



# Switches Core Program

## Contents

### DIP Switches

|                    |      |   |
|--------------------|------|---|
| GDS Series         | page | 2 |
| GDP Series         | page | 2 |
| GDR Series         | page | 2 |
| GDH Series         | page | 2 |
| GDHL Series        | page | 2 |
| ADE Series         | page | 3 |
| ADF Series         | page | 3 |
| ADP Series         | page | 3 |
| STV, STR Series    | page | 3 |
| DIP Series         | page | 3 |
| HTH DIP Shunts     | page | 4 |
| DIP-Fix            | page | 4 |
| MRD Series         | page | 4 |
| DR-/D/M/S/W Series | page | 4 |

### Tactile Switches

|                              |      |   |
|------------------------------|------|---|
| FSM . SM/JM Series, 3.5 x 6  | page | 5 |
| FSM . SM/JM LP Series, 4 x 6 | page | 5 |
| FSM 6 x 6 Series             | page | 5 |
| FSM 10 Series, 12 x 12       | page | 5 |
| FSM Turtle                   | page | 6 |
| FSMMSH Series                | page | 6 |
| FSM . MS Series              | page | 6 |
| FSMCT Series                 | page | 6 |
| FSMLPU                       | page | 6 |

### Slide Switches

|                    |      |   |
|--------------------|------|---|
| ASE, ASF Series    | page | 7 |
| S, SE Series       | page | 7 |
| STS, SDS Series    | page | 7 |
| TSS Series         | page | 7 |
| MSS, MSSA Series   | page | 7 |
| MSSA-01/04         | page | 7 |
| MHS Series         | page | 8 |
| SSJ Series         | page | 8 |
| SSA Series         | page | 8 |
| SLS/SL/SLSA Series | page | 8 |
| MLL Series         | page | 8 |

### Toggle Switches

|                  |      |    |
|------------------|------|----|
| TST Series       | page | 9  |
| TT Series        | page | 9  |
| Gemini A Series  | page | 9  |
| Gemini AE Series | page | 9  |
| MT Series        | page | 9  |
| AW Series        | page | 10 |
| F Series         | page | 10 |

### Push Buttons

|           |      |    |
|-----------|------|----|
| TP Series | page | 11 |
| MP Series | page | 11 |

### Micro Switches

|                                 |      |    |
|---------------------------------|------|----|
| MP Miniature Micro Switch       | page | 12 |
| SP Sub Miniature Micro Switch   | page | 12 |
| UP Ultra Miniature Micro Switch | page | 12 |

### Power Rocker Switches

|            |      |    |
|------------|------|----|
| PRA Series | page | 13 |
| PRC Series | page | 13 |
| PRE Series | page | 13 |
| PRF Series | page | 13 |
| PRG Series | page | 13 |

### Preferred Parts List

|                       |      |    |
|-----------------------|------|----|
| DIP Switches          | page | 14 |
| Tactile Switches      | page | 17 |
| Slide Switches        | page | 19 |
| Toggle Switches       | page | 22 |
| Push Buttons          | page | 22 |
| Micro Switches        | page | 25 |
| Power Rocker Switches | page | 26 |

Please note that the product range in this catalog represents a part of the complete range of Tyco Electronics switches only.

For additional products in the listed product groups as well as for

- Rotary Switches,
- Keylock Switches,
- Industrial Controls,
- Pushwheel Switches and
- Accessories as knobs, caps, boot seals and the respective hardware

please contact our sales office or see our products under [www.tycoelectronics.com](http://www.tycoelectronics.com).

## DIP Switches - GD Series, High Feature Line

### GDS Series

- Low profile
- End stackable
- Auto insertable
- Gold contacts



### GDP Series

- Piano actuator
- Classic profile
- Gold contacts



### GDR Series

- Recessed rocker actuator
- Classic profile
- Gold contacts



#### Dips

|                              |
|------------------------------|
| Standard number of positions |
| Mounting style               |
| Tape seal                    |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions (WxH)             |
| Packaging                    |

|                     |
|---------------------|
| 2, 4, 6, 8, 10      |
| THT, SMT            |
| Yes                 |
| 25 mA @ 24 Vdc      |
| 1000 ops.           |
| -30...+85°C         |
| 6.2 x 2.7 mm        |
| Tube, Tape and Reel |

|                     |
|---------------------|
| 2, 4, 6, 8, 10      |
| THT, SMT            |
| Yes                 |
| 25 mA @ 24 Vdc      |
| 1000 ops.           |
| -30...+85°C         |
| 9.6 x 8.7 mm        |
| Tube, Tape and Reel |

|                     |
|---------------------|
| 2, 4, 6, 8, 10      |
| THT, SMT            |
| Yes                 |
| 25 mA @ 24 Vdc      |
| 1000 ops.           |
| -30...+85°C         |
| 9.6 x 6.9 mm        |
| Tube, Tape and Reel |

### GDH Series

- Low profile
- Half pitch
- Gold contacts



### GDHL Series

- Ultra low profile
- Half pitch
- Gold contacts



#### Dips

|                              |
|------------------------------|
| Standard number of positions |
| Mounting style               |
| Tape seal                    |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions (WxH)             |
| Packaging                    |

|                |
|----------------|
| 2, 4, 6, 8, 10 |
| SMT            |
| Yes            |
| 25 mA @ 24 Vdc |
| 1000 ops.      |
| -30...+85°C    |
| 6.2 x 3.2 mm   |
| Tape and Reel  |

|                     |
|---------------------|
| 2, 4, 6, 8, 10      |
| SMT                 |
| Yes                 |
| 25 mA @ 24 Vdc      |
| 1000 ops.           |
| -30...+85°C         |
| 4.5 x 1.45 mm       |
| Tube, Tape and Reel |

## DIP Switches - AD Series, SIP Switches, DIP Series

### ADE Series

- Extended actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable



### ADF Series

- Flush actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable



### ADP Series

- Piano actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable



#### Dips

|                              |                 |
|------------------------------|-----------------|
| Standard number of positions | 2...12          |
| Mounting style               | THT, SMT        |
| Tape seal                    | No              |
| Contact rating               | 100 mA @ 24 Vdc |
| Electrical endurance         | 1000 ops.       |
| Integral resistors           | Optional        |
| Operating temperature range  | -30...+85°C     |
| Dimensions (WxH)             | 7.5 x 3.5 mm    |
| Packaging                    | Tube            |

|                              |                     |
|------------------------------|---------------------|
| Standard number of positions | 2...12              |
| Mounting style               | THT, SMT            |
| Tape seal                    | Optional            |
| Contact rating               | 100 mA @ 24 Vdc     |
| Electrical endurance         | 1000 ops.           |
| Integral resistors           | Optional            |
| Operating temperature range  | -30...+85°C         |
| Dimensions (WxH)             | 7.5 x 3.5 mm        |
| Packaging                    | Tube, Tape and Reel |

|                              |                     |
|------------------------------|---------------------|
| Standard number of positions | 2, 4, 6, 8, 10      |
| Mounting style               | THT, SMT            |
| Tape seal                    | No                  |
| Contact rating               | 100 mA @ 24 Vdc     |
| Electrical endurance         | 1000 ops.           |
| Integral resistors           | No                  |
| Operating temperature range  | -30...+85°C         |
| Dimensions (WxH)             | 8.8 x 6.8 mm        |
| Packaging                    | Tube, Tape and Reel |

|                              |                     |
|------------------------------|---------------------|
| Standard number of positions | 2, 4, 6, 8, 10      |
| Mounting style               | THT, SMT            |
| Tape seal                    | No                  |
| Contact rating               | 100 mA @ 24 Vdc     |
| Electrical endurance         | 1000 ops.           |
| Integral resistors           | No                  |
| Operating temperature range  | -30...+85°C         |
| Dimensions (WxH)             | 8.8 x 6.8 mm        |
| Packaging                    | Tube, Tape and Reel |

### STV, STR Series

- Low profile
- High pressure contact system
- Processable without tape seal



### DIP Series

- Up to 30 poles
- Action pins up to 9 poles
- High contact force to break through oxide or dirt layers



#### Dips

|                              |                |
|------------------------------|----------------|
| Standard number of positions | 2, 4, 6, 8, 10 |
| Mounting style               | THT            |
| Tape seal                    | No             |
| Contact rating               | 25 mA @ 24 Vdc |
| Electrical endurance         | 1000 ops.      |
| Operating temperature range  | -30...+85°C    |
| Dimensions (WxH)             | 3.2 x 6.2 mm   |
| Packaging                    | Tube           |

|                              |                |
|------------------------------|----------------|
| Standard number of positions | 2, 4, 6, 8, 10 |
| Mounting style               | THT            |
| Tape seal                    | No             |
| Contact rating               | 25 mA @ 24 Vdc |
| Electrical endurance         | 1000 ops.      |
| Operating temperature range  | -30...+85°C    |
| Dimensions (WxH)             | 3.2 x 6.2 mm   |
| Packaging                    | Tube           |

|                              |                  |
|------------------------------|------------------|
| Standard number of positions | 1-30             |
| Mounting style               | THT, Action pins |
| Tape seal                    | No               |
| Contact rating               | 25 mA @ 50 Vdc   |
| Electrical endurance         | 2000 ops.        |
| Operating temperature range  | -25...+70°C      |
| Dimensions (WxH)             | 10.0 x 8.5 mm    |
| Packaging                    | Tube             |

## DIP Shunts, DIP-Fix, Rotary DIP Switches

### HTH DIP Shunts

- Machine insertable shunt on request



### DIP-Fix

- Highly simplified DIP switch with change over option
- Low cost alternative
- Predetermined breaking points



#### Shunts, DIP-Fix

|                              |
|------------------------------|
| Standard number of positions |
| Mounting style               |
| Tape seal                    |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions (WxH)             |
| Packaging                    |

|                 |
|-----------------|
| 4, 6, 8, 10, 12 |
| THT             |
| No              |
| up to 2 A       |
| -               |
| -30...+85°C     |
| 6.0 x 2.0 mm    |
| Tube            |

|                  |
|------------------|
| 1-10, 12, 16, 24 |
| THT              |
| No               |
| up to 0.5 A      |
| 50 ops.          |
| -40...+85°C      |
| 12.4 x 8.1 mm    |
| Tray             |

### MRD Series

- Low profile
- Process sealed
- 7 mm edge length



### DR-/D/M/S/W Series

- Process sealed
- 10 mm edge length



#### Rotary Dips

|                              |
|------------------------------|
| Right angle versions         |
| Standard number of positions |
| Mounting style               |
| Actuator style               |
| Flush actuator versions      |
| Output Code                  |
| Tape seal                    |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions (LxWxH)           |
| Packaging                    |

|                                                 |
|-------------------------------------------------|
| for THT version only                            |
| 10, 16                                          |
| THT, SMT                                        |
| Flush actuator only                             |
| Yes                                             |
| BCD, BCD compl.,<br>Hex, Hex compl.<br>Optional |
| 20 mA @ 20 Vdc                                  |
| 20,000 ops.                                     |
| -30...+85°C                                     |
| 7 x 7 x 3.3 mm                                  |
| Tube, Tape and Reel                             |

|                                                  |
|--------------------------------------------------|
| for THT version only                             |
| 10, 16                                           |
| THT, SMT                                         |
| Flush, Mini plastic shaft,<br>Wheel, Metal shaft |
| Yes                                              |
| BCD, BCD compl.,<br>Hex, Hex compl.<br>Optional  |
| 20 mA @ 20 Vdc                                   |
| 20,000 ops.                                      |
| -30...+85°C                                      |
| 10 x 10 x 6.8 mm                                 |
| Tube, Tape and Reel (for<br>SMT version only)    |

## Tactile Switches

### FSM . SM/JM Series

- Small PCB footprint



#### Tactiles

|                                    |                        |
|------------------------------------|------------------------|
| Style                              | 3.5 x 6                |
| Mounting style                     | THT, SMT               |
| Right angle versions               | No                     |
| Low profile versions               | No                     |
| Flush actuator version             | Yes                    |
| Different actuator styles          | Yes                    |
| ESD grounding term./locating post  | No / No                |
| Sealed versions                    | Yes                    |
| Standard actuation force           | 1.3, 1.8 N             |
| Electrical endurance               | up to 100,000 ops.     |
| Operating temperature range        | -40...+85°C            |
| Dimensions horizontal ver. (LxWxH) | 3.5 x 6 x 4.3...5 mm   |
| Dimensions sealed ver. (LxWxH)     | 4.7 x 6.8 x 4.3...5 mm |
| Packaging                          | Tape and Reel, Bulk    |

