

Series 25A- Applicable Auto Switches 1

Applicable Auto Switches **Series 25A-**

Applicable Cylinder Series

Type	Special function	Electrical entry	Auto switches					Cylinders												Cylinders																					
			Indicator light	Wiring (Output)	Electrical entry direction	Auto switch model	Lead wire length [m]				Pre-wired connector SDPC										CDQ2		MY1B			MY1H		MY2H	CY3R		MXS	MXQ	MXW	MGP	MGG	CXS	CDBXW		CDBPXW		
							0.5	1	3	5		ø10, ø16	ø20 to ø40	ø20 to ø63	ø80, ø100	ø32 to ø100	ø40 to ø100	ø120 to ø160	ø10 to ø32		ø16 to ø32	ø12 to ø25	ø12 to ø100	ø125 to ø200	ø20	ø25 to ø40 ø63	ø50	ø16, ø20	ø25 to ø40	ø16, ø25	ø15, ø20	ø25 to ø40	ø6 to ø25	ø6 to ø25	ø8 to ø25	ø12 to ø100	ø20 to ø50	ø6 to ø32	ø10	ø16 to ø32	ø10 to ø32
							Nil	M	L	Z																															
Reed auto switch	—	Grommet	None	2-wire	In-line	D-A90-900	—	—	●	—	—	●	●	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	—		Yes	3-wire (NPN equiv.)	In-line	D-Z80-900	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
						D-E76A	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
						D-E73A	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Solid state auto switch	Grommet	None	Yes	2-wire	In-line	D-E80A	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		Diagnostic indication (2-color display)				D-M9N-900	●	●	●	○	—	●	●	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	
						D-M9P-900	●	●	●	○	—	●	●	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	
						D-M9B-900	●	●	●	○	—	●	●	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	
						D-M9NV-900	●	●	●	○	—	—	—	—	●	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	●	—	—	—	—	—	—	
						D-M9PV-900	●	●	●	○	—	—	—	—	●	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	—	—	—	—	—	—	—	
						D-M9BV-900	●	●	●	○	—	—	—	—	●	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	—	—	—	—	—	—	—	—
						D-M9NW-900	●	●	●	○	—	●	●	●	—	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	●	●	●	—	—	—	—	
						D-M9PW-900	●	●	●	○	—	●	●	●	—	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	●	●	—	—	—	—	—	—
						D-M9BW-900	●	●	●	○	○	●	●	●	—	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	●	●	—	—	—	—	—	—
						D-M9NWV-900	●	●	●	○	—	—	—	—	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—
		D-M9PVV-900				●	●	●	○	—	—	—	—	●	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—	
		D-M9BVV-900				●	●	●	○	○	—	—	—	—	●	●	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—	
		—				D-Y59A-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7P-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y59B-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y69A-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7PV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y69B-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7NW-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						D-Y7PW-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						D-Y7BW-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7NWV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Diagnostic indication (2-color display)				D-Y7PVV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7BVV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7PWV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-Y7BWV-900	●	●	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-G59-900	●	—	●	○	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-G5P-900	●	—	●	○	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-K59-900	●	—	●	○	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						D-G59W-900	●	—	●	○	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						D-G5PW-900	●	—	●	○	—	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						D-K59W-900	●	—	●	○	○	—	—	—	●	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	D-F79-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7P-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-J79-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7NV-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7PV-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7BV-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F79W-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7PW-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-J79V-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	D-F7NWV-900	●	—	●	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Diagnostic indication (2-color display)	D-F7BWV-900	●	—	●	○	—	—	—	—	—	—	—	—	—																											

