

 Contact our sales office for delivery dates and prices as this is a special model.

SP135M-018E
P: RW

 **P.G.Information**(Specialized Product)

Water resistant 2-color indication type Solid state auto switch: Direct mounting style D-M9BA*-881



SMC CORPORATION
4-14-1,SOTO-KANDA, CHIYODA-KU,
TOKYO 101-0021, JAPAN
URL: <http://www.smcworld.com>

- Features : Equivalent to D-F9BAL (3m lead wire)/D-F9BAZ (5m lead wire)
Compatible with round groove mounting

■ Specifications

Specifications

PLC: Programmable Logic Controller

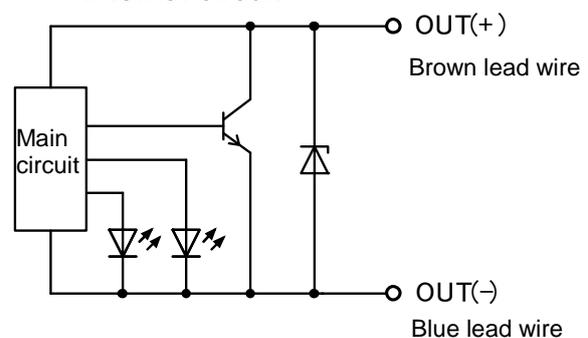
Auto switch model	D-M9BAL-881	D-M9BAZ-881
Wiring	2-wire	
Applicable load	Relay / PLC	
Load voltage	24 VDC (20 to 28 VDC)	
Load current	5~30 mA	
Internal voltage drop	5 V or less	
Current leakage	1 mA or less	
Operating time	1 ms or less	
Indication light	Operating range: The red LED lights up. Proper operating range: The green LED lights up.	
Electrical entry	Grommet	
Length of lead wire	3 m	5 m
Impact proof	1000 m/s ²	
Insulation resistance	50 MΩ or more under the test voltage 500 VDC (between case and cable)	
Withstand voltage	1000 VAC 1min (between case and cable)	
Ambient temperature	-10 to 60 °C	
Enclosure	IEC60529 criteria IP67	
Standards	CE RoHS	
Mass	37 g	57 g



Lead Wire Specifications

Auto switch model		D-M9BA*-881
Sheath	O.D.[mm]	φ2.7
Insulator	Number of cores	2cores (Brown/Blue)
	O.D.[mm]	φ0.96
Conductor	Effective area [mm ²]	0.18
	Strand diameter [mm]	φ0.08
Minimum bending radius [mm] (Reference values)		17

Internal circuit



Applicable Cylinder and Operation Range

(mm)

Series	Bore size														
	12	16	20	25	32	40	50	63	80	100	125	140	160	180	200
CDQ2-Z	4	5	6	6	6	5.5	6	6.5	6.5	8	9	8.5	9	8.5	9
MGP-Z	3.5	5	5.5	5	6	6	6	6.5	6	7	-	-	-	-	-
MDU-Z	-	-	-	4	4	4	3.5	3.5	-	-	-	-	-	-	-

Note: Please contact our sales for the compatibility with the other cylinder/actuator models.

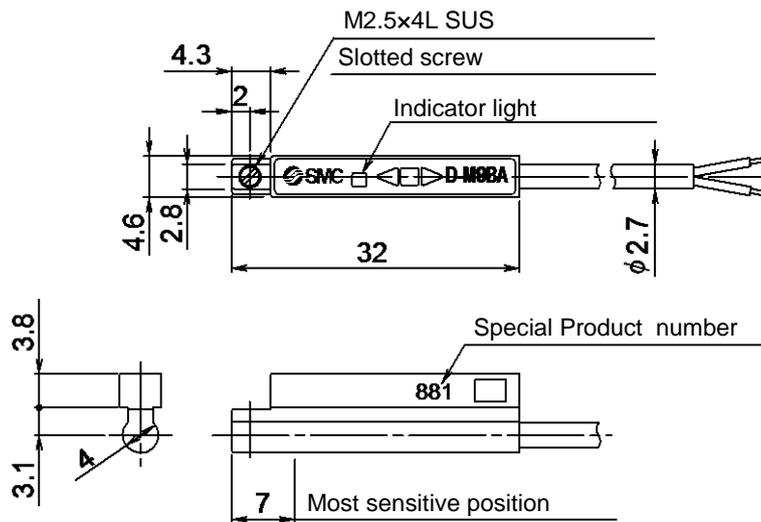
Please also contact our sales for the minimum applicable stroke since it is subject to change depending on the cylinder/actuator model.

These switches are applicable to the above cylinder models. However, this does not guarantee their water resistant capabilities.

It is not for guarantee but measure including hysteresis. (Dispersion is approx. $\pm 30\%$)

It might be changed drastically depending on the ambient.

■ Dimensions (mm)



 Caution To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.