### FSM . SM/JM LP Series

- Small PCB footprint
- Low profile
- SMT and SMT up pinning

NEW



|                                    |                      |
|------------------------------------|----------------------|
| Style                              | 4 x 6                |
| Mounting style                     | SMT                  |
| Right angle versions               | No                   |
| Low profile versions               | Standard             |
| Flush actuator version             | No                   |
| Different actuator styles          | No                   |
| ESD grounding term./locating post  | No / No              |
| Sealed versions                    | No                   |
| Standard actuation force           | 1.6, 2.6 N           |
| Electrical endurance               | up to 1,000,000 ops. |
| Operating temperature range        | -40...+85°C          |
| Dimensions horizontal ver. (LxWxH) | 4.2 x 6 x 2.5 mm     |
| Dimensions sealed ver. (LxWxH)     | -                    |
| Packaging                          | Tape and Reel        |

### FSM 6 x 6 Series

- Different actuator and mounting versions
- 105°C versions available



|                                    |                       |
|------------------------------------|-----------------------|
| Style                              | 6 x 6                 |
| Mounting style                     | THT, SMT              |
| Right angle versions               | Yes                   |
| Low profile versions               | Yes                   |
| Flush actuator version             | Yes                   |
| Different actuator styles          | Yes                   |
| ESD grounding term./locating post  | Optional / No         |
| Sealed versions                    | Yes                   |
| Standard actuation force           | 1.0, 1.6, 2.6, 5.2 N  |
| Electrical endurance               | up to 2,000,000 ops.  |
| Operating temperature range        | -40...+85°C, (+105°C) |
| Dimensions horizontal ver. (LxWxH) | 6 x 6 x 4.3...17 mm   |
| Dimensions sealed ver. (LxWxH)     | -                     |
| Packaging                          | Tape and Reel, Bulk   |

### FSM 10 Series

- Different actuator and mounting versions



#### Tactiles

|                                    |                          |
|------------------------------------|--------------------------|
| Style                              | 12 x 12                  |
| Mounting style                     | THT, SMT                 |
| Right angle versions               | Yes                      |
| Low profile versions               | No                       |
| Flush actuator version             | Yes                      |
| Different actuator styles          | Yes                      |
| ESD grounding term./locating post  | No / Optional            |
| Sealed versions                    | Yes                      |
| Standard actuation force           | 1.6, 2.6 N               |
| Electrical endurance               | up to 1,000,000 ops.     |
| Operating temperature range        | -35...+85°C              |
| Dimensions horizontal ver. (LxWxH) | 12 x 12.5 x 4.3...12 mm  |
| Dimensions sealed ver. (LxWxH)     | 12 x 12.5 x 4.3...7.3 mm |
| Packaging                          | Tape and Reel, Bulk      |

|                                    |                          |
|------------------------------------|--------------------------|
| Style                              | 12 x 12                  |
| Mounting style                     | THT, SMT                 |
| Right angle versions               | Yes                      |
| Low profile versions               | No                       |
| Flush actuator version             | Yes                      |
| Different actuator styles          | Yes                      |
| ESD grounding term./locating post  | No / Optional            |
| Sealed versions                    | Yes                      |
| Standard actuation force           | 1.6, 2.6 N               |
| Electrical endurance               | up to 1,000,000 ops.     |
| Operating temperature range        | -35...+85°C              |
| Dimensions horizontal ver. (LxWxH) | 12 x 12.5 x 4.3...12 mm  |
| Dimensions sealed ver. (LxWxH)     | 12 x 12.5 x 4.3...7.3 mm |
| Packaging                          | Tape and Reel, Bulk      |

## Tactile Switches

### FSM Turtle

- Side actuated tactile



### FSMMSH Series

- Small PCB space required
- Side actuated



### FSM . MS Series

- Low profile
- Side actuated



#### Tactiles

|                                    |                     |
|------------------------------------|---------------------|
| Style                              | Turtle              |
| Mounting style                     | SMT                 |
| Right angle versions               | No                  |
| Low profile versions               | No                  |
| Flush actuator version             | No                  |
| Different actuator styles          | No                  |
| ESD grounding term./locating post  | No / Optional       |
| Sealed versions                    | No                  |
| Standard actuation force           | 1.6 N               |
| Electrical endurance               | 100,000 ops.        |
| Operating temperature range        | -20...+85°C         |
| Dimensions horizontal ver. (LxWxH) | 4.0 x 7.15 x 1.7 mm |
| Dimensions sealed ver. (LxWxH)     | -                   |
| Packaging                          | Tape and Reel, Bulk |

|                                    |                     |
|------------------------------------|---------------------|
| Style                              | Turtle              |
| Mounting style                     | SMT                 |
| Right angle versions               | No                  |
| Low profile versions               | No                  |
| Flush actuator version             | No                  |
| Different actuator styles          | No                  |
| ESD grounding term./locating post  | No / Optional       |
| Sealed versions                    | No                  |
| Standard actuation force           | 1.6 N               |
| Electrical endurance               | 100,000 ops.        |
| Operating temperature range        | -20...+85°C         |
| Dimensions horizontal ver. (LxWxH) | 4.0 x 7.15 x 1.7 mm |
| Dimensions sealed ver. (LxWxH)     | -                   |
| Packaging                          | Tape and Reel, Bulk |

|                                    |                         |
|------------------------------------|-------------------------|
| Style                              | Miniature side actuated |
| Mounting style                     | SMT                     |
| Right angle versions               | Yes                     |
| Low profile versions               | No                      |
| Flush actuator version             | No                      |
| Different actuator styles          | No                      |
| ESD grounding term./locating post  | No / Optional           |
| Sealed versions                    | No                      |
| Standard actuation force           | 1.6 N                   |
| Electrical endurance               | 100,000 ops.            |
| Operating temperature range        | -20...+70°C             |
| Dimensions horizontal ver. (LxWxH) | 4.5 x 2.55 x 3.3 mm     |
| Dimensions sealed ver. (LxWxH)     | -                       |
| Packaging                          | Tape and Reel           |

|                                    |                         |
|------------------------------------|-------------------------|
| Style                              | Miniature side actuated |
| Mounting style                     | SMT                     |
| Right angle versions               | Yes                     |
| Low profile versions               | No                      |
| Flush actuator version             | No                      |
| Different actuator styles          | No                      |
| ESD grounding term./locating post  | No / Optional           |
| Sealed versions                    | No                      |
| Standard actuation force           | 2.2, 2.5 N              |
| Electrical endurance               | 100,000 ops.            |
| Operating temperature range        | -20...+85°C             |
| Dimensions horizontal ver. (LxWxH) | refer to catalogue      |
| Dimensions sealed ver. (LxWxH)     | -                       |
| Packaging                          | Tape and Reel           |

### FSMCT Series

- Low profile



### FSMLPU

- Ultra low profile
- 0.6 mm high only



#### Tactiles

|                                    |                      |
|------------------------------------|----------------------|
| Style                              | 5 x 5                |
| Mounting style                     | SMT                  |
| Right angle versions               | No                   |
| Low profile versions               | No                   |
| Flush actuator version             | No                   |
| Different actuator styles          | No                   |
| ESD grounding term./locating post  | No / No              |
| Sealed versions                    | No                   |
| Standard actuation force           | 1.6, 2.6 N           |
| Electrical endurance               | up to 1,000,000 ops. |
| Operating temperature range        | -20...+85°C          |
| Dimensions horizontal ver. (LxWxH) | 5.2 x 5.2 x 1.5 mm   |
| Dimensions sealed ver. (LxWxH)     | -                    |
| Packaging                          | Tape and Reel        |

|                                    |                      |
|------------------------------------|----------------------|
| Style                              | 5 x 5                |
| Mounting style                     | SMT                  |
| Right angle versions               | No                   |
| Low profile versions               | No                   |
| Flush actuator version             | No                   |
| Different actuator styles          | No                   |
| ESD grounding term./locating post  | No / No              |
| Sealed versions                    | No                   |
| Standard actuation force           | 1.6, 2.6 N           |
| Electrical endurance               | up to 1,000,000 ops. |
| Operating temperature range        | -20...+85°C          |
| Dimensions horizontal ver. (LxWxH) | 5.2 x 5.2 x 1.5 mm   |
| Dimensions sealed ver. (LxWxH)     | -                    |
| Packaging                          | Tape and Reel        |

|                                    |                    |
|------------------------------------|--------------------|
| Style                              | 5 x 5              |
| Mounting style                     | SMT                |
| Right angle versions               | No                 |
| Low profile versions               | Standard           |
| Flush actuator version             | Standard           |
| Different actuator styles          | No                 |
| ESD grounding term./locating post  | No / No            |
| Sealed versions                    | No                 |
| Standard actuation force           | 1.6 N              |
| Electrical endurance               | 500,000 ops.       |
| Operating temperature range        | -20...+70°C        |
| Dimensions horizontal ver. (LxWxH) | 4.8 x 4.8 x 0.6 mm |
| Dimensions sealed ver. (LxWxH)     | -                  |
| Packaging                          | Tape and Reel      |

## Slide Switches

### ASE, ASF Series

- Bifurcated double wipe contacts, also for telecom grade switching
- ASF for auto insertion on standard IC equipment



#### Slide switch

|                             |
|-----------------------------|
| Number of poles             |
| Number of throws            |
| Contact timing              |
| Right angle versions        |
| Mounting style              |
| Actuator style              |
| Flush actuator version      |
| Tape seal                   |
| Contact rating              |
| Electrical endurance        |
| Operating temperature range |
| Dimensions (LxWxH)          |
| Packaging                   |

|                                  |
|----------------------------------|
| 2, 4, 6                          |
| 2, 3 (available in 4 pole only)  |
| Make before Break                |
| Yes                              |
| SMT, THT                         |
| ASF: Flush top actuator          |
| ASE: Extended top or side        |
| ASFO: Flush top or side          |
| ASF: Yes, ASE: No                |
| ASF: Yes, ASE: No                |
| Gold: 20 mA @ 20 Vdc             |
| Silver: 300 mA @ 115 Vac, 28 Vdc |
| 10,000 ops.                      |
| -40...+80°C                      |
| refer to catalogue               |
| Tube                             |

### S, SE Series

- Compact slide switch
- S: unsealed
- SE: sealed (IP 67)



|                                |
|--------------------------------|
| 1 or 2                         |
| 1,2                            |
| Break before Make              |
| Yes                            |
| SMT, THT                       |
| SE: Actuator with boot sealing |
| No                             |
| No                             |
| 20 mA @ 20 Vdc                 |
| 10,000 ops.                    |
| -20...+80°C                    |
| 9.5 x 5 x 8.0 mm               |
| Tray, Tape and Reel            |

### STS, SDS Series

- Miniature slide switch
- STS: economy grade
- SD: instrumentation grade
- Low profile



|                    |
|--------------------|
| 1 or 2             |
| up to 6            |
| Make before Break  |
| Yes                |
| THT                |
| SDS: on request    |
| No                 |
| No                 |
| 300 mA @ 125 Vac   |
| 10,000 ops.        |
| -15...+60°C        |
| refer to catalogue |
| Bulk               |

### TSS Series

- Single or dual actuator



#### Slide switch

|                             |
|-----------------------------|
| Number of poles             |
| Number of throws            |
| Contact timing              |
| Right angle versions        |
| Mounting style              |
| Actuator style              |
| Flush actuator version      |
| Tape seal                   |
| Contact rating              |
| Electrical endurance        |
| Operating temperature range |
| Dimensions (LxWxH)          |
| Packaging                   |

|                    |
|--------------------|
| up to 4            |
| 1 or 2             |
| Break before Make  |
| Yes                |
| THT                |
| Standard           |
| Yes                |
| No                 |
| 20 mA @ 20 Vdc     |
| 80,000 ops.        |
| -20...+80°C        |
| refer to catalogue |
| Bulk               |

