

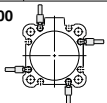

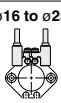
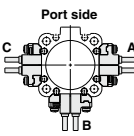

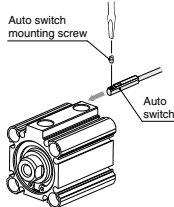
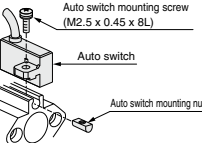
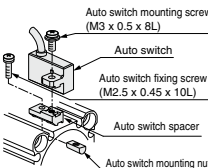
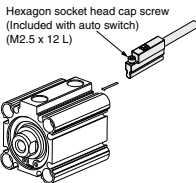


## 4 Auto Switch Mounting Brackets/Part No.

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□A/M9□AV D-A9□/A9□V	D-F7□/F7□V/J79/J79C/F7□W/J79W/F7□WV D-F7BA/F7BAV/F79F/F7NT D-A7□/A80/A7□H/A80H/A73C/A80C/A79W	D-P3DWA									
Bore size (mm)	φ12 to φ200	φ12 to φ25	φ32 to φ160									
Auto switch mounting bracket part no.	—	BQ4-012	BQ5-032									
Auto switch mounting bracket fitting parts lineup/Weight	—	<ul style="list-style-type: none"> <li>Auto switch mounting screw (M2.5 x 8L)</li> <li>Auto switch mounting nut Weight: 1.5 g</li> </ul>	<ul style="list-style-type: none"> <li>Auto switch fixing screw (M2.5 x 10L)</li> <li>Auto switch mounting screw (M3 x 8L)</li> <li>Auto switch spacer</li> <li>Auto switch mounting nut Weight: 3.5 g</li> </ul>									
		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)										
Auto switch mounting surface	Surfaces with auto switch mounting slot φ12  φ16 to φ25  φ32 to φ200 	Auto switch mounting rail side only φ12  φ16 to φ25 	A/B/C side except port side 	Surfaces with auto switch mounting slot 								
Mounting of auto switch	 <p>Auto switch mounting screw</p> <p>Auto switch</p> <ul style="list-style-type: none"> <li>When tightening the auto switch mounting screw, use a watchmakers' screwdriver with a handle 5 to 6 mm in diameter.</li> </ul> <p><b>Tightening torque for auto switch mounting screw (N·m)</b></p> <table border="1"> <thead> <tr> <th>Auto switch model</th> <th>Tightening torque</th> </tr> </thead> <tbody> <tr> <td>D-M9□(V)</td> <td rowspan="3">0.05 to 0.15</td> </tr> <tr> <td>D-M9□W(V)</td> </tr> <tr> <td>D-M9□A(V)</td> </tr> <tr> <td>D-A9□(V)</td> <td>0.10 to 0.20</td> </tr> </tbody> </table>	Auto switch model	Tightening torque	D-M9□(V)	0.05 to 0.15	D-M9□W(V)	D-M9□A(V)	D-A9□(V)	0.10 to 0.20	<ol style="list-style-type: none"> <li>Insert the nut into the auto switch mounting slot on the cylinder tube, and place it in the roughly estimated setting position.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>The detection position can be changed under the conditions in step ③.</li> </ol>  <p>Auto switch mounting screw (M2.5 x 0.45 x 8L)</p> <p>Auto switch</p> <p>Auto switch mounting nut</p>	<ol style="list-style-type: none"> <li>Insert the nut into the auto switch mounting slot on the cylinder tube, and place it in the roughly estimated setting position.</li> <li>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.</li> <li>Gently screw the auto switch mounting nut fixing screw (M2.5) into the thread of the auto switch mounting nut through the mounting hole.</li> <li>Engage the ridge on the auto switch mounting arm with the recess in the auto switch spacer.</li> <li>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.</li> <li>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.</li> <li>The detection position can be changed under the conditions in step ⑤.</li> </ol>  <p>Auto switch mounting screw (M3 x 0.5 x 8L)</p> <p>Auto switch</p> <p>Auto switch fixing screw (M2.5 x 0.45 x 10L)</p> <p>Auto switch spacer</p> <p>Auto switch mounting nut</p>	<ol style="list-style-type: none"> <li>Insert the mounting bracket into the mating groove of the cylinder tube.</li> <li>Check the detecting position of the auto switch and fix the auto switch firmly with the hexagon socket head cap screw (M2.5 x 12 L).*</li> <li>If the detecting position is changed, go back to step ①.</li> </ol> <p>Note 1) Ensure that the auto switch is covered with the mating groove to protect the auto switch.</p> <p>Note 2) The tightening torque for the hexagon socket head cap screw (M2.5 x 12 L) is 0.2 to 0.3 N·m.</p>  <p>Hexagon socket head cap screw (Included with auto switch) (M2.5 x 12 L)</p>
Auto switch model	Tightening torque											
D-M9□(V)	0.05 to 0.15											
D-M9□W(V)												
D-M9□A(V)												
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) type.

Auto switch mounting bracket for the D-F7BA(V) 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) type.

\* The applicable auto switches for the CDQ2□□□-S/□T (single acting) are those except for the D-P3DW type.