

ATEX Compliant

ATEX Compliant 2-Colour Solid State Switch: Direct Mounting Series *D-M9NW(V)/D-M9PW(V)/D-M9BW(V)-588*



CE Ex II 3G Ex nA II T5 X -10 °C Ta +60 °C
II 3D tD A22 IP67 T93 °C X

Grommet



Note) All other specifications (dimensions, drawings, etc.) are the same as the non ATEX type.

Auto Switch Specifications

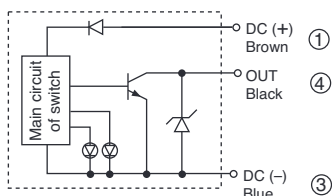
PLC: Programmable Logic Controller

D-M9□W/D-M9□WV (With 2 colour indicator light)						
Auto switch part no.	D-M9NW	D-M9NWV	D-M9PW	D-M9PWV	D-M9BW	D-M9BWV
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular
Wiring type	3-wire				2-wire	
Output type	NPN		PNP		—	
Applicable load	IC circuit, Relay, PLC				24 V DC relay, PLC	
Power supply voltage	5, 12, 24 V DC (4.5 to 28 V)				—	
Current consumption	10 mA or less				—	
Load voltage	28 V DC or less		—		24 V DC (10 to 28 V DC)	
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 V DC				0.8 mA or less	
Indicator light	Operating position Red LED illuminates.					
	Optimum operating position Green LED illuminates.					

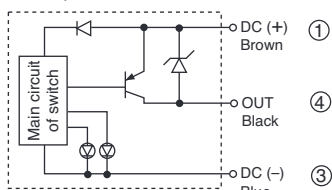
● This category 3 type autoswitch can only be used in zones 2 and 22.

Auto Switch Internal Circuit

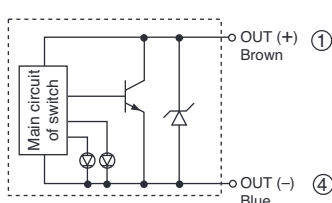
D-M9NW, D-M9NWV



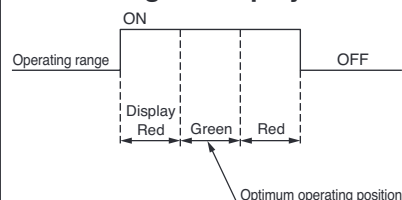
D-M9PW, D-M9PWV



D-M9BW, D-M9BWV



Indicator light / Display method



Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-M9NW□	D-M9PW□	D-M9BW□
Sheath	Outside diameter [mm]	2.7 x 3.2 (ellipse)		
Insulator	Number of cores	3 cores (Brown/Blue/Black)		2 cores (Brown/Blue)
	Outside diameter [mm]	Ø 0.9		
Conductor	Cross section [mm²]	0.15		
	Strand diameter [mm]	Ø 0.05		
Minimum bending radius [mm] (Reference)		20		

How to Order

D-M9 N W V L -588	
Auto switch part number	2 colour display
Wiring/Output type	Suffix for ATEX certified category 3
Electrical entry direction	Lead wire length
N 3-wire NPN	— 0.5 m
P 3-wire PNP	M 1 m
B 2-wire	L 3 m
— In-line	Z 5 m
V Perpendicular	SAPC 0.5 m + M8 - 3 pins pre-wired connector
	MAPC 1 m + M8 - 3 pins pre-wired connector
	SBPC 0.5 m + M8 - 4 pins pre-wired connector
	MBPC 1 m + M8 - 4 pins pre-wired connector
	SDPC 0.5 m + M12 - 4 pins pre-wired connector
	MDPC 1 m + M12 - 4 pins pre-wired connector

Connector Specifications

Connector type	M8-3 pins	M8-4 pins	M12-4 pins
Pin arrangement			