### MSS, MSSA Series

- Instrumentation grade



|                                |
|--------------------------------|
| up to 6                        |
| up to 4                        |
| Make before Break              |
| Yes                            |
| THT                            |
| Standard / MSSA: Position snap |
| No                             |
| No                             |
| Gold: 20 mA @ 20 Vdc           |
| Silver: 300 mA @ 125 Vac       |
| 15,000 ops.                    |
| -20...+85°C                    |
| refer to catalogue             |
| Tray                           |

### MSSA-01/04 Series

- Instrumentation grade
- Top and side actuator



|                                |
|--------------------------------|
| up to 2                        |
| 2                              |
| Break before Make              |
| Yes                            |
| THT                            |
| Standard                       |
| Yes                            |
| No                             |
| Gold: 20 mA @ 20 Vdc           |
| Silver: 3A@115Vac, 1.5A@230Vac |
| 30,000 ops.                    |
| -20...+85°C                    |
| MSSA1: 11.9 x 6.4 x 8 mm       |
| MSSA2: 11.9 x 11.4 x 8 mm      |
| Bulk                           |

## Slide Switches

### MHS Series

- Low profile
- Instrumentation grade



#### Slide switch

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Number of poles             | up to 2                                          |
| Number of throws            | up to 3                                          |
| Contact timing              | Make before Break                                |
| Right angle versions        | Yes                                              |
| Mounting style              | THT                                              |
| Actuator style              | Standard and Baton                               |
| Flush actuator version      | No                                               |
| Tape seal                   | No                                               |
| Contact rating              | Gold: 20 mA @ 20 Vdc<br>Silver: 300 mA @ 125 Vac |
| Electrical endurance        | 15,000 ops.                                      |
| Operating temperature range | -20...+100°C                                     |
| Dimensions (LxWxH)          | 16.0 x 6.7 x 7.5 mm                              |
| Packaging                   | Tray                                             |

### SSJ Series

- Micro size
- Instrumentation grade



|                             |                          |
|-----------------------------|--------------------------|
| Number of poles             | 1                        |
| Number of throws            | 3                        |
| Contact timing              | Make before Break        |
| Right angle versions        | Yes                      |
| Mounting style              | THT                      |
| Actuator style              | Standard                 |
| Flush actuator version      | No                       |
| Tape seal                   | No                       |
| Contact rating              | 100 mA @ 12 Vdc          |
| Electrical endurance        | 10,000 ops.              |
| Operating temperature range | -10...+60°C              |
| Dimensions (LxWxH)          | 10.2...15.8 x 4 x 5.5 mm |
| Packaging                   | Tray                     |

### SSA Series

- Micro size
- Instrumentation grade



|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Number of poles             | up to 2                                         |
| Number of throws            | 2                                               |
| Contact timing              | Make before Break                               |
| Right angle versions        | Yes                                             |
| Mounting style              | THT                                             |
| Actuator style              | Standard                                        |
| Flush actuator version      | No                                              |
| Tape seal                   | No                                              |
| Contact rating              | Gold: 20 mA @ 20 Vdc<br>Silver: 100 mA @ 30 Vac |
| Electrical endurance        | up to 10,000 ops.                               |
| Operating temperature range | -20...+80°C                                     |
| Dimensions (LxWxH)          | 9.0...15.0 x 3.4...5.6 x 4.8 mm                 |
| Packaging                   | Bulk                                            |

### SLS/SL/SLSA Series

- Wiping contact
- Consumer grade



#### Slide switch

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| Number of poles             | up to 2                                                               |
| Number of throws            | up to 10                                                              |
| Contact timing              | Break before Make                                                     |
| Right angle versions        | Yes                                                                   |
| Mounting style              | THT                                                                   |
| Actuator style              | Standard, Lever / Knob Actuator                                       |
| Flush actuator version      | No                                                                    |
| Tape seal                   | No                                                                    |
| Contact rating              | SLS/SL: 250 mA @ 125 Vac,<br>150 mA @ 12 Vdc<br>SLA: 500 mA @ 125 Vac |
| Electrical endurance        | 10,000 ops.                                                           |
| Operating temperature range | SLS/SL: -10...+60°C,<br>SLA: -20...+85°C                              |
| Dimensions (LxWxH)          | refer to catalogue                                                    |
| Packaging                   | Bulk                                                                  |

### MLL Series

- Low profile



|                             |                       |
|-----------------------------|-----------------------|
| Number of poles             | 1                     |
| Number of throws            | up to 3               |
| Contact timing              | Make before Break     |
| Right angle versions        | Standard              |
| Mounting style              | SMT                   |
| Actuator style              | Standard              |
| Flush actuator version      | No                    |
| Tape seal                   | No                    |
| Contact rating              | 300 mA; 4 Vdc         |
| Electrical endurance        | 10,000 ops.           |
| Operating temperature range | 20...+85°C            |
| Dimensions (LxWxH)          | 6.7...9.7 x 2.6 x 1.4 |
| Packaging                   | Tube, Tape and Reel   |

## Toggle Switches

### TST Series

- Sub miniature toggle switch
- Sealed



#### Toggles

|                              |
|------------------------------|
| Number of poles              |
| Contact timing               |
| Right angle versions         |
| Standard number of positions |
| Terminals / Mounting style   |
| Actuator style               |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions case (LxWxH)      |
| Packaging                    |

|                    |
|--------------------|
| 1                  |
| Break before Make  |
| Yes                |
| 2 or 3             |
| THT                |
| Various lengths    |
| 20 mA @ 20 Vac/dc  |
| 80,000 ops.        |
| -30...+85°C        |
| 8.1 x 5.0 x 9.1 mm |
| Bulk               |

### TT Series

- Sub miniature toggle switch
- Boot seal available



|                                                                                            |
|--------------------------------------------------------------------------------------------|
| up to 4                                                                                    |
| Break before Make                                                                          |
| right angle and vertical right angle                                                       |
| 2 or 3                                                                                     |
| THT, Wire lug, Wire wrap;<br>Various bushings versions                                     |
| Various lengths,<br>round, flat, locking                                                   |
| Gold: 20 mA @ 20 Vdc<br>Silver (2pos): 3A@125Vac, 28Vdc<br>Silver (3pos): 2A@125Vac, 28Vdc |
| 60,000 ops.                                                                                |
| -30...+85°C                                                                                |
| 8.1 x 6 x 8.8...15.7 mm                                                                    |
| Bulk                                                                                       |

### Gemini Series A

- Miniature toggle switch



|                                                                                            |
|--------------------------------------------------------------------------------------------|
| 1 or 2                                                                                     |
| Break before Make                                                                          |
| right angle and vertical right angle                                                       |
| 2 or 3                                                                                     |
| THT, Wire lug, Quick connect,<br>Wire wrap, Support brackets;<br>Various bushings versions |
| different lengths, round, flat,<br>locking; rocker style                                   |
| 2 A @ 250 Vac                                                                              |
| 40,000 ops.                                                                                |
| -30...+85°C                                                                                |
| 12.7 x 6.9...16.8 x 10.4 mm                                                                |
| Bulk                                                                                       |

### Gemini Series AE

- Miniature toggle switch  
sealed
- Meets requirements of IP67



#### Toggles

|                              |
|------------------------------|
| Number of poles              |
| Contact timing               |
| Right angle versions         |
| Standard number of positions |
| Terminals / Mounting style   |
| Actuator style               |
| Contact rating               |
| Electrical endurance         |
| Operating temperature range  |
| Dimensions case (LxWxH)      |
| Packaging                    |

|                                                              |
|--------------------------------------------------------------|
| 1 or 2                                                       |
| Break before Make                                            |
| right angle and vertical right angle                         |
| 2 or 3                                                       |
| THT, Wire lug, Quick connect,<br>Wire wrap, Support brackets |
| different lengths, round, flat;<br>rocker style              |
| 2 A @ 250 Vac                                                |
| 30,000 ops.                                                  |
| -30...+85°C                                                  |
| 12.7 x 6.6...11.4 x 10.3 mm                                  |
| Bulk                                                         |

### MT Series

- Toggle switch



|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| up to 4                                                                                          |
| Break before Make                                                                                |
| right angle and vertical right angle                                                             |
| 2 or 3                                                                                           |
| THT, Wire lug                                                                                    |
| Lengths, round, flat, Mustang,<br>splash proof bat actuator,<br>locking, decorative bat actuator |
| 3 A @ 250 Vac, 4 A @ 28 Vdc                                                                      |
| 80,000 ops.                                                                                      |
| -20...+85°C                                                                                      |
| 13 x 8...22.5 x 11.5 mm                                                                          |
| Bulk                                                                                             |

## Toggle Switches

### AW Series

- IP67 panel mounting seal
- Sleeve & Frame perfect sealed



|                              |                            |
|------------------------------|----------------------------|
| Number of poles              | 1, 2 and 4                 |
| Contact timing               | Break before Make          |
| Right angle versions         | No                         |
| Standard number of positions | 2 or 3                     |
| Terminals / Mounting style   | Quick connect              |
| Actuator style               | Standard Toggle            |
| Contact rating               | 20 A @ 250 Vac             |
| Electrical endurance         | 20,000 ops.                |
| Operating temperature range  | -20...+70°C                |
| Dimensions case (LxWxH)      | 33 x 19.5...36.5 x 24.5 mm |
| Packaging                    | Bulk                       |

### F Series

- Terminals are gold-flashed
- Wide range of switching functions
- Wide choice of toggles



|                              |                                       |
|------------------------------|---------------------------------------|
| Number of poles              | up to 4                               |
| Contact timing               | Break before Make                     |
| Right angle versions         | No                                    |
| Standard number of positions | 2 or 3                                |
| Terminals / Mounting style   | Leadwire hooking                      |
| Actuator style               | Standard, long, locking; rocker style |
| Contact rating               | 6 A @ 250 Vac                         |
| Electrical endurance         | 50,000 ops.                           |
| Operating temperature range  | -20...+70°C                           |
| Dimensions case (LxWxH)      | 14.8 x 8...23 x 10.5 mm               |
| Packaging                    | Bulk                                  |

#### Toggles

|                              |  |
|------------------------------|--|
| Number of poles              |  |
| Contact timing               |  |
| Right angle versions         |  |
| Standard number of positions |  |
| Terminals / Mounting style   |  |
| Actuator style               |  |
| Contact rating               |  |
| Electrical endurance         |  |
| Operating temperature range  |  |
| Dimensions case (LxWxH)      |  |
| Packaging                    |  |

## Push Buttons

### TP Series

- Miniature
- Dual actuator available



### MP Series

- Caps in different colours



#### Push buttons

|                             |
|-----------------------------|
| Number of poles             |
| Contact timing              |
| Right angle versions        |
| Sealing                     |
| Mounting style              |
| Actuator style              |
| Flush actuator versions     |
| Contact rating              |
| Electrical endurance        |
| Operating temperature range |
| Dimensions case (LxWxH)     |
| Packaging                   |

|                                         |
|-----------------------------------------|
| 1 or 2                                  |
| Break before Make                       |
| right angle and vertical right angle    |
| Process sealed optional                 |
| THT, Wire lug, different bushing styles |
| round, rectangular                      |
| Yes                                     |
| Gold: 20 mA @ 20 Vdc                    |
| Silver: 1 A @ 125 Vac, 28 Vdc           |
| 100,000 ops.                            |
| -30...+65°C                             |
| 8.1 x 5.2 x 8.1 mm                      |
| Bulk                                    |

|                                |
|--------------------------------|
| up to 4                        |
| Break before Make              |
| No                             |
| MPE: splash proof (meets IP65) |
| THT, Panel mount, Wire lug     |
| Optional caps for MPA, MPE     |
| No                             |
| 6 A @ 120 Vac, 3 A @ 250 Vac   |
| 50,000 ops.                    |
| -20...+80°C                    |
| 13 x 8.1...22.5 x 14...17.3 mm |
| Bulk                           |

