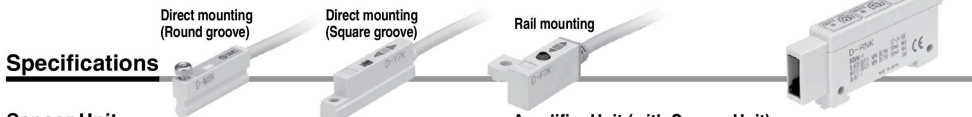


Trimmer Auto Switch



D-M9K/D-□7K/D-R□K Series



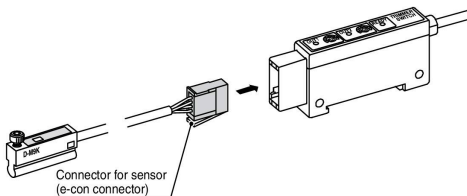
Specifications

Sensor Unit

Auto switch model	D-M9K	D-Y7K	D-F7K
Mounting	Direct mounting (Round groove)	Direct mounting (Square groove)	Rail mounting
Applicable amplifier unit	D-RNK, D-RPK		
Indicator lamp	Red lights ON at sensitive position, Green lights ON at optimum detecting position.		
Electrical entry	Grommet		
Impact resistance	980 m/s ²		
Insulation resistance	50 MΩ or more (500 VDC measured via megohmmeter) between lead wire and case		
Withstand voltage	1000 VAC for 1 minute (between lead wire and case)		
Ambient temperature	-10 to 60°C		
Enclosure	IP67		
Weight (with connector)	55 g		58 g
Standard	CE Marking		

Oilproof Heavy-duty Cable

Auto switch model	D-M9K	D-Y7K	D-F7K
Sheath	Outside diameter [mm]	ø3.5	
Insulator	Number of cores	4 cores (Brown/Blue/Black/White)	
	Outside diameter [mm]	ø1.0	
Conductor	Effective area [mm ²]	0.15 (AWG26)	
	Strand diameter [mm]	ø0.08	
Minimum bending radius [mm] (Reference value)		21	

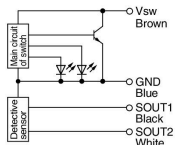


Note) The connector for sensor (e-con connector) is not attached to the lead wire. It will be supplied loose in the same shipment (1 pc.).

Internal Circuit

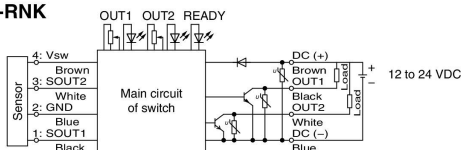
Sensor Unit

D-M9K/D-□7K

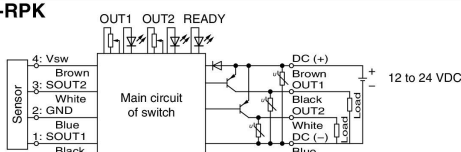


Amplifier Unit

D-RNK



D-RPK



Amplifier Unit (with Sensor Unit) PLC: Programmable Logic Controller

Model	D-RNK	D-RPK
Applicable sensor unit	D-M9K, D-Y7K, D-F7K	
Application	For relay and PLC	
Power supply voltage	12 to 24 VDC	
Current consumption	40 mA or less	
Output specification	NPN open collector 2 outputs	PNP open collector 2 outputs
Load voltage	28 VDC or less	—
Load current	80 mA or less/1 output	
Internal voltage drop	1.5 V or less	
Leakage current	100 μA or less/1 output	
Response time	1 ms or less	
Indicator lamp	READY: Red lights ON when the piston position detected (with sensor unit). OUT1: Green lights ON when turned ON. OUT2: Orange lights ON when turned ON.	
Electrical entry	Connection to sensor	e-con connector
Power supply/output cable		Grommet
Impact resistance	98 m/s ²	
Insulation resistance	50 MΩ or more (500 VDC measured via megohmmeter) between lead wire and case	
Withstand voltage	1000 VAC for 1 minute (between lead wire and case)	
Ambient temperature	-10 to 60°C	
Enclosure	IP40	
Weight	70 g	
Standard	CE Marking	

Oilproof Heavy-duty Cable

Model	D-RNK	D-RPK
Sheath	Outside diameter [mm]	ø3.5
Insulator	Number of cores	4 cores (Brown/Blue/Black/White)
	Outside diameter [mm]	ø1.0
Conductor	Effective area [mm ²]	0.15 (AWG26)
	Strand diameter [mm]	ø0.08
Minimum bending radius [mm] (Reference value)		21