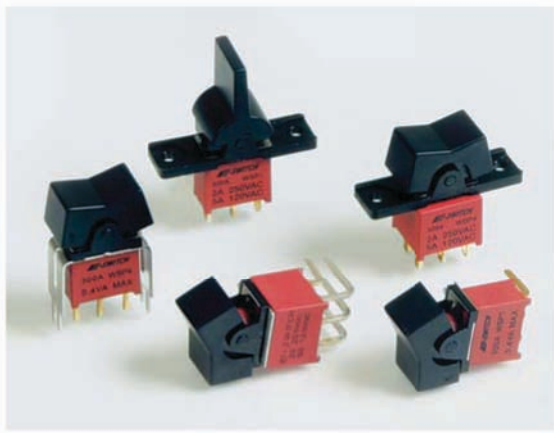


TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP.  
OPTIONS

# SERIES 300A SWITCHES

## ROCKER AND PADDLE SWITCHES - MINIATURE



### FEATURES & BENEFITS

- ▶ Multiple rocker & paddle options
- ▶ Multiple termination options
- ▶ Sealed to IP67

### APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Instrumentation
- ▶ Test equipment
- ▶ Networking
- ▶ Computer peripherals

### SPECIFICATIONS

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| Contact Rating:        | Dependent upon contact material                                                   |
| Life Expectancy:       | 30,000 make-and-break cycles at full load                                         |
| Contract Resistance:   | 10 mΩ typ. initial @ 2-4 V DC, 100 mA<br>for both silver and gold plated contacts |
| Insulation Resistance: | 1,000 MΩ min.                                                                     |
| Dielectric Strength:   | 1,000 V RMS @ sea level                                                           |
| Operating Temperature: | -30° C to 85° C                                                                   |

### MATERIALS

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Housing:                           | Glass filled nylon, flame retardant, heat stabilized (UL 94-V0). |
| Actuator:                          | Nylon, black std. (UL 94-HB)                                     |
| Actuator Seal:                     | Internal O-Ring                                                  |
| Switch Support:                    | Brass or steel, tin plated                                       |
| Actuator Pivot & Mounting Bracket: | Nylon (UL 94-HB)                                                 |
| Actuator Pivot Retainer:           | Stainless steel                                                  |
| Contacts / Terminals:              | Silver or gold plated copper alloy                               |
| Terminal Seal:                     | Epoxy                                                            |



### HOW TO ORDER

| SERIES<br>300A | MODEL NO.<br>[ ][ ][ ][ ]                                                    | ACTUATOR<br>[ ][ ][ ]                         | COLOR<br>[ ][ ][ ]                  | TERMINATION<br>[ ][ ] | CONTACT MATERIAL<br>[ ] | SEAL<br>E                                     |
|----------------|------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------|-----------------------|-------------------------|-----------------------------------------------|
|                | WSP1<br>WSP2<br>WSP3<br>WSP4<br>WSP5<br>WDP1<br>WDP2<br>WDP3<br>WDP4<br>WDP5 | <u>Panel Mount:</u><br>R1<br>R2<br>R11<br>R16 | BLK =Black<br>RED =Red<br>WHT=White | M1<br>M3              | Q = Silver<br>R = Gold  | E = Epoxy<br>Sealed at<br>Base of<br>Terminal |

(See Above  
Model No.  
Options)

#### P.C. Mount:

J1  
J2  
J3  
J4  
J5  
J6

BLK =Black  
RED =Red  
WHT=White

M2  
M6  
M7  
VS2  
VS3  
M61  
VS21

Q = Silver  
R = Gold

E = Epoxy  
Sealed at  
Base of  
Terminal



### Example Ordering Number

300A-WSP5-R11-WHT-M1-Q-E

Specifications subject to change without notice.

#### Actuator & Frame Colors:

Black, White, Red

Consult E-Switch for other colors and custom actuator marking.