## Micro Switches

### MP Miniature Micro Switch Series

- Low and high current versions



### SP Sub Miniature Micro Switch Series

- Various actuator and mounting options



### UP Ultra Miniature Micro Switch Series

- Different mounting options
- Silver or gold contacts



#### Micro switch

|                             |  |
|-----------------------------|--|
| Contact configuration       |  |
| Right angle versions        |  |
| Mounting style              |  |
| Actuator style              |  |
| Standard actuation force    |  |
| Contact rating              |  |
| Electrical endurance        |  |
| Operating temperature range |  |
| Approvals                   |  |
| Dimensions (LxWxH)          |  |
| Packaging                   |  |

|                                                     |
|-----------------------------------------------------|
| SPDT, SPNC, SPNO                                    |
| No                                                  |
| Solder or Spade                                     |
| Pin plunger, short, normal, simulator lever, roller |
| 16 A Version: 1.2, 2.0, 3.0 N                       |
| 0.1 A Version: 0.55 N                               |
| 16 A @ 250 Vac                                      |
| 0.1 A @ 250 Vac                                     |
| up to 100,000 ops.                                  |
| -25...+130°C                                        |
| UL, cUL, ENEC                                       |
| 27.8 x 10.2 x 15.9 mm                               |
| Tray                                                |

|                                                    |
|----------------------------------------------------|
| SPDT                                               |
| No                                                 |
| TAB, THT, Solder terminals                         |
| Pin plunger, normal, long, simulator lever, roller |
| 0.8...2.5 N                                        |
| 5 A @ 250 Vac                                      |
| up to 50,000 ops.                                  |
| -25...+80°C                                        |
| UL, cUL, ENEC                                      |
| 19.8 x 6.4 x 10.6 mm                               |
| Tray                                               |

|                               |
|-------------------------------|
| SPDT                          |
| left and right                |
| THT                           |
| Straight lever, without lever |
| 0.3...1.5 N                   |
| UP3 version: 3A @ 125 Vac     |
| UP01 version: 0.1 @ 30 Vdc    |
| 1,000,000 ops.                |
| -25...+80°C                   |
| UL                            |
| 12.7 x 5.8 x 6.7 mm           |
| Tray                          |

## Power Rocker Switches

### PRA Series

- 13.0 mm x 19.2 mm panel cut-out
- Easy snap-in mounting



#### Power Rocker Switch

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Number of poles             | 1 or 2                                                        |
| Sealing                     | Dust resistant, optional waterproof cover                     |
| Type of terminals           | Solder lug or Quick connect                                   |
| Illumination versions       | single pole versions only                                     |
| Contact rating              | 1 pole version: 10A @ 250 Vac<br>2 pole version: 6A @ 250 Vac |
| Electrical endurance        | ≥ 6,000 ops.                                                  |
| Operating temperature range | -20...+85°C                                                   |
| Approvals                   | 1 pole vers.: cUL (VDE, ENEC)<br>2 pole vers.: cUL            |
| Packaging                   | Tray                                                          |

### PRC Series

- IP 66 waterproof
- 21.2 mm x 36.6 mm panel cut-out
- Easy snap-in mounting



|                             |                                  |
|-----------------------------|----------------------------------|
| Number of poles             | 1 or 2                           |
| Sealing                     | IP 66 waterproof                 |
| Type of terminals           | Solder lug, Quick connect, Screw |
| Illumination versions       | No                               |
| Contact rating              | 10A @ 250 Vac                    |
| Electrical endurance        | ≥ 6,000 ops.                     |
| Operating temperature range | -20...+85°C                      |
| Approvals                   | UL                               |
| Packaging                   | Tray                             |

### PRE Series

- 19.4 mm x 22.2 mm panel cut-out
- Easy snap-in mounting



|                             |                             |
|-----------------------------|-----------------------------|
| Number of poles             | 2                           |
| Sealing                     | Dust resistant              |
| Type of terminals           | Solder lug or Quick connect |
| Illumination versions       | Yes                         |
| Contact rating              | 6 A @ 250 Vac               |
| Electrical endurance        | ≥ 10,000 ops.               |
| Operating temperature range | -20...+85°C                 |
| Approvals                   | UL, VDE, ENEC               |
| Packaging                   | Tray                        |

### PRF Series

- 22.2 mm x 30.2 mm panel cut-out
- Easy snap-in mounting



#### Power Rocker Switch

|                             |                             |
|-----------------------------|-----------------------------|
| Number of poles             | 2                           |
| Sealing                     | Dust resistant              |
| Type of terminals           | Solder lug or Quick connect |
| Illumination versions       | Yes                         |
| Contact rating              | 10 A @ 250 Vac              |
| Electrical endurance        | ≥ 10,000 ops.               |
| Operating temperature range | -20...+85°C                 |
| Approvals                   | UL, VDE, ENEC               |
| Packaging                   | Tray                        |

### PRG Series

- 11.2 mm x 30.2 mm panel cut-out
- Easy snap-in mounting



|                             |                             |
|-----------------------------|-----------------------------|
| Number of poles             | 1                           |
| Sealing                     | Dust resistant              |
| Type of terminals           | Solder lug or Quick connect |
| Illumination versions       | Yes                         |
| Contact rating              | 10 A @ 250 Vac              |
| Electrical endurance        | ≥ 6,000 ops.                |
| Operating temperature range | -20...+85°C                 |
| Approvals                   | UL, VDE, ENEC               |
| Packaging                   | Tray                        |

## Preferred Part Numbers - DIP Switches

### GDS Series



| Product key | Positions | Mounting | Packaging     | Part number |
|-------------|-----------|----------|---------------|-------------|
| GDS0204     | 2         | THT      | tube          | 1825006-1   |
| GDS02S04    |           | SMT      |               | 1825006-3   |
| GDS02STR04  | 4         |          | tape and reel | 1825006-4   |
| GDS0404     |           | THT      | tube          | 1825006-5   |
| GDS04S04    |           | SMT      |               | 1825006-7   |
| GDS04STR04  | 6         |          | tape and reel | 1825006-8   |
| GDS0604     |           | THT      | tube          | 1825006-9   |
| GDS06S04    |           | SMT      |               | 1-1825006-1 |
| GDS06STR04  | 8         |          | tape and reel | 1-1825006-2 |
| GDS0804     |           | THT      | tube          | 1-1825006-3 |
| GDS08S04    |           | SMT      |               | 1-1825006-5 |
| GDS08STR04  | 10        |          | tape and reel | 1-1825006-6 |
| GDS1004     |           | THT      | tube          | 1-1825006-7 |
| GDS10S04    |           | SMT      |               | 1-1825006-9 |
| GDS10STR04  |           |          | tape and reel | 2-1825006-0 |

### GDP Series



| Product key | Positions | Mounting | Packaging     | Part number |
|-------------|-----------|----------|---------------|-------------|
| GDP0204     | 2         | THT      | tube          | 1571998-1   |
| GDP02STR04  |           | SMT      | tape and reel | 1571998-4   |
| GDP0404     | 4         | THT      | tube          | 1571998-5   |
| GDP04STR04  |           | SMT      | tape and reel | 1571998-8   |
| GDP0604     | 6         | THT      | tube          | 1571998-9   |
| GDP06STR04  |           | SMT      | tape and reel | 1-1571998-2 |
| GDP0804     | 8         | THT      | tube          | 1-1571998-3 |
| GDP08STR04  |           | SMT      | tape and reel | 1-1571998-6 |
| GDP1004     | 10        | THT      | tube          | 1-1571998-7 |
| GDP10STR04  |           | SMT      | tape and reel | 2-1571998-0 |

### GDR Series



| Product key | Positions | Mounting | Packaging | Part number |
|-------------|-----------|----------|-----------|-------------|
| GDR0404     | 4         | THT      | tube      | 1825286-3   |
| GDR04S04    |           | SMT      |           | 1825286-4   |
| GDR0804     | 8         | THT      |           | 1825286-7   |
| GDR08S04    |           | SMT      |           | 1825286-8   |

### GDH Series



| Product key | Positions | Mounting | Packaging     | Part number |
|-------------|-----------|----------|---------------|-------------|
| GDH02S04    | 2         | SMT      | tube          | 1571983-1   |
| GDH02STR04  |           |          | tape and reel | 1571983-3   |
| GDH04S04    | 4         |          | tube          | 1571983-4   |
| GDH04STR04  |           |          | tape and reel | 1571983-5   |
| GDH06STR04  | 6         |          |               | 1571983-9   |
| GDH08S04    |           |          | tube          | 1-1571983-0 |
| GDH08STR04  | 8         |          | tape and reel | 1-1571983-1 |

### GDHL Series



| Product key | Positions | Mounting | Packaging     | Part number |
|-------------|-----------|----------|---------------|-------------|
| GDHL04S     | 4         | SMT      | tube          | 1977103-3   |
| GDHL04STR   |           |          | tape and reel | 1977103-4   |
| GDHL08S     | 8         |          | tube          | 1977103-7   |
| GDHL08STR   |           |          | tape and reel | 1977103-8   |

### ADE Series



| Product key | Positions | Mounting | Packaging | Part number |
|-------------|-----------|----------|-----------|-------------|
| ADE0204     | 2         | THT      | tube      | 1825057-1   |
| ADE0404     | 4         |          |           | 1825057-3   |
| ADE04S04    |           | SMT      |           | 1825058-7   |
| ADE0604     | 6         | THT      |           | 1825057-5   |
| ADE0804     | 8         |          |           | 1825057-7   |
| ADE08S04    |           | SMT      |           | 1-1825058-9 |
| ADE1004     | 10        | THT      |           | 1825057-9   |

### ADF Series



| Product key                              | Positions | Mounting | Packaging     | Part number |
|------------------------------------------|-----------|----------|---------------|-------------|
| <b>ADF flush actuator</b>                |           |          |               |             |
| ADF0204                                  | 2         | THT      | tube          | 1825002-1   |
| ADF0404                                  | 4         |          |               | 1825002-5   |
| ADF0604                                  | 6         |          |               | 1825002-9   |
| ADF0804                                  | 8         |          |               | 1-1825002-3 |
| ADF1004                                  | 10        |          |               | 1-1825002-7 |
| <b>ADF flush actuator with seal tape</b> |           |          |               |             |
| ADF02STTR04                              | 2         | SMT      | tape and reel | 1825059-6   |
| ADF04STTR04                              | 4         |          |               | 1-1825059-8 |
| ADF06STTR04                              | 6         |          |               | 3-1825059-0 |
| ADF08STTR04                              | 8         |          |               | 4-1825059-2 |
| ADF10STTR04                              | 10        |          |               | 5-1825059-4 |

## Preferred Part Numbers - DIP Switches, DIP Shunts, Rotary (Continued)

### ADP Series



| Product key | Positions | Mounting | Packaging     | Part number |
|-------------|-----------|----------|---------------|-------------|
| ADP0204     | 2         | THT      | tube          | 1571999-1   |
| ADP02STR04  |           | SMT      | tape and reel | 1571999-4   |
| ADP0404     | 4         | THT      | tube          | 1571999-6   |
| ADP04STR04  |           | SMT      | tape and reel | 1571999-9   |
| ADP0604     | 6         | THT      | tube          | 1-1571999-6 |
| ADP06STR04  |           | SMT      | tape and reel | 1-1571999-9 |
| ADP0804     | 8         | THT      | tube          | 2-1571999-6 |
| ADP08STR04  |           | SMT      | tape and reel | 2-1571999-9 |
| ADP1004     | 10        | THT      | tube          | 3-1571999-6 |
| ADP10STR04  |           | SMT      | tape and reel | 3-1571999-9 |

### STV, STR Series



| Product key | Positions | Mounting        | Packaging | Part number |
|-------------|-----------|-----------------|-----------|-------------|
| STV04       | 4         | THT, vertical   | tube      | 1977104-2   |
| STV08       | 8         |                 |           | 1977104-4   |
| STR04       | 4         | THT, horizontal |           | 1977105-2   |
| STR08       | 8         |                 |           | 1977105-4   |

### DIP Series



| Product key | Positions | Mounting | Packaging | Part number |
|-------------|-----------|----------|-----------|-------------|
| DIP01       | 1         | THT      | tube      | 5161390-1   |
| DIP02       | 2         |          |           | 5161390-2   |
| DIP03       | 3         |          |           | 5161390-3   |
| DIP04       | 4         |          |           | 5161390-4   |
| DIP05       | 5         |          |           | 5161390-5   |
| DIP08       | 8         |          |           | 5161390-8   |

### HTH DIP Shunts



| Product key | Positions | Mounting | Packaging | Part number |
|-------------|-----------|----------|-----------|-------------|
| HTH04       | 4         | THT      | tube      | 1825190-3   |
| HTH08       | 8         |          |           | 1825190-7   |

