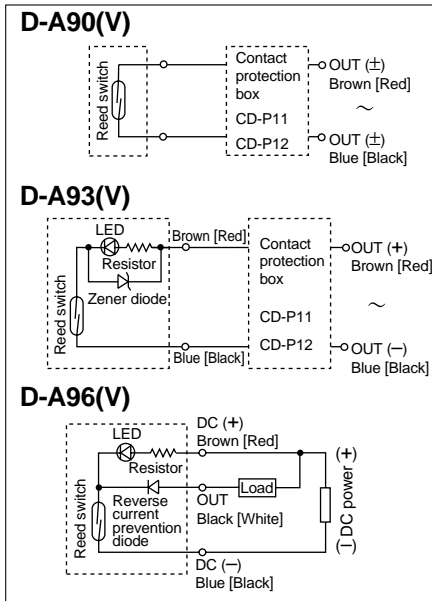


Reed Switches/Direct Mount Type D-A90(V), D-A93(V), D-A96(V)



Auto Switch Internal Circuits

Lead wire colors inside () are those prior to conformity with IEC standards.



Auto Switch Specifications

Auto switch part no.	D-A90	D-A90V	D-A93	D-A93V	D-A96	D-A96V
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular
Wiring type	2 wire			3 wire		
Applicable load	IC circuit, Relay, PLC		Relay, PLC		IC circuit	
Load voltage / Load current range and Max. load current	24V ^{AC} _{DC} or less/50mA 48V ^{AC} _{DC} or less/40mA 100V ^{AC} _{DC} or less/20mA		24VDC/5 to 40mA 100VAC/5 to 20mA		4 to 8VDC/20mA	
Contact protection circuit	None					
Internal voltage drop	0		2.6V or less		0.8V or less	
Indicator light	None		Red LED lights when ON			

- Lead wire** Oil resistant heavy duty vinyl cord, $\phi 2.7$, 0.5m
 D-A90(V), D-A93(V) 0.18mm² x 2 cores (Brown, Blue [Red, Black])
 D-A96(V) 0.15mm² x 3 cores (Brown, Black, Blue [Red, White, Black])
- Insulation resistance** 50M Ω or more at 500VDC (between lead wire and case)
- Withstand voltage** 1000VAC for 1min. (between lead wire and case)
- Operating time** 12ms
- Ambient temperature** -10 to 60°C
- Impact resistance** 300m/s² (30.6G)
- Leakage current** 0
- Enclosure** IEC529 standard IP67 (JISCO920) Watertight type
- For 3 meter lead wire, L is added to end of part number.**
 Example) D-A90L

Auto Switch Weights

Type	D-A90	D-A90V	D-A93	D-A93V	D-A96	D-A96V
Lead wire length 0.5m	8	8	8	8	8	8
Lead wire length 3m	41	41	41	41	41	41

(g)

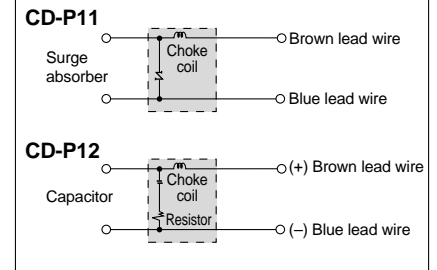
Contact Protection Boxes

Type D-A9 switches do not have internal contact protection circuits. Use a contact protection box with an induction load, when lead wires are 5 meters or longer, and with 100VAC.

Part no.	Voltage	Lead wire length
CD-P11	100VAC	Switch connection side 0.5m
CD-P12	24VDC	Load connection side 0.5m

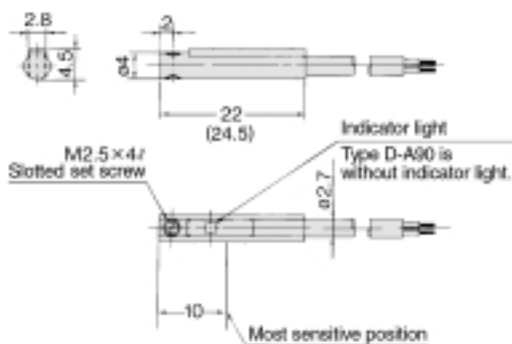
Since D-A90(V) switches have no particular specified voltage below 100VAC, select a model based on the voltage being used.

Contact protection box internal circuits

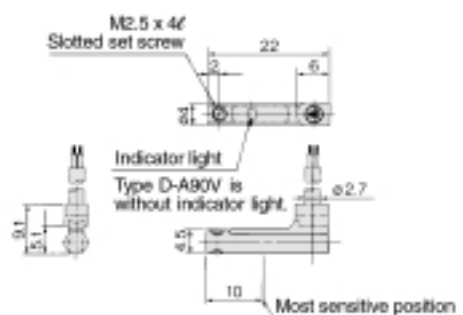


Auto Switch Dimensions

D-A90, D-A93, D-A96



D-A90V, D-A93V, D-A96V



Type D-A93 dimensions are shown inside ().