Water Resistant 2-Color Indication Type Solid State Auto Switch: Direct Mounting Style D-M9NA(V)/D-M9PA(V)/D-M9BA(V) (ROHS)

Grommet

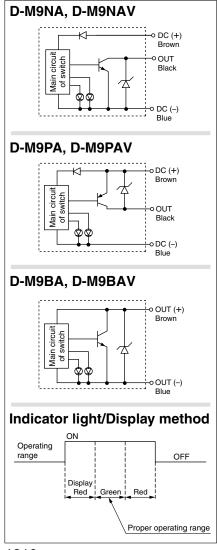
- Water (coolant) resistant type
- 2-wire load current is reduced (2.5 to 40 mA).
- The proper operating range can be determined by the color of the light. (Red → Green ← Red)
- Using flexible cable as standard spec.



Precautions

Fix the auto switch with the existing screw installed on the auto switch body. The auto switch may be damaged if a screw other than the one supplied is used.

Auto Switch Internal Circuit



Auto Switch Specifications

PLC: Programmable Logic Controller

D-M9□A, D-M9□AV (With indicator light)								
Auto switch model	D-M9NA	D-M9NAV	D-M9PA	D-M9PAV	D-M9BA	D-M9BAV		
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular		
Wiring type	3-wire			2-wire				
Output type	NF	PN	PNP		_			
Applicable load	IC circuit, Relay, PLC			24 VDC relay, PLC				
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)				_			
Current consumption	10 mA or less			_				
Load voltage	28 VD0	C or less	_		24 VDC (10 to 28 VDC)			
Load current	40 mA or less			2.5 to 40 mA				
Internal voltage drop	0.8 V or less at 10 mA (2 V or less at 40 mA)			4 V or less				
Leakage current	100 μA or less at 24 VDC			0.8 mA or less				
Indicator light	Operating range Red LED illuminates. Proper operating range Green LED illuminates.							
Standard	CE marking							

 Lead wires — Oilproof flexible heavy-duty vinyl cord: ø2.7 x 3.2 ellipse, 0.15 mm², 2 cores (D-M9BA(V)), 3 cores (D-M9NA(V), D-M9PA(V))

Note 1) Refer to page 1272 for solid state auto switch common specifications.

Note 2) Refer to page 1272 for lead wire lengths.

Mass (g)

Auto switch model		D-M9NA(V)	D-M9PA(V)	D-M9BA(V)	
Lead wire length (m)	0.5	8	8	7	
	1	14	14	13	
	3	41	41	38	
	5	68	68	63	

Dimensions (mm)