E-SWITCH®

## MODEL NUMBER OPTIONS

## SPDT



2 Comm.  
1 3

SCHEMATIC



| Model No.   | POS 1 | POS 2 | POS 3 |
|-------------|-------|-------|-------|
| WSP-1       | ON    | NONE  | ON    |
| WSP-2       | ON    | NONE  | (ON)  |
| WSP-3       | ON    | OFF   | ON    |
| WSP-4       | (ON)  | OFF   | (ON)  |
| WSP-5       | ON    | OFF   | (ON)  |
| Term. Comm. | 2-3   | OPEN  | 2-1   |

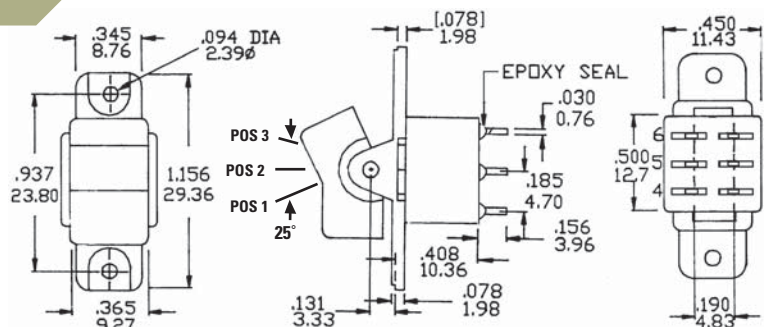
( ) = Momentary

## DPDT



2 Comm. 5 Comm.  
1 3 4 6

SCHEMATIC



| Model No.   | POS 1    | POS 2 | POS 3    |
|-------------|----------|-------|----------|
| WDP-1       | ON       | NONE  | ON       |
| WDP-2       | ON       | NONE  | (ON)     |
| WDP-3       | ON       | OFF   | ON       |
| WDP-4       | (ON)     | OFF   | (ON)     |
| WDP-5       | ON       | OFF   | (ON)     |
| Term. Comm. | 2-3, 5-6 | OPEN  | 2-1, 5-4 |

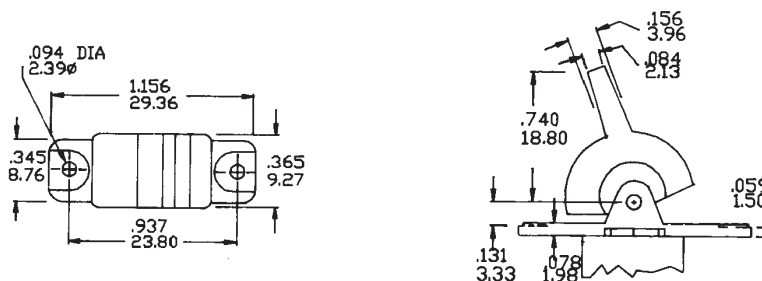
( ) = Momentary

## ACTUATOR OPTIONS – PANEL MOUNT

## R1



## R2





# SERIES 300A SWITCHES

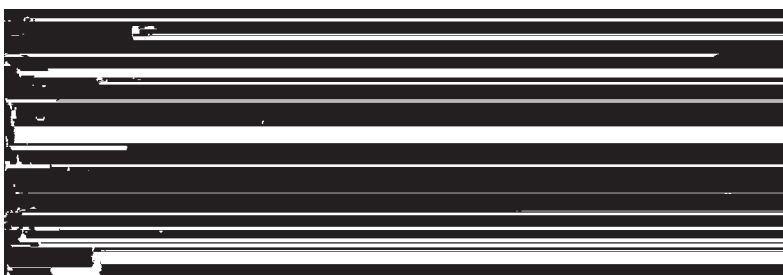
## ROCKER AND PADDLE SWITCHES - MINIATURE

TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHES

R11

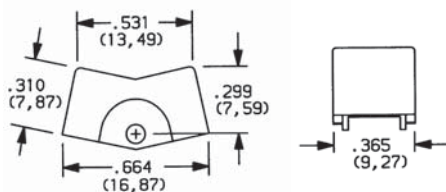


R16

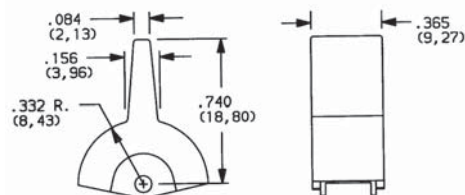


### ACTUATOR OPTIONS – P.C. MOUNT

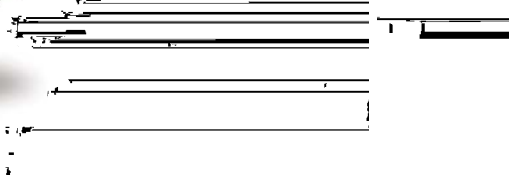
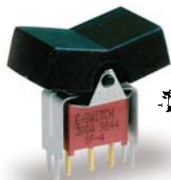
J1



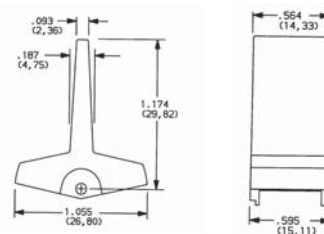
J2



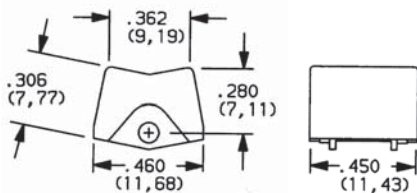
J3



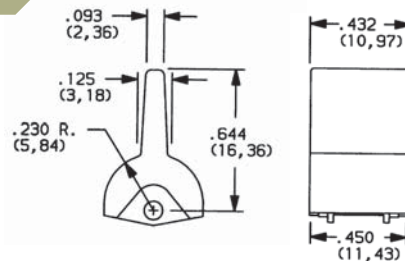
J4



J5



J6

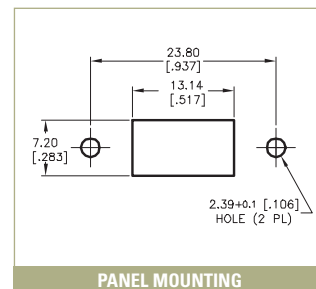
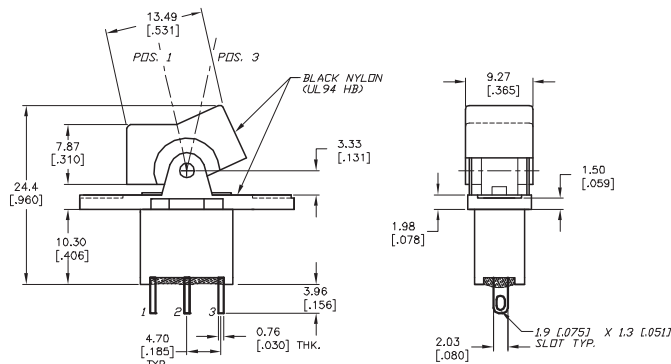
SLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS



## TERMINATION OPTIONS – PANEL MOUNT

## M1

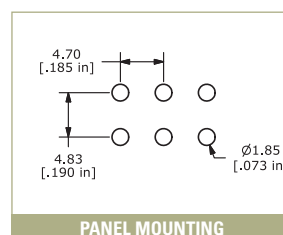
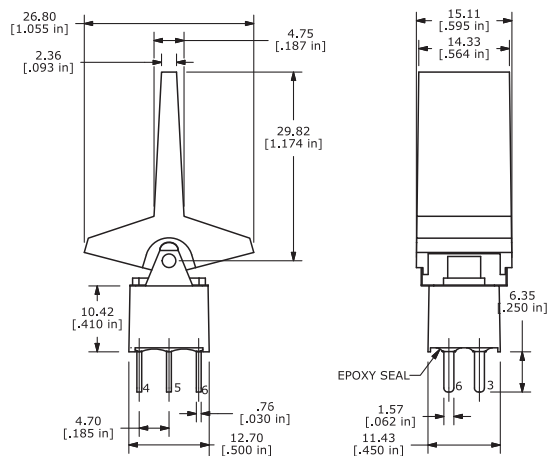
STD



