Solid State Switch/Direct Mounting Type D-F9N(V)/D-F9P(V)/D-F9B(V)

Grommet



Applicable rotary actuator series

Series	Size	Auto switch adjustment		
MSQ	10, 20, 30, 50, 70, 100, 200	Refer to p.1.6-6		

Applicable air gripper series

Series	Size	Auto switch setting example		
MHZ2	10, 16, 20, 25	Refer to p.2.10-1		
MHZJ2	10, 16, 20, 25	Refer to p.2.10-1		
MDHR	10, 15, 20, 30	Refer to p.2.10-5		
MHK2	12, 16, 20, 25	Refer to p.2.10-1		
MHS	16, 20, 25	Refer to p.2.10-9		
MHT2	32, 40, 50, 63	Refer to p.2.10-1		
MHY2	10, 16, 20, 25	Refer to p.2.10-11		
MRHQ	10, 16	Refer to p.2.10-13		

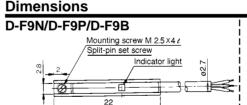
Auto switch specifications

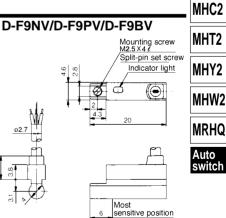
PLC: Programmable Logic Controller

D-F9□/D-F9□V	′ (With in	dicator I	ight)				
Auto switch model no.	D-F9N	D-F9NV	D-F9P	D-F9PV	D-F9B	D-F9BV	
Electrical entry	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular	
Wiring		3 wire			2 wire		MHZ2
Output	NPN type		PNP type		_		
Application	IC circuit, Relay, PLC						MHZJ2
Power voltage	:	5, 12, 24V DO	C (4.5 to 28∖	_			
Current consumption	8mA or less		10mA or less		_		MHQ
Load voltage	28V DC or less		_		24V DC (10 to 28V DC)		
Load current	40mA or less		80mA or less		5 to 40mA		MHL2
Internal voltage drop	1.5V or less (0.8V or less at load current 10mA)		0.8V or less		4V or less		MHR
							MHK
Leakage current	100μA or less at 24V DC			1mA or less at 24V DC			
Indicator light ON: Red light emitting diode							MHS
Lead wire		heavy insulation, blue) 0.18mm	² , 0.5m	3 wire (brown,	, ,	.15mm²,	

Note 1) Refer to p.2.11-5 for common specifications of solid state switch.

Note 2) Refer to p.2.11-5 for lead wire length.





Specific Product Precautions

Be sure to read before handling.

Most sensitive position

- Refer to p.0-20 and 0-21 for Safety Instructions and common precautions
- on the products mentioned in this catalog, and refer to p.2.11-2 to 2.11-4 for detailed precautions on every series.

▲ Caution

Do not use set screw which is not attached to auto switch body. If it is used, the switch may damage. 2.11-25

Auto switch internal circuit

(): Before IEC standard