### DIP-Fix



| Product key  | Positions     | Mounting | Packaging | Part number |
|--------------|---------------|----------|-----------|-------------|
| DIP-FIX-A104 | 4             | THT      | trays     | 1393546-4   |
| DIP-FIX-A108 | 8             |          |           | 1393546-8   |
| DIP-FIX-A124 | 24            |          |           | 1-1393546-3 |
| DIP-FIX-A201 | 1 changeover  |          |           | 1-1393546-4 |
| DIP-FIX-A202 | 2 changeover  |          |           | 1-1393546-5 |
| DIP-FIX-A204 | 4 changeover  |          |           | 1-1393546-7 |
| DIP-FIX-A212 | 12 changeover |          |           | 2-1393546-0 |

### MRD Series



| Product key | Positions     | Mounting | Packaging     | Part number |
|-------------|---------------|----------|---------------|-------------|
| MRD1004     | 10/BCD        | THT      | tube          | 1825013-1   |
| MRD10STR04  |               | SMT      | tape and reel | 1-1825013-1 |
| MRD10CSTR04 | 10/BCD compl. |          |               | 1825013-6   |
| MRD1604     | 16/Hex        | THT      | tube          | 1-1825013-1 |
| MRD16STR04  |               | SMT      | tape and reel | 2-1825013-0 |
| MRD16CSTR04 | 16/Hex compl. |          |               | 1-1825013-6 |

### DR-D/M/S/W Series



| Product key | Positions     | Mounting | Packaging     | Part number |
|-------------|---------------|----------|---------------|-------------|
| DRD10CE04   | 10/BCD compl. | THT      | tube          | 1825007-1   |
| DRD10E04    | 10/BCD        |          |               | 1825007-6   |
| DRD10SETR04 |               | SMT      | tape and reel | 1-1825007-0 |
| DRD16CE04   | 16/Hex compl. | THT      | tube          | 1-1825007-1 |
| DRD16E04    | 16/Hex        |          |               | 1-1825007-6 |
| DRD16SETR04 |               | SMT      | tape and reel | 2-1825007-0 |
| DRM10RA04   | 10/BCD        | THT      | tube          | 1825008-6   |
| DRM16RA04   | 16/Hex        |          |               | 1825008-8   |

## Preferred Part Numbers - Tactile Switches

### FSM . SM/JM Series, 3,5 x 6



| Product key         | Act. Force | Height | Mounting | Packaging     | Part number   |           |
|---------------------|------------|--------|----------|---------------|---------------|-----------|
| FSM SM/JM           |            |        |          |               |               |           |
| FSM2L               | 1.3 N      | 5 mm   | THT      | bulk          | 1825965-1     |           |
| FSM1L               |            | 4.3 mm |          |               | 1825966-1     |           |
| FSM1SM              | 1.8 N      | 4.3 mm | SMT      | tape and reel | 1437566-3     |           |
| FSM1SMTR            |            |        | SMT/J    |               | 1437566-4     |           |
| FSM1JMTR            |            |        |          |               | 147873-2      |           |
| FSM2JMTR            |            |        |          |               | 5 mm          | 147873-1  |
| FSM SM/JM S, Sealed |            |        |          |               |               |           |
| FSM2S               | 1.3 N      | 5 mm   | THT      | bulk          | 1571297-1     |           |
| FSM2SSMTR           |            | 4.3 mm | SMT      |               | tape and reel | 1571298-2 |
| FSM1SJMTR           |            |        | SMT/J    |               | 1571299-2     |           |
| FSM2SJMTR           |            |        |          |               | 5 mm          | 1571299-4 |

### FSM . SM/JM LP Series, 4 x 6



| Product key | Act. Force | Height | Mounting | Packaging     | Part number |
|-------------|------------|--------|----------|---------------|-------------|
| FSMJMLPTR   | 1.6 N      | 2.5 mm | SMT/J    | tape and reel | 1571528-1   |
| FSMJMLPATR  | 2.6 N      |        | SMT      |               | 1571528-2   |
| FSMSMLPTR   | 1.6 N      |        |          |               | 1825086-1   |
| FSMSMLPATR  | 2.6 N      |        |          |               | 1825086-2   |

## Preferred Part Numbers - Tactile Switches (Continued)

### FSM 6 x 6 Series



| Product key                                              | Act. Force | Height           | Mounting | Packaging     | Part number |
|----------------------------------------------------------|------------|------------------|----------|---------------|-------------|
| <b>FSMJ Series</b>                                       |            |                  |          |               |             |
| FSM2JH                                                   | 1.6 N      | 4.3 mm           | THT      | bulk          | 1825910-2   |
| FSM2JAH                                                  | 2.6 N      |                  |          |               | 1825910-3   |
| <b>FSMCD, Square Button</b>                              |            |                  |          |               |             |
| FSMCD1H                                                  | 1.6 N      | 7.5mm, □ 2.42mm  | THT      | bulk          | 1825967-1   |
| FSMCD2H                                                  |            | 7.5mm, □ 2.8mm   |          |               | 1825967-2   |
| <b>FSMRACD, Square Button, Right Angle</b>               |            |                  |          |               |             |
| FSMRACD1H                                                | 1.6 N      | 6.35mm, □ 2.42mm | THT      | bulk          | 1825968-1   |
| FSMRACD2H                                                |            | 6.35mm, □ 2.8mm  |          |               | 1825968-2   |
| <b>FSMJSM, SMT Mounting</b>                              |            |                  |          |               |             |
| FSM2JSMLS                                                | 1.0 N      | 4.3 mm           | SMT      | bulk          | 1977223-1   |
| FSM2JSMSTR                                               |            |                  |          | tape and reel | 1977223-2   |
| FSM2JSMAS                                                | 1.6 N      |                  |          | bulk          | 1977223-3   |
| FSM2JSMASR                                               |            |                  |          | tape and reel | 1977223-4   |
| FSM2JSMAS                                                | 2.6 N      |                  |          | bulk          | 1977223-5   |
| FSM2JSMASR                                               |            |                  |          | tape and reel | 1977223-6   |
| FSM4JSMXLS                                               | 0.7 N      | 5 mm             |          | bulk          | 1-1977223-3 |
| FSM4JSMXSTR                                              |            |                  |          | tape and reel | 1-1977223-4 |
| FSM4JSMAS                                                | 1.6 N      |                  |          | bulk          | 1977223-9   |
| FSM4JSMASR                                               |            |                  |          | tape and reel | 1-1977223-0 |
| FSM4JSMAS                                                | 2.6 N      |                  |          | bulk          | 1-1977223-1 |
| FSM4JSMASR                                               |            |                  |          | tape and reel | 1-1977223-2 |
| FSM6JSMAS                                                | 1.6 N      | 7 mm             |          | bulk          | 1-1977223-7 |
| FSM6JSMASR                                               |            |                  |          | tape and reel | 1-1977223-8 |
| FSM6JSMAS                                                | 2.6 N      |                  |          | bulk          | 1-1977223-9 |
| FSM6JSMASR                                               |            |                  |          | tape and reel | 2-1977223-0 |
| <b>FSMJEL, Extended Life, J-Lead</b>                     |            |                  |          |               |             |
| FSM2JELJ                                                 | 1.6 N      | 2.5 mm           | SMT/J    | bulk          | 1571625-5   |
| FSM2JELJTR                                               |            |                  |          | tape and reel | 1571625-6   |
| <b>FSMJEL, Extended Life, Gull Wing</b>                  |            |                  |          |               |             |
| FSM2JELG                                                 | 1.6 N      | 2.5 mm           | SMT/G    | bulk          | 1571626-5   |
| FSM2JELGTR                                               |            |                  |          | tape and reel | 1571626-6   |
| <b>FSMJEL, Extended Life, Gull Wing, Ground Terminal</b> |            |                  |          |               |             |
| FSM2JELGE                                                | 1.6 N      | 2.5 mm           | SMT/G    | bulk          | 1571636-5   |
| FSM2JELGETR                                              |            |                  |          | tape and reel | 1571636-6   |
| <b>FSM1LP, Low Profile</b>                               |            |                  |          |               |             |
| FSM1LPS                                                  | 1.6 N      | 3.09 mm          | SMT      | bulk          | 1977263-1   |
| FSM1LPSTR                                                |            |                  |          | tape and reel | 1977263-2   |
| FSM1LPAS                                                 | 2.6 N      |                  |          | bulk          | 1977263-3   |
| FSM1LPASTR                                               |            |                  |          | tape and reel | 1977263-4   |
| <b>FSMJJS, Sealed 7.6 mm</b>                             |            |                  |          |               |             |
| FSM1JSSM                                                 | 1.6 N      | 3.3 mm           | SMT      | bulk          | 1571296-1   |
| FSM1JSSMTR                                               |            |                  |          | tape and reel | 1571296-2   |
| FSM2JJS                                                  |            | 4.3 mm           | THT      | bulk          | 1571295-1   |
| FSM2JSSM                                                 |            |                  | SMT      |               | 1571294-1   |
| FSM2JSSMTR                                               |            |                  |          | tape and reel | 1571294-2   |
| FSM4JJS                                                  |            | 5 mm             | THT      | bulk          | 1571295-2   |
| FSM4JSSM                                                 |            |                  | SMT      |               | 1571294-3   |
| FSM4JSSMTR                                               |            |                  |          | tape and reel | 1571294-4   |
| <b>FSMJJS, Sealed 6 mm</b>                               |            |                  |          |               |             |
| FSM1JS6                                                  | 1.6 N      | 4.3 mm           | THT      | bulk          | 1977121-1   |
| FSM2JS6SM                                                |            |                  | SMT      |               | 1977265-1   |
| FSM2JS6SMTR                                              |            |                  |          | tape and reel | 1977265-2   |
| <b>FSMRAJS, Sealed Right Angle</b>                       |            |                  |          |               |             |
| FSMRAJS1SM                                               | 2.6 N      |                  | SMT      | bulk          | 1571407-1   |
| FSMRAJS1SMTR                                             |            |                  |          | tape and reel | 1571407-2   |
| <b>FSMRAJ, Right Angle</b>                               |            |                  |          |               |             |
|                                                          |            | Shaft length     |          |               |             |
| FSMRA1JH                                                 | 1.6 N      | 0.55 mm          | THT      | bulk          | 1825027-2   |
| FSMRA2JH                                                 |            | 1.25 mm          |          |               | 1825027-5   |
| FSMRA3JH                                                 |            | 3.25 mm          |          |               | 1825027-8   |
| FSMRA4JH                                                 |            | 5.74 mm          |          |               | 1-1825027-1 |
| FSMRA5JH                                                 |            | 3.55 mm          |          |               | 1-1825027-4 |
| FSMRA6JH                                                 |            | 4.25 mm          |          |               | 1-1825027-7 |
| FSMRA7JH                                                 |            | 9.25 mm          |          |               | 2-1825027-0 |
| FSMRA8JH                                                 |            | 13.26 mm         |          |               | 2-1825027-3 |

## Preferred Part Numbers - Tactile Switches (Continued)

### FSM 10 Series, 12 x 12



| Product key          | Act Force | Height | Mounting           | Packaging     | Part number |
|----------------------|-----------|--------|--------------------|---------------|-------------|
| <b>FSM10</b>         |           |        |                    |               |             |
| FSM100               | 1.6 N     | 4.3 mm | THT                | bulk          | 1437565-2   |
| FSM101               |           | 7.5 mm |                    |               | 1437565-3   |
| FSM102               |           | 12 mm  |                    |               | 1437565-4   |
| FSM103               |           | 7.3 mm | THT, square button |               | 1437565-5   |
| FSM104               |           | -      | THT, right angle   |               | 1437565-6   |
| <b>FSM10, Sealed</b> |           |        |                    |               |             |
| FSM100SSM            | 1.6 N     | 4.3 mm | SMT                | bulk          | 1571218-1   |
| FSM100SSMTR          |           |        |                    | tape and reel | 1571218-3   |
| FSM100S              |           |        | THT                | bulk          | 1571220-1   |

### FSM Turtle



| Product key | Act Force | Height | Mounting | Packaging     | Part number |
|-------------|-----------|--------|----------|---------------|-------------|
| FSMMST      | 1.6 N     | 1.8 mm | SMT      | bulk          | 1571262-1   |
| FSMMSTTR    |           |        |          | tape and reel | 1571262-2   |