Series 25A-

Applicable Auto Switches 2

Applicable Rotary Actuator, Air Gripper Series

Auto switches											Rotary actuators			Air grippers											
Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Electrical entry direction	Auto switch model	Lead wire length [m]				Pre-wired connector	MSQ		MDSUB		MHZ2	MHZL2	MHZJ2	MHL2	MHF2	MHS3	MHSJ3	MHY2		
							0.5 Nil	1 M	3 L	5 Z		10 to 200	1, 3	7, 20	10 to 40	10 to 25	10 to 25	10 to 40	8 to 20	16 to 25	16 to 25	16 to 25			
Reed auto switch	—	Grommet	None	2-wire	In-line	D-A90-900	—	—	●	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
Solid state auto switch	Diagnostic indication (2-color display)	Grommet	Yes	3-wire (NPN)	In-line	D-M9N-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●	●		
				3-wire (PNP)		D-M9P-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●	●		
				2-wire		D-M9B-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●	●		
				3-wire (NPN)	Perpendicular	D-M9NV-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●	●		
				3-wire (PNP)		D-M9PV-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●			
				2-wire		D-M9BV-900	●	●	●	○	—	●	—	—	●	●	●	●	●	●	●	●			
				3-wire (NPN)	In-line	D-M9NW-900	●	●	●	○	—	●	—	—	●	●	●	●	●	—	●	●	—	●	
				3-wire (PNP)		D-M9PW-900	●	●	●	○	—	●	—	—	●	●	●	●	●	—	●	●			
				2-wire		D-M9BW-900	●	●	●	○	○	●	—	—	●	●	●	●	●	—	●	●			
				3-wire (NPN)	Perpendicular	D-M9NVV-900	●	●	●	○	—	●	—	—	●	●	●	●	●	—	●	●	—	●	
				3-wire (PNP)		D-M9PVV-900	●	●	●	○	—	●	—	—	●	●	●	●	●	—	●	●			
				2-wire		D-M9BWW-900	●	●	●	○	○	●	—	—	●	●	●	●	●	—	●	●			
	Diagnostic indication (2-color display)			3-wire (NPN)	In-line	D-Y59A-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—	—	—
				3-wire (PNP)		D-Y7P-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				2-wire		D-Y59B-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				3-wire (NPN)	Perpendicular	D-Y69A-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—	—	
				3-wire (PNP)		D-Y7PV-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				2-wire		D-Y69B-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				3-wire (NPN)	In-line	D-Y7NW-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—	—	
				3-wire (PNP)		D-Y7PW-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				2-wire		D-Y7BW-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				3-wire (NPN)	Perpendicular	D-Y7NVV-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—	—	
				3-wire (PNP)		D-Y7PVV-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
				2-wire		D-Y7BWW-900	●	●	●	○	—	—	—	—	●	●	—	●	—	—	—	—	—		
	—			3-wire (NPN)	In-line	D-S991-901*	●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—
				D-S992-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-S9P1-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-S9P2-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-T991-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-T992-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				3-wire (NPN)	Perpendicular	D-S99V1-901*	●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—	
				D-999V2-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-S9PV1-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-S9PV2-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-T99V1-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				D-T99V2-901*		●	—	●	○	—	—	●	—	—	—	—	—	—	—	—	—	—	—		
				3-wire (NPN)	In-line	D-S791-901*	●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—	
				D-S792-901*		●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—		
				D-S7P1-901*		●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—		
				D-S7P2-901*		●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—		
				D-T791-901*		●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—		
				D-T792-901*		●	—	●	○	—	—	—	●	—	—	—	—	—	—	—	—	—	—		

* Solid state auto switches marked "○" are produced upon receipt of order.

* Note that the individual auto switch with part number of "S□□" and "T□□" have the right-hand-type (□□□1) and the left-hand-type (□□□2).

When you order the actuator with two auto switches at the part number of the actuator, one each of the right-hand-type and the left-hand-type are shipped together with the actuator.

Ordering the Auto Switches

Please be aware that the order part numbers for the cylinder mounted and individual auto switches are different.

(Example) Part Number for ordering D-M9BWL-900:

•Cylinder mounted type: 25A-CDJ2L16-60-M9BWL

(Omit the first "D-" and the last "-900" or "-901".)

•Individual auto switch: D-M9BWL-900

(Place the order with the part number for auto switch shown in the table above.)

* Lead wire length symbols: 0.5m..... Nil (Example) M9NW
1m..... M (Example) M9NWM
3m..... L (Example) M9NWL
5m..... Z (Example) M9NWX

* Lead wire for a solid state auto switch with "-901" at the end of part number has been changed to a cable for a robot use.

Series 25A- Auto Switch Mounting 1

Band Mounting Style

Applicable cylinder series : 25A-CDJ2, 25A-CDM2, 25A-CDG1, 25A-MGG

Applicable auto switches : D-M9□-900, D-M9□W-900, M9BWS DPC-900, M9BWVSDPC-900, D-A90L-900

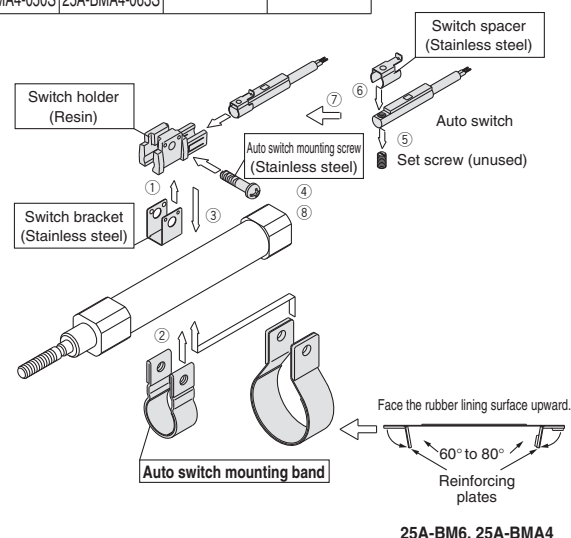
Auto Switch Mounting Bracket Part No.

