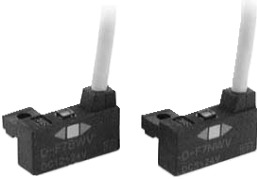


# 2-Color Indicator Solid State Auto Switch Rail Mounting Type D-F7NWV/D-F7BWV



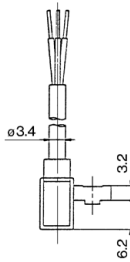
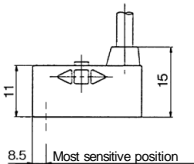
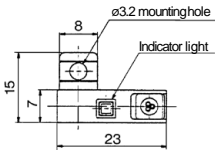
## Grommet Electrical entry: Perpendicular

The proper operating range can be determined by the color of the light.  
(Red → Green ← Red)



## Dimensions

(mm)



## Auto Switch Specifications

PLC: Programmable Logic Controller

D-F7□WV (With indicator light)		
Auto switch model	D-F7NWV	D-F7BWV
Wiring type	3-wire	2-wire
Output type	NPN	—
Applicable load	IC circuit, Relay, PLC	24 VDC Relay, PLC
Power supply voltage	5, 12, 24 VDC (4.5 to 28 VDC)	—
Current consumption	10 mA or less	—
Load voltage	28 VDC or less	24 VDC (10 to 28 VDC)
Load current	40 mA or less	5 to 40 mA
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA load current)	4 V or less
Leakage current	100 $\mu$ A or less at 24 VDC	0.8 mA or less at 24 VDC
Indicator light	Operating range ..... Red LED illuminates. Proper operating range ..... Green LED illuminates.	
Standard	CE/UKCA marking	

## Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-F7NWV	D-F7BWV
Sheath	Outside diameter [mm]	ø3.4	
	Number of cores	3 cores (Brown/Blue/Black)	2 cores (Brown/Blue)
Insulator	Outside diameter [mm]	ø1.1	
	Effective area [mm <sup>2</sup> ]	0.2	
Conductor	Strand diameter [mm]	ø0.08	
	Minimum bend radius [mm] (Reference value)	21	

Note 1) Refer to page 1584 for solid state auto switch common specifications.

Note 2) Refer to page 1584 for lead wire lengths.

## Weight

(g)

Auto switch model		D-F7NWV	D-F7BWV
Lead wire length	0.5 m (Nil)	13	11
	3 m (L)	57	50
	5 m (Z)	92	81