### FSMMSH Series



| Product key | Act Force | Height | Mounting         | Packaging     | Part number |
|-------------|-----------|--------|------------------|---------------|-------------|
| FSMMSHPTR   | 1.6 N     | 3.3 mm | SMT, w/loc. pegs | tape and reel | 1977066-1   |
| FSMMSHTR    |           |        | SMT, no pegs     |               | 1977067-1   |

### FSM . MS Series



| Product key | Act Force | Height  | Mounting     | Packaging     | Part number |
|-------------|-----------|---------|--------------|---------------|-------------|
| FSM1MSJMPTR | 2.2±.8 N  | 1.5 mm  | SMT/J w/loc  | tape and reel | 1571908-1   |
| FSM1MSJMTR  |           |         | SMT/J wo/loc |               | 1571908-2   |
| FSM2MSSMATR | 2.5±.5 N  | 1.65 mm | SMT wo/loc   |               | 1571895-1   |
| FSM3MSJMPTR | 2.2±.8 N  |         | SMT/J w/loc  |               | 1571910-1   |
| FSM3MSJMTR  |           |         | SMT/J wo/loc |               | 1571910-2   |
| FSM3MSSMPTR |           |         | SMT w/loc    |               | 1571909-1   |
| FSM3MSSMTR  |           |         | SMT wo/loc   |               | 1571909-2   |

### FSMCT Series



| Product key | Act Force | Height | Mounting | Packaging     | Part number |
|-------------|-----------|--------|----------|---------------|-------------|
| FSMCTTR     | 1.6 N     | 1.5 mm | SMT      | tape and reel | 8-1437565-0 |
| FSMCTATR    | 2.6 N     |        |          |               | 8-1437565-1 |

### FSMLPU



| Product key | Act Force | Height | Mounting | Packaging     | Part number |
|-------------|-----------|--------|----------|---------------|-------------|
| FSMLPUTR    | 1.6 N     | 0.5 mm | SMT      | tape and reel | 1825534-1   |

## Preferred Part Numbers - Slide Switches

### ASE Series



| Product key       | Type | Contact material | Mounting   | Part number |
|-------------------|------|------------------|------------|-------------|
| ASE               |      |                  |            |             |
| ASE2204           | DPDT | Ag               | THT        | 1825010-1   |
| ASE22G04          |      | Au               |            | 1825010-2   |
| ASE22GL04         |      |                  | SMT/L      | 1825010-5   |
| ASE22GS04         |      |                  | SMT/rev. L | 1825010-7   |
| ASE22L04          | 4PDT | Ag               | SMT/L      | 1825010-6   |
| ASE22S04          |      |                  | SMT/rev. L | 1825010-8   |
| ASE4204           |      |                  | THT        | 1-1825010-3 |
| ASE42G04          |      | Au               |            | 1-1825010-4 |
| ASE42GL04         | 6PDT |                  | SMT/L      | 1-1825010-7 |
| ASE42L04          |      | Ag               |            | 1-1825010-8 |
| ASE42S04          |      |                  | SMT/rev. L | 2-1825010-0 |
| ASE6204           |      |                  | THT        | 3-1825010-7 |
| ASE62G04          | 6PDT | Au               |            | 3-1825010-8 |
| ASE62GL04         |      |                  | SMT/L      | 4-1825010-1 |
| ASE62L04          |      | Ag               |            | 4-1825010-2 |
| ASE Side Actuator |      |                  |            |             |
| ASE22R04          | DPDT | Ag               | THT        | 1825010-3   |
| ASE22RG04         |      | Au               |            | 1825010-4   |
| ASE22RGS04        |      |                  | SMT/rev. L | 1-1825010-1 |
| ASE22RL04         |      |                  | SMT/L      | 1-1825010-0 |
| ASE22RS04         | 4PDT | Ag               | SMT/rev. L | 1-1825010-2 |
| ASE42R04          |      |                  | THT        | 1-1825010-5 |
| ASE42RG04         |      | Au               |            | 1-1825010-6 |
| ASE42RGL04        |      |                  | SMT/L      | 2-1825010-1 |
| ASE42RL04         | 4P3T | Ag               |            | 2-1825010-2 |
| ASE42RS04         |      |                  | SMT/rev. L | 2-1825010-4 |
| ASE43R04          |      |                  | THT        | 2-1825010-7 |
| ASE43RG04         |      | Au               |            | 2-1825010-8 |
| ASE62R04          | 6PDT | Ag               |            | 3-1825010-9 |
| ASE62RG04         |      | Au               |            | 4-1825010-0 |
| ASE62RGL04        |      |                  | SMT/L      | 4-1825010-5 |
| ASE62RL04         |      | Ag               |            | 4-1825010-6 |

### ASF Series



| Product key       | Type | Contact material | Mounting   | Part number |
|-------------------|------|------------------|------------|-------------|
| ASF               |      |                  |            |             |
| ASF2204           | DPDT | Ag               | THT        | 1825011-1   |
| ASF22G04          |      | Au               |            | 1825011-2   |
| ASF22GL04         |      |                  | SMT/L      | 1825011-5   |
| ASF22GS04         |      |                  | SMT/rev. L | 1825011-9   |
| ASF22L04          | 4PDT | Ag               | SMT/L      | 1825011-7   |
| ASF22S04          |      |                  | SMT/rev. L | 1-1825011-1 |
| ASF4204           |      |                  | THT        | 2-1825011-1 |
| ASF42G04          |      | Au               |            | 2-1825011-2 |
| ASF42GL04         | 6PDT |                  | SMT/L      | 2-1825011-5 |
| ASF42L04          |      | Ag               |            | 2-1825011-7 |
| ASF42S04          |      |                  | SMT/rev. L | 3-1825011-1 |
| ASF6204           |      |                  | THT        | 6-1825011-1 |
| ASF62G04          | 6PDT | Au               |            | 6-1825011-2 |
| ASF62GL04         |      |                  | SMT/L      | 6-1825011-5 |
| ASF62L04          |      | Ag               |            | 6-1825011-7 |
| ASF62S04          |      |                  | SMT/rev. L | 7-1825011-1 |
| ASF Side Actuator |      |                  |            |             |
| ASF22R04          | DPDT | Ag               | THT        | 1825011-3   |
| ASF22RG04         |      | Au               |            | 1825011-4   |
| ASF22RGL04        |      |                  | SMT/L      | 1-1825011-3 |
| ASF22RGS04        |      |                  | SMT/rev. L | 1-1825011-7 |
| ASF22RS04         | 4PDT | Ag               |            | 1-1825011-9 |
| ASF42R04          |      |                  | THT        | 2-1825011-3 |
| ASF42RG04         |      | Au               |            | 2-1825011-4 |
| ASF42RGL04        |      |                  | SMT/L      | 3-1825011-3 |
| ASF42RL04         | 6PDT | Ag               |            | 3-1825011-5 |
| ASF42STR04        |      |                  | SMT/rev. L | 3-1825011-2 |
| ASF62R04          |      |                  | THT        | 6-1825011-3 |
| ASF62RG04         |      | Au               |            | 6-1825011-4 |
| ASF62RGL04        | 6PDT |                  | SMT/L      | 7-1825011-3 |
| ASF62RGS04        |      |                  | SMT/rev. L | 7-1825011-7 |

## Preferred Part Numbers - Slide Switches (Continued)

### S, SE Series



| Product key           | Type              | Mounting | Packaging     | Part number |
|-----------------------|-------------------|----------|---------------|-------------|
| S                     |                   |          |               |             |
| S1EGPC04              | 1 Pole, On-Off-On | THT      | bulk          | 5-1571005-2 |
| S2EGPC04              | 2 Pole, On-Off-On |          |               | 5-1571005-4 |
| S Right Angle         |                   |          |               |             |
| S1EGRA04              | 1 Pole, On-Off-On | THT      | bulk          | 5-1571006-2 |
| S2EGRA04              | 2 Pole, On-Off-On |          |               | 5-1571006-4 |
| SE Sealed             |                   |          |               |             |
| SE1EGPC04             | 1 Pole, On-Off-On | THT      | bulk          | 1825032-2   |
| SE2EGPC04             | 2 Pole, On-Off-On |          |               | 1825032-4   |
| SE1GSMTTR04           | 1 Pole, On-Off    | SMT      | tape and reel | 5-1571004-4 |
| SE1EGSMTTR04          | 1 Pole, On-Off-On |          |               | 5-1571004-5 |
| SE Sealed Right Angle |                   |          |               |             |
| SE1EGRA04             | 1 Pole, On-Off-On | THT      | bulk          | 1825031-2   |
| SE2EGRA04             | 2 Pole, On-Off-On |          |               | 1825031-4   |

### STS, SDS Series



| Product key | Type | Mounting | Throw function | Part number |
|-------------|------|----------|----------------|-------------|
| STS121PC04  | SPDT | THT      |                | 1825159-1   |
| STS1300PC04 | SP3T |          | common pin 2   | 1825161-1   |
| STS131PC04  |      |          |                | 1825159-2   |
| STS1400PC04 | SP4T |          | common pin 3   | 1825161-2   |
| STS141PC04  |      |          |                | 1825159-3   |
| STS151PC04  | SP5T |          |                | 1825159-4   |
| STS161PC04  | SP6T |          |                | 1825159-5   |
| STS220PC04  | DPDT |          |                | 1825163-1   |
| STS2300PC04 | DP3T |          | common pin 2   | 1825164-1   |
| STS230PC04  |      |          |                | 1825163-2   |
| STS2400PC04 | DP4T |          | common pin 3   | 1825165-1   |
| STS240PC04  |      |          |                | 1825163-3   |
| STS250PC04  | DP5T |          |                | 1825163-4   |
| STS260PC04  | DP6T |          |                | 1825163-5   |

### TSS Series



| Product key                | Type | Positions   | Packaging | Part number |
|----------------------------|------|-------------|-----------|-------------|
| TSS Single                 |      |             |           |             |
| TSS11DGPC04                | SPDT | On-None-On  | bulk      | 1571982-1   |
| TSS11EGPC04                |      | On-Off-On   |           | 1571982-4   |
| TSS Single, Flush actuator |      |             |           |             |
| TSS11DG1PC04               | SPDT | On-None-On  | bulk      | 1571982-2   |
| TSS11EG1PC04               |      | On-Off-On   |           | 1571982-3   |
| TSS Dual                   |      |             |           |             |
| TSS21KGPC04                | DPST | On-None-Off | bulk      | 1571982-5   |
| TSS21NGPC04                | DPDT | On-None-On  |           | 1571982-7   |
| TSS21PGPC04                |      | On-Off-On   |           | 1571982-9   |
| TSS Dual, Flush actuator   |      |             |           |             |
| TSS21NG1PC04               | DPST | On-None-Off | bulk      | 1571982-6   |
| TSS21PG1PC04               | DPDT | On-None-On  |           | 1571982-8   |
| TSD21DDGPC04               |      | On-Off-On   |           | 1825015-1   |

### MSS, MSSA Series



| Product key | Type | Contact material | Version     | Part number |
|-------------|------|------------------|-------------|-------------|
| MSS120004   | SPDT | Ag               | vertical    | 1825257-1   |
| MSS1200G04  |      | Au               |             | 1825257-2   |
| MSS1200R04  |      | Ag               |             | 1825258-1   |
| MSS1200RG04 |      | Au               | right angle | 1825258-2   |
| MSS130004   | SP3T | Ag               | vertical    | 1825259-1   |
| MSS1300G04  |      | Au               |             | 1825259-2   |
| MSS1300R04  |      | Ag               |             | 1825260-1   |
| MSS1300RG04 |      | Au               | right angle | 1825260-2   |
| MSS140004   | SP4T | Ag               | vertical    | 1571423-2   |
| MSS222504   | DPDT |                  |             | 1825262-1   |
| MSS2225G04  |      | Au               |             | 1825262-2   |
| MSS420004   | 4PDT | Ag               |             | 1825264-1   |
| MSS4200G04  |      | Au               |             | 1825264-2   |
| MSS4200R04  |      | Ag               | right angle | 1825265-1   |
| MSS4200RG04 |      | Au               |             | 1825265-2   |
| MSS430004   | 4P3T | Ag               | vertical    | 1825267-1   |
| MSS4300G04  |      | Au               |             | 1825267-2   |
| MSS4300R04  |      | Ag               |             | 1825268-1   |
| MSS4300RG04 |      | Au               | right angle | 1825268-2   |
| MSS620004   | 6PDT | Ag               | vertical    | 1825271-1   |
| MSS6200G04  |      | Au               |             | 1825271-2   |
| MSS635004   | 6P3T | Ag               |             | 1825273-1   |
| MSS6350R04  |      |                  | right angle | 1825274-1   |

