# Wide Range Detection Type Solid State Auto Switch: Band Mounting Type

**D-G5NB** 



# **Auto Switch Specifications**

Refer to SMC website for the details of the products conforming to the international standards.

PLC: Programmable Logic Controller

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D-G5NB (With indicator light)					
Auto switch model	D-G5NB				
Wiring type	3-wire				
Output type	NPN				
Applicable load	Relay, PLC				
Power supply voltage	12, 24 VDC (10 to 28 VDC)				
Current consumption	12 mA or less				
Load voltage	10 to 28 VDC or less				
Load current	40 mA or less				
Internal voltage drop	0.4 V or less				
Leakage current	100 μA at 24 VDC				
Indicator light	Red LED illuminates when turned ON.				
Standard	CE marking, RoHS				

#### Oilproof Heavy-duty Lead Wire Specifications

Auto switch model Sheath Outside diameter [mm]		D-G5NB	
		ø4	
Inculator	Number of cores	3 cores (Brown/Blue/Black)	
Insulator	Outside diameter [mm]	ø1.22	
Conductor	Effective area [mm²]	0.3	
Conductor	Strand diameter [mm]	ø0.08	
Minimum bending radius [mm] (Reference values)		24	

Note 1) Refer to page 1584 for solid state auto switch common specifications. Note 2) Refer to page 1584 for lead wire lengths.

# Applicable Cylinders

Cylinder series	Bore size (mm)		
CDM2-Z, CDM2, CDBM2, CDVM3, CDVM5, CDLM2, CDLG1, MLGC	20, 25, 32, 40		
CDG1-Z, CDG1	20, 25, 32, 40, 50, 63, 80, 100		
CDA2-Z, CDA2, CDBA2, CDV3, CDVS1, CDL1	40, 50, 63, 80, 100		
MGC, MGG	20, 25, 32, 40, 50		

#### **Operating Range**

Cylinder series	Bore size (mm)							
Cylinder series	20	25	32	40	50	63	80	100
Mountable models	35	40	40	45	45	45	45	50

Note) The operating range above indicates average values at room temperature including hysteresis (assuming approximately ±30% dispersion).

#### Grommet

- Wide range detection type
- Easy intermediate detection



### **∆**Caution

#### Precautions

The operating range is common for all cylinder series, but it may vary depending on bore sizes.

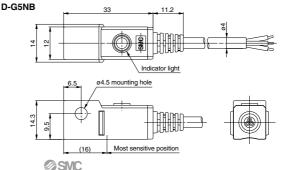
#### Weight

(g)

Auto swi	D-G5NB		
Lead wire length	3 m ( <b>L</b> )	79	
	5 m ( <b>Z</b> )	125	

## **Dimensions**

(mm)



<sup>\*</sup> Refer to page 520 for CDA2 and CDBA2.