PANEL MOUNTING

## M3

QUICK CONNECT

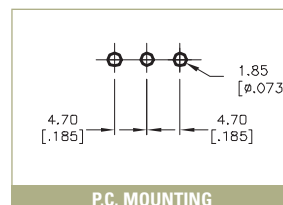
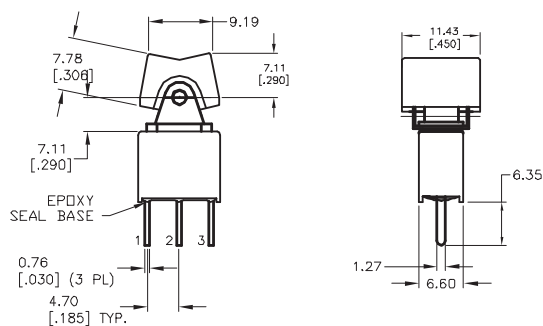


PANEL MOUNTING

## TERMINATION OPTIONS – P.C. MOUNT

## M2

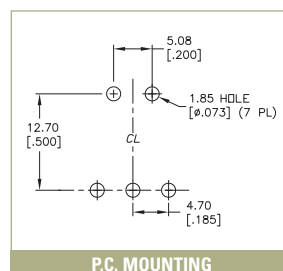
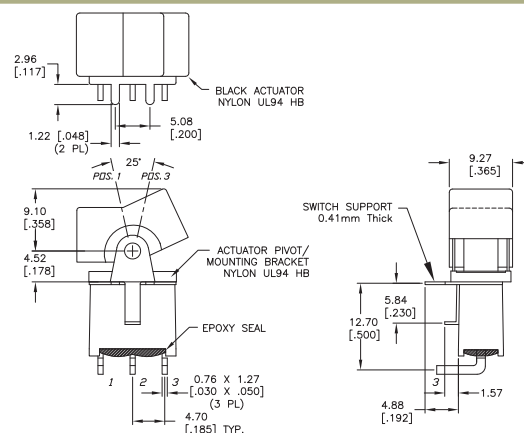
STD



P.C. MOUNTING

## M6

SPDT



P.C. MOUNTING

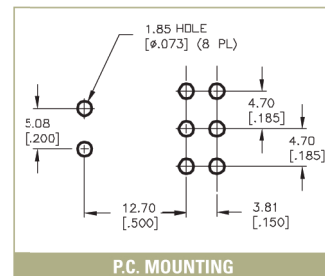
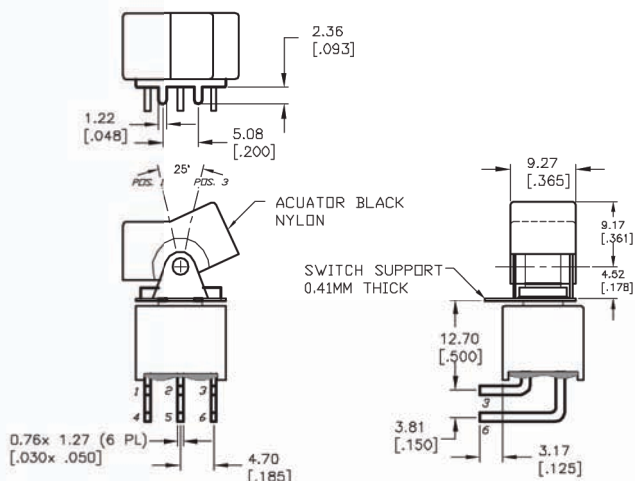
TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