## Preferred Part Numbers - Slide Switches (Continued)

### MSSA-01/04



| Product key | Type | Contact material | Positions  | Part number |
|-------------|------|------------------|------------|-------------|
| MSSA111DG   | SPDT | Au               | On-None-On | 2-1437580-9 |
| MSSA111EG   |      |                  | On-Off-On  | 3-1437580-0 |
| MSSA114D    |      | Ag               | On-None-On | 3-1437580-1 |
| MSSA114E    |      |                  | On-Off-On  | 3-1437580-2 |
| MSSA211NG   | DPDT | Au               | On-None-On | 4-1437580-9 |
| MSSA211N    |      | Ag               |            | 5-1437580-2 |

### MHS Series



| Product key            | Type | Contact material | Positions  | Part number |
|------------------------|------|------------------|------------|-------------|
| <b>MHS</b>             |      |                  |            |             |
| MHS12204               | SPDT | Ag               | On-None-On | 1825255-1   |
| MHS122G04              |      | Au               |            | 1825255-2   |
| MHS12304               |      | Ag               | On-Off-On  | 1825255-5   |
| MHS13304               |      |                  | On-On-On   | 1825255-7   |
| MHS133G04              |      | Au               |            | 1825255-8   |
| MHS22204               |      | Ag               | On-None-On | 1825289-1   |
| MHS222G04              |      | Au               |            | 1825289-2   |
| MHS22304               |      | Ag               | On-Off-On  | 1825289-5   |
| MHS223G04              |      | Au               |            | 1825289-6   |
| MHS23304               |      | Ag               | On-On-On   | 1825289-8   |
| MHS233G04              |      | Au               |            | 1825289-9   |
| <b>MHS Right Angle</b> |      |                  |            |             |
| MHS122GRA04            | SPDT | Au               | On-None-On | 1825256-4   |
| MHS122RA04             |      | Ag               |            | 1825256-1   |
| MHS123GRA04            |      | Au               | On-Off-On  | 1825256-5   |
| MHS123RA04             |      | Ag               |            | 1825256-2   |
| MHS133GRA04            | SP3T | Au               | On-On-On   | 1825256-6   |
| MHS133RA04             |      | Ag               |            | 1825256-3   |
| MHS222GRA04            | DPDT | Au               | On-None-On | 1825290-4   |
| MHS222RA04             |      | Ag               |            | 1825290-1   |
| MHS223GRA04            |      | Au               | On-Off-On  | 1825290-5   |
| MHS223RA04             |      | Ag               |            | 1825290-2   |
| MHS233GRA04            | DP3T | Au               | On-On-On   | 1825290-6   |
| MHS233RA04             |      | Ag               |            | 1825290-3   |

### SSJ Series



| Product key | Type | Contact material | Style       | Part number |
|-------------|------|------------------|-------------|-------------|
| SSJ1204     | SPDT | Ag               | vertical    | 1825280-1   |
| SSJ12R04    |      |                  | right angle | 1825282-1   |
| SSJ1304     | SP3T |                  | vertical    | 1825283-1   |

### SSA Series



| Product key | Type | Contact material | Style    | Part number |
|-------------|------|------------------|----------|-------------|
| SSA1204     | SPDT | Ag               | vertical | 1571981-1   |
| SSA12G04    |      | Au               |          | 1571981-2   |
| SSA2204     | DPDT | Ag               |          | 1571981-3   |
| SSA22G04    |      | Au               |          | 1571981-4   |

### SLS/SL/SLSA Series



| Product key | Type | Mounting | Style       | Part number |
|-------------|------|----------|-------------|-------------|
| SLS121PC04  | SPDT | THT      | vertical    | 1825115-1   |
| SLS121RA04  |      |          | right angle | 1825116-1   |
| SLS131PC04  | SP3T |          | vertical    | 1825117-1   |
| SLS131RA04  |      |          | right angle | 1825118-1   |
| SLS141PC04  | SP4T |          | vertical    | 1825119-1   |
| SLS141RA04  |      |          | right angle | 1825120-1   |
| SLS151PC04  | SP5T |          | vertical    | 1825121-1   |
| SLS151RA04  |      |          | right angle | 1825122-1   |
| SLS220PC04  | DPDT |          | vertical    | 1825080-1   |
| SLS230PC04  |      |          |             | 1825080-2   |
| SLS240PC04  | DP4T |          |             | 1825080-3   |
| SLS250PC04  | DP5T |          |             | 1825080-4   |
| SLS260PC04  | DP6T |          |             | 1825080-5   |

### MLL Series



| Product key | Type | Mounting | Packaging     | Part number |
|-------------|------|----------|---------------|-------------|
| MLL1200S    | SPDT | SMT      | tube          | 1437575-1   |
| MLL1200STR  |      |          | tape and reel | 1437575-2   |

## Preferred Part Numbers - Toggle Switches

### TST Series



| Product key             | Type                 | Contact material | Positions  | Part number |
|-------------------------|----------------------|------------------|------------|-------------|
| <b>TST</b>              |                      |                  |            |             |
| TST11DGPC1D04           | 1 Pole, PCB          | Ag               | On-None-On | 1825455-1   |
| <b>TST, Right Angle</b> |                      |                  |            |             |
| TST11DGRA1D04           | 1 Pole               | Ag               | On-None-On | 1825455-3   |
| TST11DGVRA1D04          | 1 Pole Vertical r.a. |                  |            | 1825455-4   |

### TT Series



| Product key    | Type              | Contact material | Positions   | Part number |
|----------------|-------------------|------------------|-------------|-------------|
| TT             |                   |                  |             |             |
| TT13A2T04      | 1 Pole, Wire Lugs | Ag               | On-None-Off | 1825222-2   |
| TT13D2T04      |                   |                  | On-None-On  | 1825222-3   |
| TT13E2T04      |                   |                  | On-Off-On   | 1825222-4   |
| TT23K2T04      | 2 Pole, Wire Lugs |                  | On-None-Off | 1825222-6   |
| TT23N2T04      |                   |                  | On-None-On  | 1825222-7   |
| TT11AGPC104    | 1 Pole, PCB       |                  | On-None-Off | 1825219-2   |
| TT11DGPC104    |                   |                  | On-None-On  | 1825219-3   |
| TT11EGPC104    |                   |                  | On-Off-On   | 1825219-6   |
| TT21KGPC104    | 2 Pole, PCB       |                  | On-None-Off | 1-1825219-0 |
| TT21NGPC104    |                   |                  | On-None-On  | 1-1825219-1 |
| TT Right Angle |                   |                  |             |             |
| TT11DGVRA104   | 1 Pole, PCB       | Ag               | On-None-On  | 1825219-5   |
| TT11EGVRA104   | 2 Pole, PCB       |                  | On-Off-On   | 1825219-9   |

### Gemini Series A



| Product key           | Type             | Contact material | Positions     | Part number |
|-----------------------|------------------|------------------|---------------|-------------|
| Gemini A              |                  |                  |               |             |
| A101SYCB04            | 1 Pole, PCB      | Au               | On - On       | 4-1825136-4 |
| A101SYCQ04            |                  | Ag               |               | 4-1825136-5 |
| A101SYZB04            | 1 Pole, Wire Lug | Au               |               | 4-1825136-8 |
| A101SYZQ04            |                  | Ag               |               | 4-1825136-9 |
| A103SYCB04            | 1 Pole, PCB      | Au               | On - Off - On | 1-1825137-5 |
| A103SYCQ04            |                  | Ag               |               | 1-1825137-6 |
| A103SYZB04            | 1 Pole, Wire Lug | Au               |               | 1-1825137-9 |
| A103SYZQ04            |                  | Ag               |               | 2-1825137-0 |
| A201SYCB04            | 2 Pole, PCB      | Au               | On - On       | 2-1825138-4 |
| A201SYCQ04            |                  | Ag               |               | 2-1825138-5 |
| A201SYZB04            | 2 Pole, Wire Lug | Au               |               | 2-1825138-7 |
| A201SYZQ04            |                  | Ag               |               | 2-1825138-8 |
| A203SYCB04            | 2 Pole, PCB      | Au               | On - Off - On | 1825139-8   |
| A203SYCQ04            |                  | Ag               |               | 1825139-9   |
| A203SYZQ04            | 2 Pole, Wire Lug |                  |               | 1-1825139-0 |
| A211SYCQ04            | 2 Pole, PCB      |                  | On - On - On  | 3-1825139-7 |
| A211SYZQ04            | 2 Pole, Wire Lug |                  |               | 3-1825139-9 |
| Gemini A, Right Angle |                  |                  |               |             |
| A101SYAV2B04          | 1 Pole, PCB      | Au               | On - On       | 1825136-8   |
| A103SYAV2B04          |                  |                  | On - Off - On | 2-1825136-5 |
| A103SYAV2Q04          |                  | Ag               |               | 1-1825137-4 |

### Gemini Series AE



| Product key                   | Type        | Contact material | Positions | Part number |
|-------------------------------|-------------|------------------|-----------|-------------|
| <b>Gemini AE</b>              |             |                  |           |             |
| AE101SD1CB04                  | 1 Pole, PCB | Au               | On-On     | 2-1825142-0 |
| AE101SD1CQ04                  |             | Ag               |           | 2-1825142-1 |
| AE103SD1CB04                  |             | Au               | On-Off-On | 3-1825142-0 |
| AE103SD1CQ04                  |             | Ag               |           | 3-1825142-1 |
| AE201SD1CB04                  | 2 Pole, PCB | Au               | On-On     | 1-1825143-0 |
| AE201SD1CQ04                  |             | Ag               |           | 1-1825143-1 |
| AE203SD1CB04                  |             | Au               | On-Off-On | 1-1825143-9 |
| <b>Gemini AE, Right Angle</b> |             |                  |           |             |
| AE101SD1AV2B04                | 1 Pole, PCB | Au               | On-On     | 1-1825142-8 |
| AE101SD1AV2Q04                |             | Ag               |           | 1-1825142-9 |
| AE103SD1AV2B04                |             | Au               | On-Off-On | 2-1825142-9 |
| AE201SD1AV2B04                |             |                  | On-On     | 1825143-9   |
| AE203SD1AV2B04                | 2 Pole, PCB |                  | On-Off-On | 1-1825143-7 |
| AE203SD1AV2Q04                |             | Ag               |           | 1-1825143-8 |

## Preferred Part Numbers - Toggle Switches, Push Buttons

### MT Series



| Product key     | Type           | Contact material | Position   | Part number |
|-----------------|----------------|------------------|------------|-------------|
| MTA             |                |                  |            |             |
| MTA306D04       | 3PDT, wire lug | Ag gold flash    | On-None-On | 3-1571920-0 |
| MTA306DPC04     | 3PDT, THT      |                  |            | 3-1571920-1 |
| MTA306E04       | 3PDT, wire lug |                  | On-Off-On  | 3-1571920-2 |
| MTA306EPC04     | 3PDT, THT      |                  |            | 3-1571920-3 |
| MTA406N04       | 4PDT, wire lug |                  | On-None-On | 3-1571920-8 |
| MTA406NPC04     | 4PDT, THT      |                  |            | 3-1571920-9 |
| MTA406P04       | 4PDT, wire lug |                  | On-Off-On  | 4-1571920-0 |
| MTA406PPC04     | 4PDT, THT      |                  |            | 4-1571920-3 |
| MTA Right Angle |                |                  |            |             |
| MTA8106DVRA04   | SPDT, THT      | Ag gold flash    | On-None-On | 1571922-4   |
| MTA8106EVRA04   |                |                  | On-Off-On  | 1571922-8   |
| MTE (Sealed)    |                |                  |            |             |
| MTE306D04       | 3PDT, wire lug | Ag gold flash    | On-None-On | 1-1571924-6 |
| MTE306E04       |                |                  | On-Off-On  | 1-1571924-7 |
| MTE406N04       | 4PDT, wire lug |                  | On-None-On | 1-1571924-8 |
| MTE406P04       |                |                  | On-Off-On  | 1-1571924-9 |

