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| FEATURES |  |  |  |
| - .315"(8mm) wide pushwheel switches with extra large visible readout characters |  |  |  |
| - Bi-directional snap action detent pushbutton mechanism |  |  |  |
| - Black housing and drum with white printing |  |  |  |
| - Gangable front mounting models with spacers and side covers |  |  |  |
| - Gold wiping action contacts |  |  |  |
| - PC board options include solderable lands |  |  |  |
| DPS9 SPECIFICATIONS |  | MATERIALS |  |
| Panel mounting hole: |  | Body: | PPO |
| Height | $1.300 \text { "(33mm) }$ |  |  |
| Width | .315"(8mm) | PC board: | FR 4 DIN 40802 |
| Installed depth with pc board: |  |  | IEC 249-2, Contact |
| Short | 1.535"(39mm) |  | surface gold over |
| Long | 1.968 "(50mm) |  | nickel on copper |
| Insertion from front | yes |  |  |
| Insertion from rear | no | Sliding contact: | Gold over nickel on copper alloy |
| CODES |  |  |  |
| Code positions marking |  | STANDARD COLORS |  |
| 111 Decimal 10 0-9 | see truth tables | Housing, Drum, Printing |  |
| 131 BCD 10 0-9 | see truth tables | 2 = black 3 = white | 2,2,3 |
| 137 BCD comp 10 0-9 | see truth tables |  |  |
| 141 BCD + comp $10 \quad 0-9$ | see truth tables |  |  |
| 301 Hexadecimal $160-9, A-F(0-15)$ | see truth tables |  |  |
| 307 Hexadec comp 16 0-9, A-F(0-15) | see truth tables |  |  |
| 400 change-over 10 +,-,+,-,etc.. | see truth tables |  |  |
| ELECTRICAL DATA |  |  |  |
| Operating voltage: | 40 V max. |  |  |
| Contact load, static: | 1 A max. | Other special features are available upon |  |
| Contact load, dynamic: Contact resistance (type AK): | 100 mA max. <br> less than 100 mOhm | request including: |  |
| TECHNICAL DATA |  | Factory or customer set stops (10 digit models) |  |
| Operating temperature range: | $-20^{\circ} \mathrm{C}$ to $80^{\circ} \mathrm{C}$ | LED illumination (transparent drum) |  |
| Electric life, min. switching cycles | greater than 1,000,000 | Red digits |  |
| Actuation force, approx (oz.): | 16 | Decimal point |  |
| Weight, approx. (grams): |  | Special codes or printing |  |
| Character ht: 10 digit - .268" (6.8mm) | 16 digit - .169" (4.3mm) | Gray housing |  |
| Audible click | yes |  |  |
| Vibration DIN EN 60068-2-6 | yes | See sockets at end of Pushwheel section. |  |
| Shock DIN EN 60068-2-27 | yes |  |  |



## DPS9 SERIES PUSHWHEEL SWITCHES

## PRINTED CIRCUIT OPTIONS

PC boards have . $039^{\prime \prime}(1 \mathrm{~mm})$ holes and are suitable for soldering or socket connection (with the exception of LED illumination option).


AK short pc board


AL long pc board Allows customer to add resistors, diodes, etc.

Ordering information: Below is an order format that enables you to 'build your own switch' and specify the correct switch model number by simply selecting from available options shown and filling in the boxes. Consult factory for fully assembled switches.
'BUILD YOUR OWN SWITCH' ORDER FORMAT



DPS9L2 Dummy housing


DPS910PB2 Pair of side covers


DPS910A2 Spacer

DPS9L2
Dummy
switches
These are empty plastic housings with the same dimensions as DPS9 model (see outline). Use to fill hole where switch is not needed.

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