# SERIES 300A SWITCHES

## ROCKER AND PADDLE SWITCHES - MINIATURE

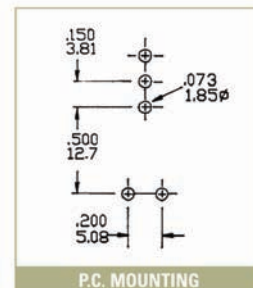
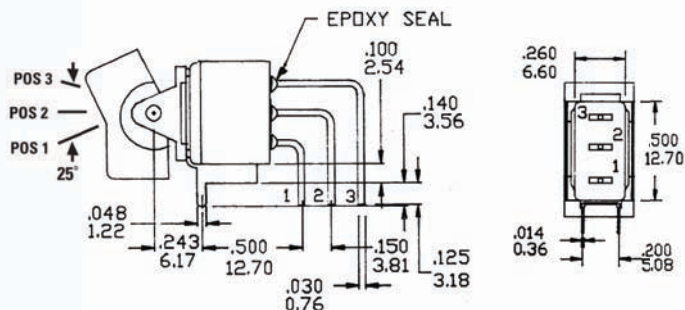
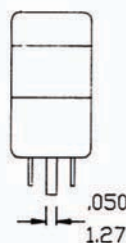
### M6

DPDT



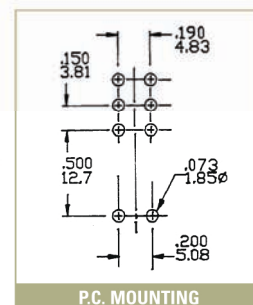
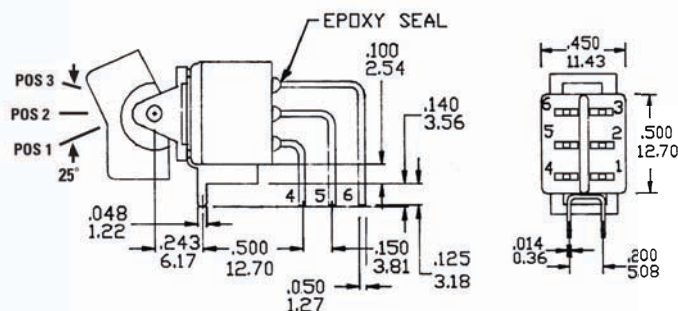
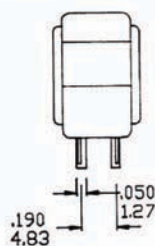
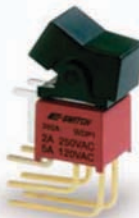
### M7

SPDT



### M7

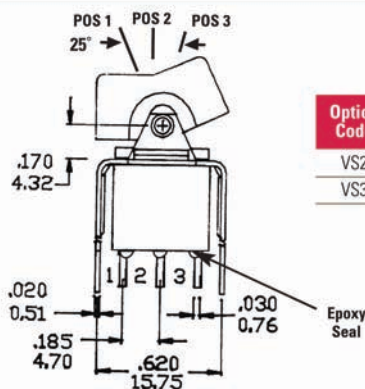
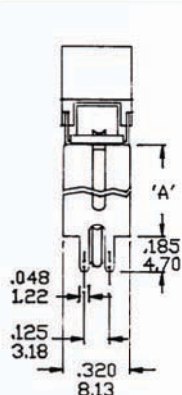
DPDT



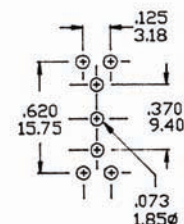


## VS2-VS3

SPDT



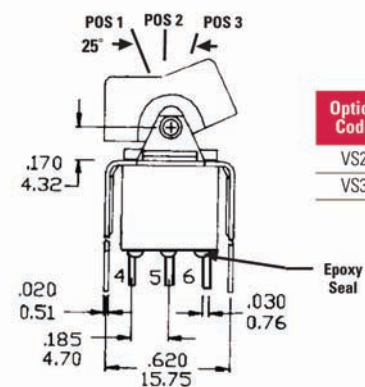
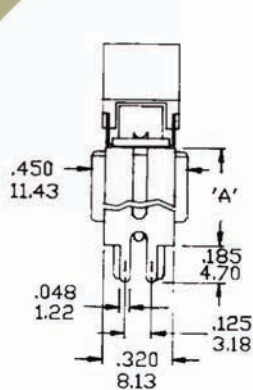
| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS2         | .460 (11.68) |
| VS3         | .630 (15.00) |



