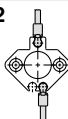

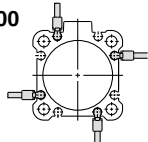
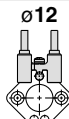
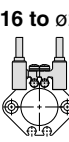
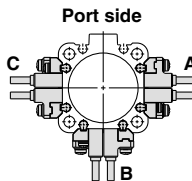
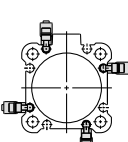

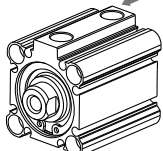
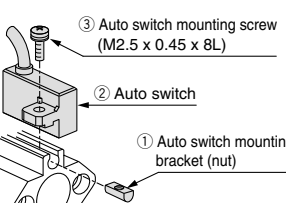
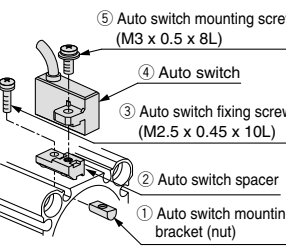
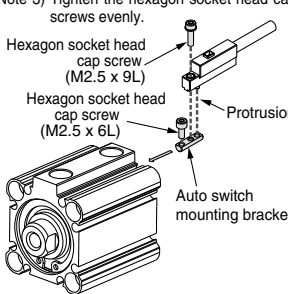


4 Auto Switch Mounting Brackets/Part No.

Applicable Cylinder Series: CDQ2, CDQ2W, CDQ2□□□□□S/□T (Single acting), CDQ2, CDQ2W (Large bore size), CDQ2K, CDQ2KW (Non-rotating rod), CDQ2 (Long stroke), CDQ2□S (Anti-lateral load), CDQ2□R/□V (Water resistant)

