

Applicable Cylinder Series 1

Cylinder series		CDJP2		CDJ2		CDM2		CDM3		CDG1		CDG3		MDB		MDB-X1184		MDB1		CDA2		CDA2-X1184		CDS1		CDS2		CDUJ		CDU		CDQS		CDQ2				CDQ2-XB14		RDQ		CDQM		CQU		MDU-Z		CDJ5-S		CDG5-S		HYDB		HYDQ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		ø4	ø6, ø10, ø16	ø6	ø10, ø16	ø20 to ø40	ø20 to ø40	ø20 to ø63	ø80, ø100	ø20, ø63	ø80, ø100	ø32 to ø125	ø40 to ø100	ø32 to ø125	ø40 to ø100	ø40 to ø100	ø125 to ø200	ø125 to ø160	ø6 to ø20	ø6 to ø32	ø12 to ø20	ø25	ø12 to ø25	ø32 to ø100	ø125 to ø160	ø180 to ø200	ø16 to ø63	ø20, ø25	ø32 to ø50	ø12 to ø25	ø32 to ø100	ø20 to ø40	ø25 to ø63	ø10, ø16	ø20 to ø100	ø20 to ø63	ø80, ø100	ø20 to ø63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Solid state auto switches		Bore size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Auto Switch Guide

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Applicable Cylinder Series 2

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Applicable Cylinder Series 2

Cylinder series		REAS	REAL	REAH	REBR	REBH	REC	CDQSY	CDQ2Y	CDM2Y	CDG1Y	CDA2Y	CDS2Y	CDJ2X	CDUX	CDQSX	CDQ2X	CDM2X	RHC	RZQ	MK2-Z	MK/MK2	MK2T	CKQG	CLKQG	CKQP	CLKQP	CKG1	CKP1	CLK2G	CK2P						
Bore size		ø10 to ø40	ø10 to ø40	ø10 to ø32	ø15	ø25, ø32	ø15 to ø32	ø20 to ø40	ø12 to ø20	ø25	ø32 to ø100	ø20 to ø40	ø20 to ø63	ø80, ø100	ø40 to ø100	ø125 to ø160	ø10 to ø16	ø10 to ø32	ø12 to ø20	ø25	ø32 to ø100	ø20 to ø40	ø20 to ø63	ø80 to ø100	ø32 to ø63	ø12 to ø63	ø20 to ø63	ø12, ø16, ø32 to ø63	ø20 to ø63	ø50	ø50	ø50	ø50	ø40 to ø63	ø40 to ø63	ø40 to ø63	ø40 to ø63
Solid state auto switches	D-H7																																				
	D-H7C																																				
	D-H7BAL																																				
	D-H7NF																																				
	D-H7□W																																				
	D-G5/K5																																				
	D-G5BAL																																				
	D-G59F																																				
	D-G5NTL																																				
	D-G5□W/K59W																																				
	D-G39/K39																																				
	D-G39A/K39A																																				
	D-F7/J7																																				
	D-J79C																																				
	D-F79F																																				
	D-F7BAL																																				
	D-F7BAVL																																				
	D-F7□V																																				
	D-F7NTL																																				
	D-F7□W (V)																																				
	D-F5/J5																																				
	D-F5BAL																																				
	D-F5□W/J59W																																				
	D-F59F																																				
	D-F5NTL																																				
	D-G39C/K39C																																				
	D-M9																																				
	D-M9□V																																				
	D-M9□W																																				
	D-M9□WV																																				
	D-M9□AL																																				
	D-M9□AVL																																				
	D-Y5/Y6/Y7□/Y7□V																																				
	D-Y7BAL																																				
	D-Y7□W/Y7□WV																																				
	D-M5																																				
	D-M5□W																																				
	D-M5□TL																																				
	D-P3DW□																																				
	D-P4DWL																																				
	D-F9G/H																																				
	D-Y7G/H																																				
	D-G5NBL																																				
	D-F7NJL																																				
	D-F6□																																				
	D-F8□																																				

Auto Switch Variations 2

Function	Type	Auto switch mounting style	Electrical entry	Auto switch model	Page
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The diagnostic output signal can be detected in an unsteady detecting area.

