Piping System
- Hydraulic Detection For Fire Fighting System
- Hydraulic Industry
- Lubrication System
- Sprinkler System
- Air Compressor
- Medical Equipment
- Tire Manufacturing

PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

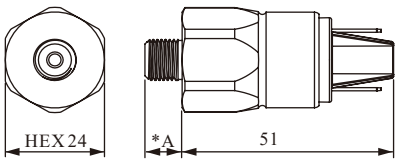
Product Dimension

SQ345/ 346/ 34U Series

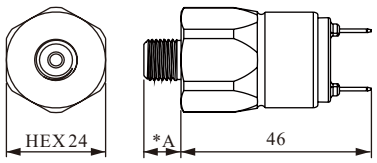
Screw:



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"

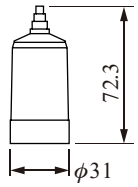
(Unit: mm)

SQ34 Series Field Adjustable Pressure/ Fixed Pressure

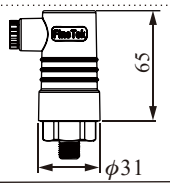
※≦20bar with UL certification

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



Bady Protect Cover: SQXCM1P-PGA0000001
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	0.2~20bar
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

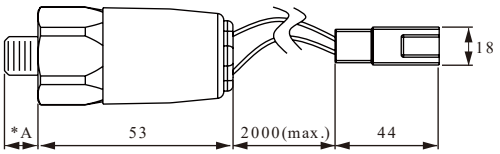
Application

- 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

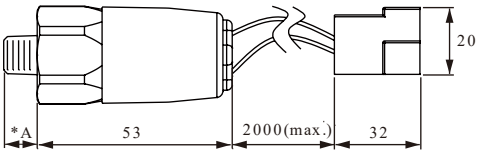
PRODUCT DIMENSION/ PRESSURE RANGE TOLERANCE

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)

Socket Type

DT04-2P



250 Type



Socket Wiring

DT04-2P-ϕ3, XLPE



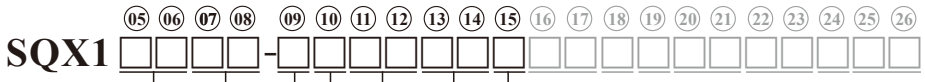
250 type-2P-ϕ3, XLPVC with Heat-Shrinkable Tubings



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

ORDER INFORMATION



⑤⑥ Model

00: Standard
05: High-Pressure
34: High-Accuray

(Nextpage)

⑦⑧ Certification

00: None
3A: UL

⑨ Hex length

A: 24mm
B: 27mm

⑩ Contact model

A: SPST-NO
B: SPST-NC
C: SPDT

⑪⑫ Connection

A1: 1/8"
A2: 1/4"
I1: M10
I3: M12
A5: 1/2"

⑬⑭ 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



⑯⑰ Adjustable pressure range

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

⑱⑲⑳㉑ Fixed pressure

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

㉒㉓ Body material

MP: 1215(Zinc-plated steel)
MB: SUS 316
MG: Brass(Pressure range Max.20bar)

㉔㉕ Membrane material

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)

㉖ Wiring

A: Push-on
B: Spade terminal
C: Screw
D: DIN43650A
E: DT04-2P- ϕ3, XLPE
M: 250 type-2P- ϕ3, XLPVC with Heat-Shrinkable Tubings

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FineTek

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