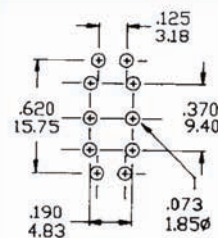
P.C. MOUNTING

## VS2-VS3

DPDT



| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS2         | .460 (11.68) |
| VS3         | .630 (15.00) |



P.C. MOUNTING

## CONTACT MATERIAL OPTIONS

Q

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| Fixed Terminal: | Gold flash over silver plated copper alloy                                           |
| Moving Contact: | Silver plated copper alloy                                                           |
| Rating:         | 5 Amps with resistive load @ 120VAC or 28VDC;<br>2 Amps with resistive load @ 250VAC |

R

|                 |                                                |
|-----------------|------------------------------------------------|
| Fixed Terminal: | Copper alloy with gold plate over nickel plate |
| Moving Contact: | Copper alloy with gold plate overnickel plate  |
| Rating:         | 0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## E-Switch:

[300AWSP1J1M2QE](#) [300AWDP2J6BLKVS3QE](#) [300AWDP3J3BLKVS2QE](#) [300AWDP4R16BLKM1QE](#)  
[300AWDP4R16BLKM1RE](#) [300AWSP1R1REDM1RE](#) [300AWSP4J2WHTM2RE](#) [300AWSP4J2BLKM2RE](#)  
[300AWDP1J1BLKM6QE](#) [300AWDP1J1BLKM6RE](#) [300AWDP1J1BLKM7QE](#) [300AWDP1J1BLKM7RE](#)  
[300AWDP1J1VS2QE](#) [300AWDP1J1VS2RE](#) [300AWDP1J1VS3RE](#) [300AWDP1J3M6QE](#) [300AWDP1J4BLKM3QE](#)  
[300AWDP2J1BLKM7RE](#) [300AWDP2R1BLKM1QE](#) [300AWDP2R2BLKM1QE](#) [300AWDP3J1M6QE](#)  
[300AWDP3J1VS2QE](#) [300AWDP3J3M6QE](#) [300AWDP3R1BLKM1QE](#) [300AWDP4J1REDVS2QE](#) [300AWDP4J2VS2QE](#)  
[300AWDP4J3VS2QE](#) [300AWDP4R11M1QE](#) [300AWDP4R1M1QE](#) [300AWDP4R1M1RE](#) [300AWDP4R1M2QE](#)  
[300AWDP4R2BLKM1QE](#) [300AWSP1J1BLKM2QE](#) [300AWSP1J1BLKM2RE](#) [300AWSP1J1BLKM6QE](#)  
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[300AWSP1J1GRYVS2QE](#) [300AWSP1J1M6RE](#) [300AWSP1J1VS21RE](#) [300AWSP1J2BLKVS2RE](#)  
[300AWSP1J3BLKM2RE](#) [300AWSP1J3BLKVS21QE](#) [300AWSP1J3BLKVS2QE](#) [300AWSP1J5M7QE](#)  
[300AWSP1J5VS2QE](#) [300AWSP1J6BLKVS2QE](#) [300AWSP1J6BLKVS3RE](#) [300AWSP1R16BLKM1RE](#)  
[300AWSP1R1BLKM1QE](#) [300AWSP1R1M1RE](#) [300AWSP1R2BLKM1QE](#) [300AWSP2J6BLKVS21RE](#)  
[300AWSP2R1BLKM1QE](#) [300AWSP3J1M6QE](#) [300AWSP3J5BLKVS2RE](#) [300AWSP3J5M2QE](#) [300AWSP3J5M7QE](#)  
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