2-color indication auto switch with diagnostic output	Solid state	Band	Grommet	D-H7NF	1302
		Rail	Grommet	D-G59F	1303
		Tie-rod	Grommet	D-F79F	1304
		Tie-rod	Grommet	D-F59F	1305

Water resistant (coolant) type

Water resistant 2-color indication auto switch	Solid state	Band	Grommet	D-H7BAL	1306
		Band	Grommet	D-G5BAL	1307
		Rail	Grommet	D-F7BAL	1308
		Rail	Grommet	D-F7BAVL	
		Tie-rod	Grommet	D-F5BAL	1309
		Direct	Grommet	D-M9□A*	1310
				D-M9□AV*	
				D-Y7BAL**	1311

Hygienic type

Hygienic	Solid state	Direct	Grommet	D-F6N/F6P/F6B	1312
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With built-in OFF-delay timer (200 ms)

Auto switch with timer	Solid state	Band	Grommet	D-G5NTL	1313
		Rail	Grommet	D-F7NTL	1314
		Tie-rod	Grommet	D-F5NTL	1315
		Direct	Grommet	D-M5NTL/M5PTL	1316

Can be used in an environment where magnetic field disturbances are generated.

Magnetic field resistant auto switch	Solid state	Rail, Tie-rod, Direct	Grommet	D-P3DWSC/P3DWSE	1317-1
		Rail, Tie-rod, Direct	Grommet	D-P3DW	1317-2
		Rail	Grommet	D-P4DWSC/P4DWSE	1317-3
	Reed	Rail	Grommet	D-P4DWL	1318
		Rod	Grommet	D-P79WSE	1348
		Rod	Grommet	D-P74	1349

Can be used in a high-temperature environment (Max. 150°C).

Heat resistant auto switch	Solid state	Sensor unit: Rail Amplifier unit: DIN rail	Grommet	D-F7NJL	1319
	Reed	Band	Terminal conduit Grommet	D-B30/31/35 D-B30J/31J/35J	1351

Wide range detection type

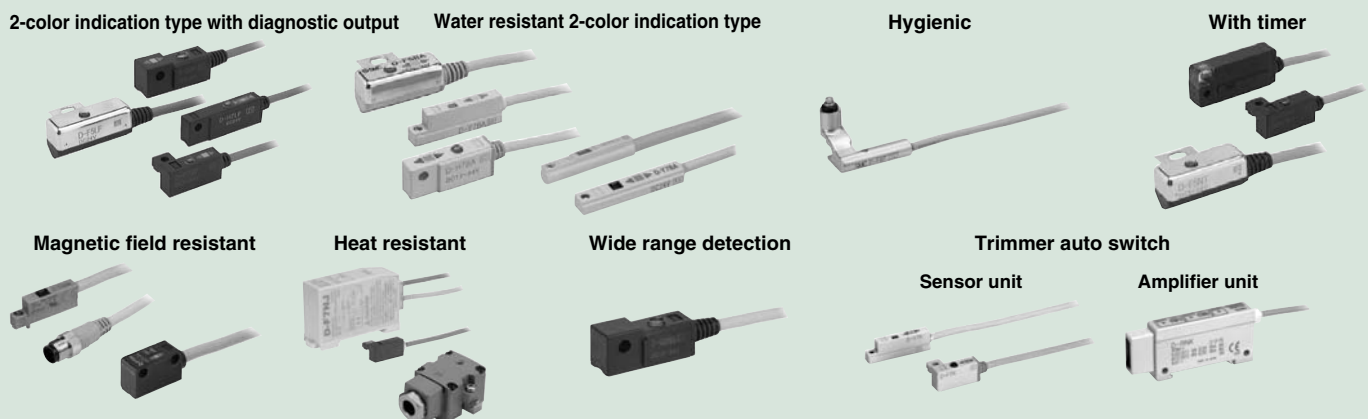
Wide range detection auto switch	Solid state	Band	Grommet	D-G5NBL	1320
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Simple workpiece recognition is possible.