Applicable auto switch	D-M9□/M9□V D-M9□W/M9□WV D-M9□AL/M9□AVL D-A9□/A9□V	D-F7□/F7□V/J79/J79C/F7□W/J79W/F7□WV D-F7BAL/F7BAVL/F79F/F7NTL D-A7□/A80/A7□H/A80H/A73C/A80C/A79W		D-P3DW□						
Bore size (mm)	ø12 to ø200	ø12 to ø25	ø32 to ø160	ø32 to ø100						
Auto switch mounting bracket part no.	—	BQ4-012	BQ5-032	BQ3-032S						
Auto switch mounting bracket fitting parts lineup/Weight	—	<div>① Auto switch mounting screw (M2.5 x 8L)</div> <div>② Auto switch mounting nut</div> <div>Weight: 1.5 g</div> <div>When requesting the enclosure of the auto switch mounting brackets (2 pcs.) with the cylinder for shipment, add “BQ” to the end of the cylinder model number. Standard model no. +BQ Example) CDQ2B32-30DZ-BQ/CDQ2B32-30DZ-BQ-XC4 (Made to Order)</div>		<div>① Hexagon socket head cap screw (M2.5 x 6L)</div> <div>② Hexagon socket head cap screw (M2.5 x 9L)</div> <div>③ Auto switch mounting bracket (nut)</div> <div>Weight: 2.5 g</div>						
Auto switch mounting surface	<div>Surfaces with auto switch mounting slot</div> <div><div>ø12</div></div> <div><div>ø16 to ø25</div></div> <div><div>ø32 to ø200</div></div>	<div>Auto switch mounting rail side only</div> <div><div>ø12</div></div> <div><div>ø16 to ø25</div></div>	<div>A/B/C side except port side</div> <div><div>Port side</div></div>	<div>Surfaces with auto switch mounting slot</div> 						
Mounting of auto switch	<div><div>Auto switch mounting screw</div></div> <div><div>Auto switch</div></div> <div><div>• When tightening the auto switch mounting screw, use a watchmakers' screwdriver with a handle 5 to 6 mm in diameter.</div></div> <div><div>Tightening torque for auto switch mounting screw (N·m)</div><table><tr><th>Auto switch model</th><th>Tightening torque</th></tr><tr><td>D-M9□(V) D-M9□W(V) D-M9□A(V)L</td><td>0.05 to 0.15</td></tr><tr><td>D-A9□(V)</td><td>0.10 to 0.20</td></tr></table></div>	Auto switch model	Tightening torque	D-M9□(V) D-M9□W(V) D-M9□A(V)L	0.05 to 0.15	D-A9□(V)	0.10 to 0.20	<div><div>① Insert the nut into the auto switch mounting slot on the cylinder tube, and place it in the roughly estimated setting position.</div><div>② Engage the ridge on the auto switch mounting arm with the recess in the cylinder tube rail, and slide it to the position of the nut.</div><div>③ Gently screw the auto switch mounting screw into the thread of the auto switch mounting nut through the mounting hole on the auto switch mounting arm.</div><div>④ Confirm where the mounting position is, and tighten the auto switch mounting screw to fix the auto switch. The tightening torque of the M2.5 screw must be 0.25 to 0.35 N·m.</div><div>⑤ The detection position can be changed under the conditions in step ③.</div><div><div>③ Auto switch mounting screw (M2.5 x 0.45 x 8L)</div><div>② Auto switch</div><div>① Auto switch mounting bracket (nut)</div></div></div>	<div><div>① Insert the nut into the auto switch mounting slot on the cylinder tube, and place it in the roughly estimated setting position.</div><div>② With the lower tapered part of the auto switch spacer facing the outside of the cylinder tube, line up the M2.5 through hole with the M2.5 female thread of the auto switch mounting nut.</div><div>③ Gently screw the auto switch mounting nut fixing screw (M2.5) into the thread of the auto switch mounting nut through the mounting hole.</div><div>④ Engage the ridge on the auto switch mounting arm with the recess in the auto switch spacer.</div><div>⑤ Tighten the auto switch mounting screw (M3) to fix the auto switch. The tightening torque of the M3 screw must be 0.35 to 0.45 N·m.</div><div>⑥ Confirm where the mounting position is, and tighten the auto switch fixing screw (M2.5) to fix the auto switch mounting nut. The tightening torque of the M2.5 screw must be 0.25 to 0.35 N·m.</div><div>⑦ The detection position can be changed under the conditions in step ⑤.</div><div><div>⑤ Auto switch mounting screw (M3 x 0.5 x 8L)</div><div>④ Auto switch</div><div>③ Auto switch fixing screw (M2.5 x 0.45 x 10L)</div><div>② Auto switch spacer</div><div>① Auto switch mounting bracket (nut)</div></div></div>	<div><div>① Insert the protrusion on the bottom of the auto switch into the mating part of the auto switch mounting bracket and fix the auto switch and the auto switch mounting bracket temporarily by tightening the hexagon socket head cap screw (M2.5 x 9L) 1 to 2 turns.</div><div>② Insert the temporarily tightened mounting bracket into the mating groove of the cylinder tube, and slide the auto switch onto the cylinder tube through the groove.</div><div>③ Check the detecting position of the auto switch and fix the auto switch firmly with the hexagon socket head cap screw (M2.5 x 6L, M2.5 x 9L).*</div><div>④ If the detecting position is changed, go back to step ②.</div><div><div>* The hexagon socket head cap screw (M2.5 x 6L) is used to fix the mounting bracket and cylinder tube. This enables the replacement of the auto switch without adjusting the auto switch position.</div></div><div><div>Note 1) Ensure that the auto switch is covered with the mating groove to protect the auto switch.</div><div>Note 2) The tightening torque of the hexagon socket head cap screw (M2.5 x 6L, M2.5 x 9L) must be 0.2 to 0.3 N·m.</div><div>Note 3) Tighten the hexagon socket head cap screws evenly.</div></div><div><div>Hexagon socket head cap screw (M2.5 x 9L)</div><div>Hexagon socket head cap screw (M2.5 x 6L)</div><div>Protrusion</div><div>Auto switch mounting bracket</div></div></div>
Auto switch model	Tightening torque									
D-M9□(V) D-M9□W(V) D-M9□A(V)L	0.05 to 0.15									
D-A9□(V)	0.10 to 0.20									

Note) Auto switch mounting bracket and auto switch are enclosed with the cylinder for shipment. For an environment that needs the water resistant auto switch, select the D-M9□A(V)L type. Auto switch mounting bracket for the D-F7BA(V)L type uses BQ4-012 and BQ5-032 normal specifications (metal screw).

* The auto switches applicable to the CDQ2□R/□V (water resistant) is the D-M9□A(V)L type.