

# NDS series

Standard profile • dual in line switches



## DISTINCTIVE FEATURES

1 to 12 Way

Self-cleaning wiping contacts

Gold plated terminals

Spray washable with tape seal



## ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature: -40 °C to +85 °C (-40 °F to +185 °F)
- Storage Temperature: -40 °C to +85 °C (-40 °F to +185 °F)
- Spray washable (with tape seal)



## ELECTRICAL SPECIFICATIONS

- Max. Current/Voltage Rating:
  - Switching: 25 mA 24 VDC
  - Contact rating: 100 mA 50 VDC
- Initial Contact Resistance: 50 mΩ max
- Insulation Resistance: 100 MΩ min. at 500 VDC
- Dielectric Strength: 500 VAC min.
- Electrical Life: 2,000 cycles



## MECHANICAL SPECIFICATIONS

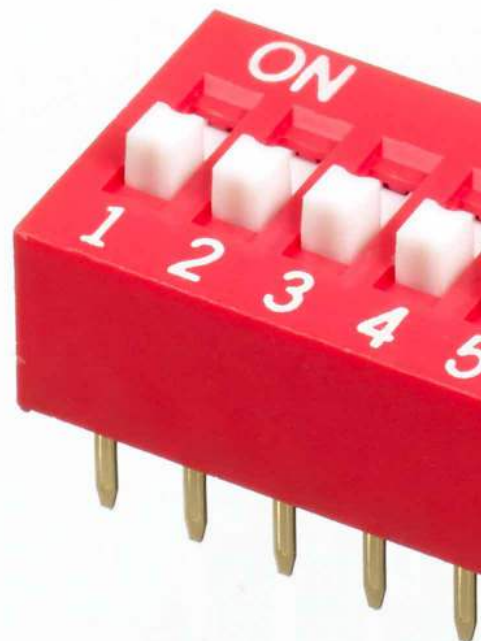
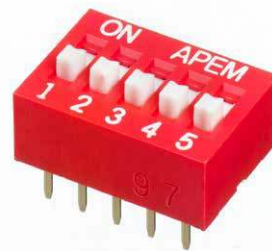
- Operating force: 1,000 gf (9.8 N) max



## MATERIALS

- Case & Actuator: PBT
- Base: PA66
- Contact: Gold plated
- Terminal: Gold plated brass
- Protection tape: Polyimide

The company reserves the right to change specifications without notice.



# NDS series

Standard profile • dual in line switches



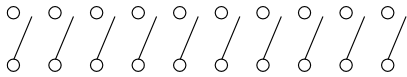
## PACKAGING

IC TUBE THROUGH-HOLE

Number of ways	No tape seal	With tape seal
1	120 pcs	110 pcs
2	72 pcs	70 pcs
3	51 pcs	50 pcs
4	40 pcs	39 pcs
5	32 pcs	
6	27 pcs	
7	24 pcs	
8	21 pcs	
9	19 pcs	
10	17 pcs	
12	14 pcs	



## CIRCUIT

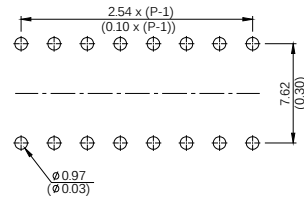


2,3,4,5,6,7,8,9,10,12 way only



## PCB LAYOUT

THROUGH-HOLE





## BUILD YOUR PART NUMBER

NDS

SERIES

ACTUATOR

NUMBER OF WAYS

TAPE SEAL

COMPLIANCE

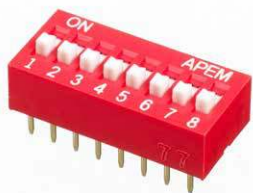
Blank	Raised
R	Recessed

01	One way	07	Seven way
02	Two way	08	Eight way
03	Three way	09	Nine way
04	Four way	10	Ten way
05	Five way	12	Twelve way
06	Six way		

Blank	No tape seal
T	Tape seal

V	RoHS
---	------

## 8 WAY - STANDARD PROFILE WITH RAISED ACTUATORS



Number of ways	Dimension A	Dimension B
1	3.90 (0.15)	NA
2	6.44 (0.25)	2.54 (0.1)
3	8.98 (0.35)	5.08 (0.2)
4	11.52 (0.45)	7.62 (0.3)
5	14.06 (0.55)	10.16 (0.4)
6	16.60 (0.65)	12.70 (0.5)
7	19.14 (0.75)	15.24 (0.6)
8	21.68 (0.85)	17.78 (0.7)
9	24.22 (0.95)	20.32 (0.8)
10	26.76 (1.05)	22.86 (0.9)
12	31.84 (1.25)	27.94 (1.1)