Trimmer auto switch	Solid state	Rail Direct	Grommet	D-F7K/Y7K (D-RNK/RPK is required.)	1321
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* These auto switches can be mounted with a band (except D-M9□WV and M9□AVL), a rail, a tie-rod or a square groove when auto switch mounting brackets are used. Refer to pages 1356, 1360, 1364, 1368 and 1369 for details.

** These auto switches can be mounted with a tie-rod when auto switch mounting brackets are used. Refer to page 1367 for details.



Solid State Auto Switches

General Purpose Type, 2-Color Indication Type, 2-Color Indication Type with Diagnostic Output, Water Resistant 2-Color Indication Type, Hygienic Type, Timer Equipped Type, Magnetic Field Resistant Type, Heat Resistant Type, Wide Range Detection Type, Trimmer Auto Switch

Type	Function	Auto switch mounting style	Electrical entry	Auto switch model	Page
Solid State Auto Switch	General purpose	Band	Grommet	D-H7A1/H7A2/H7B	1278
			Connector	D-G59/G5P/K59	1279
			Terminal conduit	D-H7C	1280
		Rail	Grommet	D-G39/K39	1281
			Connector	D-G39A/K39A	1282
			Terminal conduit	D-F79/F7P/J79	1283
		Tie-rod	Grommet	D-F7NV/F7PV/F7BV	1284
			Connector	D-J79C	1285
			Grommet	D-F59/F5P/J59/J51	1286
		Direct	Terminal conduit	D-G39C/K39C	1287
			Grommet	D-M9N/M9P/M9B	1288
			Grommet	D-M9NV/M9PV/M9BV	1289
			Grommet	D-F8N/F8P/F8B	1289
			Grommet	D-F9G/F9H (Normally closed)	1290
			Grommet	D-Y59A/Y59B/Y7P	1291
			Grommet	D-Y69A/Y69B/Y7PV	1291
			Grommet	D-Y7G/Y7H (Normally closed)	1292
			Grommet	D-M5N/M5P/M5B	1293
	2-color indication	Band	Grommet	D-H7NW/H7PW/H7BW	1294
			Grommet	D-G59W/G5PW/K59W	1295
			Grommet	D-F79W/F7PW/J79W	1296
		Rail	Grommet	D-F7NWV/F7BWV	1297
			Grommet	D-F59W/F5PW/J59W	1298
			Grommet	D-M9NW/M9PW/M9BW	1299
		Tie-rod	Grommet	D-M9NWV/M9PWV/M9BWV	1299
			Grommet	D-Y7NW/Y7PW/Y7BW	1300
			Grommet	D-Y7NWV/Y7PWV/Y7BWV	1300
	2-color indication with diagnostic output	Band	Grommet	D-H7NF	1302
			Grommet	D-G59F	1303
			Grommet	D-F79F	1304
	Water resistant 2-color indication	Band	Grommet	D-F59F	1305
			Grommet	D-H7BAL	1306
			Grommet	D-G5BAL	1307
		Rail	Grommet	D-F7BAL	1308
			Grommet	D-F7BAVL	1308
			Grommet	D-F5BAL	1309
		Direct	Grommet	D-M9PA/M9NA/M9BA	1310
			Grommet	D-M9PAV/M9NAV/M9BAV	1311
	Hygienic	Direct	Grommet	D-Y7BAL	1311
			Grommet	D-F6N/F6P/F6B	1312
	With timer	Band	Grommet	D-G5NTL	1313
			Grommet	D-F7NTL	1314
			Grommet	D-F5NTL	1315
			Grommet	D-M5NTL/M5PTL	1316
	Magnetic field resistance	Rail, Tie-rod, Direct	Grommet	D-P3DWSC/P3DWSE	1317-1
			Grommet	D-P3DW	1317-2
			Grommet	D-P4DWSC/P4DWSE	1317-3
			Grommet	D-P4DWL	1318
	Heat resistant	Sensor section: Rail Amplifier section: DIN rail	Grommet	D-F7NJL	1319
			Grommet	D-F7NJL	1319
	Wide range detection	Band	Grommet	D-G5NBL	1320
			Grommet	D-G5NBL	1320
	Trimmer Auto Switch	Rail	Grommet	D-F7K/Y7K	1321
			Grommet	D-F7K/Y7K	1321