

Wide Range Detection Type Solid State Auto Switch: Band Mounting Type D-G5NB



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

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 switch model	D-G5NB	
Lead wire length	3 m (L)	79
	5 m (Z)	125

Auto Switch Specifications

PLC: Programmable Logic Controller

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 μ A at 24 VDC
Indicator light	Red LED illuminates when turned ON.
Standard	CE marking, RoHS

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-G5NB
Sheath	Outside diameter (mm)	ϕ 4
Insulator	Number of cores	3 cores (Brown/Blue/Black)
	Outside diameter (mm)	ϕ 1.22
Conductor	Effective area (mm ²)	0.3
	Strand diameter (mm)	ϕ 0.08
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)							
	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 \pm 30% dispersion).

* Refer to page 520 for CDA2 and CDBA2.

Dimensions

(mm)

D-G5NB