Cylinder series	Applicable bore size (mm)									
	10	16	20	25	32	40	50	63	80	100
25A-CDJ2	Note 1) 25A-BJ7-010S	Note 1) 25A-BJ7-016S	—	—	—	—	—	—	—	—
25A-CDM2	—	—	Note 2) 25A-BM6-020S	Note 2) 25A-BM6-025S	Note 2) 25A-BM6-032S	Note 2) 25A-BM6-040S	—	—	—	—
25A-CDG1	—	—	Note 3) 25A-BMA4-020S	Note 3) 25A-BMA4-025S	Note 3) 25A-BMA4-032S	Note 3) 25A-BMA4-040S	Note 3) 25A-BMA4-050S	Note 3) 25A-BMA4-063S	—	—
25A-MGG	—	—	Note 3) 25A-BMA4-020S	Note 3) 25A-BMA4-025S	Note 3) 25A-BMA4-032S	Note 3) 25A-BMA4-040S	Note 3) 25A-BMA4-050S	Note 3) 25A-BMA4-063S	—	—

Note 1) The combination of the auto switch mounting band (BJ2-□□□S/with a stainless steel screw) and the holder set (BJ3-1).

Note 2) The combination of the auto switch mounting band (for BM2-□□□) and stainless steel screw (BBA4), and the holder set (BJ3-1).

Note 3) The combination of the auto switch mounting band (for BMA2-□□□) and stainless steel screw (BBA4), and the holder set (BJ3-1).

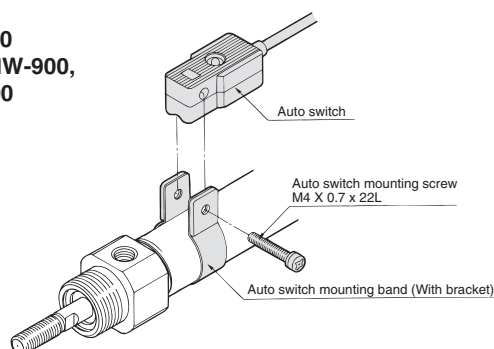


Applicable cylinder series : 25A-CDG1□80, 25A-CDG1□100

Applicable auto switches : D-G5□-900, D-K59-900, D-G5□W-900, D-K59W-900, D-K59WSDPC-900

Auto Switch Mounting Bracket Part No.

Cylinder series	Applicable bore size (mm)	
	80	100
25A-CDG1	BA-08S	BA-10S



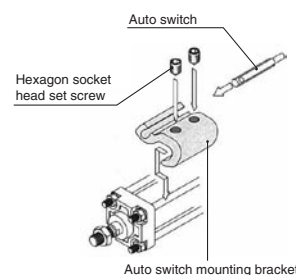
Tie-rod Mounting Style

Applicable cylinder series : 25A-MDB, 25A-CDA2, 25A-CS2

Applicable auto switches : D-M9□-900, D-M9□V-900, D-M9□W-900, D-M9□WV-900, M9BWS DPC-900, M9BWVSDPC-900, D-A90L-900

Auto Switch Mounting Bracket Part No.

Cylinder series	Applicable bore size (mm)								
	32	40	50	63	80	100	120	140	160
25A-MDB	90- BMB5-032	90- BMB5-032	90- BA7-040	90- BA7-040	90- BA7-063	90- BA7-063	—	—	—
25A-CDA2	—	90- BA7-040	90- BA7-040	90- BA7-063	90- BA7-080	90- BA7-080	—	—	—
25A-CDS2	—	—	—	—	—	—	25A- BS6-125	25A- BS6-125	25A- BS6-160



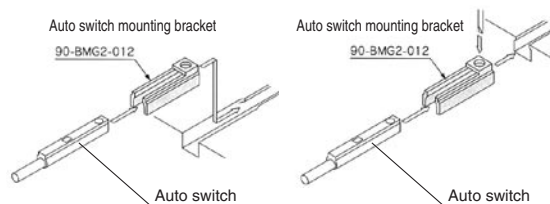
Series 25A- Auto Switch Mounting 2

Direct Mounting Style

Applicable cylinder series : 25A-MY1B, 25A-MY1H, 25A-CY3R,
25A-MGP

Applicable air gripper series : 25A-MHZ(L) 2, 25A-MHL2

Applicable auto switches : D-M9□-900, D-M9□V-900, D-M9□W-900,
D-M9□WV-900, M9BWSDPC-900,
M9BWVSDPC-900
: D-A90L-900



Auto Switch Mounting Bracket Part No.

Cylinder series Air gripper series	Applicable bore size (mm)											
	10	12	15	16	20	25	32	40	50	63	80	100
25A-MY1B	—	—	—	—	Not required	90- BMG2-012	90- BMG2-012	90- BMG2-012	—	90- BMG2-012	—	90- BMG2-012
25A-MY1H	—	—	—	Not required	Not required	90- BMG2-012	90- BMG2-012	90- BMG2-012	—	—	—	—
25A-CY3R	—	—	Not required	—	Not required	90- BMG2-012	90- BMG2-012	90- BMG2-012	—	—	—	—
25A-MGP	—	90- BMG2-012	—	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012
25A-MHZ2	90- BMG2-012	—	—	Note 4)	Note 4)	Note 4)	Note 4)	Note 4)	—	—	—	—
25A-MHZL2	90- BMG2-012	—	—	Note 4)	Note 4)	Note 4)	—	—	—	—	—	—
25A-MHL2	90- BMG2-012	—	—	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	90- BMG2-012	—	—	—	—

Note 4) When mounting D-M9 type of auto switch onto the square groove of the side of the air gripper, the auto switch mounting bracket (90-BMG2-012) is required.