### AW Series



| Product key | Type        | Contact material | Position      | Part number |
|-------------|-------------|------------------|---------------|-------------|
| AWTD1504    | 1 pole, tab | Ag               | On-On         | 7-6437630-0 |
| AWTN1504    | 2 pole, tab |                  |               | 7-6437630-2 |
| AWTR1504    |             |                  | On-(On)       | 5-6437630-0 |
| AWTS1504    |             |                  | (On)-Off-(On) | 1-6437630-1 |
| AWTT1504    |             |                  | On-Off-(On)   | 1-6437630-0 |

### F Series



| Product key | Type            | Contact material | Position      | Part number |
|-------------|-----------------|------------------|---------------|-------------|
| FTD0904     | 1 pole, std.    | Ag               | On-On         | 2-6437630-0 |
| FTD09G04    |                 | Au               |               | 3-6437630-4 |
| FTD5904     | 1 pole, locking | Ag               |               | 1-6437630-5 |
| FTD59G04    |                 | Au               |               | 4-6437630-0 |
| FTD7904     | 1 pole, Long    | Ag               |               | 5-6437630-3 |
| FTE0904     | 1 pole, std.    |                  | On-Off-On     | 6-6437630-2 |
| FTH0904     |                 |                  | On-Off-(On)   | 4-6437630-8 |
| FTN0904     | 2 pole, std.    |                  | On-On         | 4-6437630-2 |
| FTN5904     | 2 pole, locking |                  |               | 3-6437630-9 |
| FTN59G04    |                 | Au               |               | 6-6437630-1 |
| FTP0904     | 2 pole, std.    | Ag               | On-Off-On     | 4-6437630-6 |
| FTP0904     |                 |                  | On-On-On      | 4-6437630-5 |
| FTS0904     |                 |                  | (On)-Off-(On) | 4-6437630-3 |
| F4TN0904    | 4 pole, std.    |                  |               | 3-6437630-5 |

### TP Series



| Product key      | Type      | Contact material | Version                    | Part number |
|------------------|-----------|------------------|----------------------------|-------------|
| TPA              |           |                  |                            |             |
| TPA11CGPC004     | SPST, THT | Au               | Rnd. no bushing            | 1825096-1   |
| TPA11FGPC004     | SPDT, THT |                  |                            | 1825096-7   |
| TPA, Right Angle |           |                  |                            |             |
| TPA11CGRA004     | SPST, THT | Au               | Rnd. no bushing            | 1825096-4   |
| TPA11FGRA004     | SPDT, THT |                  |                            | 1-1825096-0 |
| TPB              |           |                  |                            |             |
| TPB11CGPC004     | SPST, THT | Au               | Rnd. 0.188",<br>unthreaded | 1825097-1   |
| TPB11FGPC004     | SPDT, THT |                  |                            | 1825097-9   |
| TPB21MGPC004     | DPST, THT |                  |                            | 1-1825097-7 |
| TPB, Right Angle |           |                  |                            |             |
| TPB11CGRA004     | SPST, THT | Au               | Rnd. 0.188",<br>unthreaded | 1825097-6   |
| TPB11FGRA004     | SPDT, THT |                  |                            | 1-1825097-1 |

## Preferred Part Numbers - Push Buttons

### MP Series



| Product key        | Type | Mounting  | Function          | Part number |
|--------------------|------|-----------|-------------------|-------------|
| MPA                |      |           |                   |             |
| MPA106D04          | SPDT | Wire Lug  | Push On/ Push Off | 1825040-1   |
| MPA106DPC04        |      | THT       |                   | 1825040-3   |
| MPA106F04          |      | Wire Lug  | Momentary         | 1825040-2   |
| MPA106FPC04        |      | THT       |                   | 1825040-4   |
| MPA206N04          | DPDT | Wire Lug  | Push On/ Push Off | 1825040-5   |
| MPA206NPC04        |      | THT       |                   | 1825040-6   |
| MPA206R04          |      | Wire Lug  | Momentary         | 1825040-7   |
| MPA206RPC04        |      | THT       |                   | 1825040-8   |
| MPA306D04          | 3PDT | Wire Lug  | Push On/ Push Off | 1825040-9   |
| MPA306F04          |      |           | Momentary         | 1-1825040-0 |
| MPA406N04          | 4PDT |           | Push On/ Push Off | 1-1825040-1 |
| MPA406R04          |      |           | Momentary         | 1-1825040-2 |
| MPE (Splash proof) |      |           |                   |             |
| MPE106D04          | SPDT | Wire Lug  | Push On/ Push Off | 1825041-1   |
| MPE106F04          |      |           | Momentary         | 1825041-2   |
| MPE206N04          | DPDT |           | Push On/ Push Off | 1825041-3   |
| MPE206R04          |      | Momentary | 1825041-4         |             |
| MPE306D04          | 3PDT |           | Push On/ Push Off | 1825041-5   |
| MPE306F04          |      | Momentary | 1825041-6         |             |
| MPE406N04          | 4PDT |           | Push On/ Push Off | 1825041-7   |
| MPE406R04          |      |           | Momentary         | 1825041-8   |
| MPG                |      |           |                   |             |
| MPG106D04          | SPDT | Wire Lug  | Push On/ Push Off | 1825042-1   |
| MPG106F04          |      |           | Momentary         | 1825042-3   |
| MPG206N04          | DPDT |           | Push On/ Push Off | 1825042-5   |
| MPG206NPC04        |      | THT       |                   | 1825042-6   |
| MPG206R04          |      | Wire Lug  | Momentary         | 1825042-7   |
| MPG206RPC04        |      | THT       |                   | 1825042-8   |
| MPG306D04          | 3PDT | Wire Lug  | Push On/ Push Off | 1825042-9   |
| MPG306F04          |      |           | Momentary         | 1-1825042-0 |
| MPG406N04          | 4PDT |           | Push On/ Push Off | 1-1825042-1 |
| MPG406R04          |      |           | Momentary         | 1-1825042-2 |

## Preferred Part Numbers - Micro Switches

### MP Miniature Micro Switch



| Product key | Terminals      | Contacts  | Actuator        | Operating/Release | Part number |
|-------------|----------------|-----------|-----------------|-------------------|-------------|
| MP16DTCOLG  | spade terminal | SPDT 16 A | pin plunger     | 2.0 N / 0.5 N     | 1-1478607-1 |
| MP16DTCNLD  |                |           | normal lever    |                   | 1-1478607-3 |
| MP16DTCNRD  |                |           | normal roller   |                   | 1-1478607-6 |
| MP16DTCSMD  |                |           | simulator lever |                   | 1-1478607-7 |

### SP Sub Miniature Micro Switch



| Product key | Terminals | Contacts | Actuator        | Operating/Release | Part number |
|-------------|-----------|----------|-----------------|-------------------|-------------|
| SP5DTBOLE   | PCB       | SPDT 5 A | pin plunger     | 1.5 N / 0.2 N     | 1-1478601-1 |
| SP5DTBNLC   |           |          | normal lever    |                   | 1-1478601-2 |
| SP5DTBNRD   |           |          | normal roller   |                   | 1-1478601-4 |
| SP5DTBSMA   |           |          | simulator lever |                   | 1-1478601-5 |

### UP Ultra Miniature Micro Switch



| Product key  | Terminals | Contacts | Actuator     | Operating/Release | Part number |
|--------------|-----------|----------|--------------|-------------------|-------------|
| UP3DTANLA04  | PCB       | SPDT     | normal lever | 0.5 N / 0.08 N    | 1-1825043-5 |
| UP3DTAOLA04  |           | 3A       | pin plunger  | 1.5 N / 0.2 N     | 1-1825043-3 |
| UP01DTANLA04 |           | SPDT     | normal lever | 0.5 N / 0.08 N    | 1825043-3   |
| UP01DTAOLA04 |           | 0.1A     | pin plunger  | 1.5 N / 0.2 N     | 1825043-1   |

## Preferred Part Numbers - Power Rocker Switches

### PRA Series



| Product key                                                  | Switch function     | Rocker color | Text pattern            | Part number |
|--------------------------------------------------------------|---------------------|--------------|-------------------------|-------------|
| <b>PRA Series, 13.0x19.2mm panel cutout, 10A single pole</b> |                     |              |                         |             |
| PRASA1-16F-BB000                                             | On-Off, opaque      | black        | not applicable          | 1571076-9   |
| PRASA1-16F-BB0BW                                             |                     |              | 0 - , white printing    | 1-1571076-0 |
| PRASA1-16F-BB0CW                                             |                     |              | 0 I , white printing    | 1-1571076-1 |
| PRASA1-16F-BR000                                             |                     | red          | not applicable          | 6-1571076-5 |
| PRASA1-16F-BB0HW                                             |                     | black        | ON OFF, white pr.       | 2-1571076-0 |
| PRASD1-16F-BB000                                             |                     |              | not applicable          | 1571079-4   |
| PRASD1-16F-BB0DW                                             |                     |              | - = , white printing    | 1571079-5   |
| PRASD1-16F-BB0EW                                             |                     |              | I II , white printing   | 1571079-6   |
| PRASD3-16F-BB000                                             | On-Off-On, opaque   |              | not applicable          | 1571079-7   |
| PRASD3-16F-BB0FW                                             |                     |              | - 0 = , white printing  | 1571079-8   |
| PRASD3-16F-BB0GW                                             |                     |              | I 0 II , white printing | 1571079-9   |
| PRASD2-16F-BB000                                             | On-(On), opaque     |              | not applicable          | 1-1571079-0 |
| PRASD2-16F-BB0DW                                             |                     |              | - = , white printing    | 1-1571079-1 |
| PRASD2-16F-BB0EW                                             |                     |              | I II , white printing   | 1-1571079-2 |
| PRASD4-16F-BB000                                             | On-Off-(On), opaque |              | not applicable          | 1-1571079-3 |
| PRASD4-16F-BB0FW                                             |                     |              | - 0 = , white printing  | 1-1571079-4 |
| PRASD4-16F-BB0GW                                             |                     |              | I 0 II , white printing | 1-1571079-5 |
| <b>PRA Series, 13.0x19.2mm panel cutout, 6A double pole</b>  |                     |              |                         |             |
| PRADA1-12F-BB000                                             | On-Off, opaque      | black        | not applicable          | 1977068-1   |
| PRADA1-12F-BB0BW                                             |                     |              | 0 - , white printing    | 1977068-2   |
| PRADA1-12F-BB0CW                                             |                     |              | 0 I , white printing    | 1977068-3   |
| PRADA1-12F-BR000                                             |                     | red          | not applicable          | 1977068-4   |
| PRADA1-12F-BR0BW                                             |                     |              | 0 - , white printing    | 1977068-5   |
| PRADD1-12F-BB000                                             |                     | black        | not applicable          | 1977069-1   |
| PRADD1-12F-BB0DW                                             |                     |              | - = , white printing    | 1977069-2   |
| PRADD1-12F-BB0EW                                             |                     |              | I II , white printing   | 1977069-3   |
| PRADD3-12F-BB000                                             | On-Off-On, opaque   |              | not applicable          | 1977069-4   |
| PRADD3-12F-BB0FW                                             |                     |              | - 0 = , white printing  | 1977069-5   |
| PRADD3-12F-BB0GW                                             |                     |              | I 0 II , white printing | 1977069-6   |
| PRADD2-12F-BB000                                             |                     |              |                         | 1977069-7   |
| PRADD2-12F-BB0DW                                             | On-(On), opaque     |              | - = , white printing    | 1977069-8   |
| PRADD2-12F-BB0EW                                             |                     |              | I II , white printing   | 1977069-9   |
| PRADD4-12F-BB000                                             | On-Off-(On), opaque |              | not applicable          | 1-1977069-0 |
| PRADD4-12F-BB0FW                                             |                     |              | - 0 = , white printing  | 1-1977069-1 |
| PRADD4-12F-BB0GW                                             |                     |              | I 0 II , white printing | 1-1977069-2 |

### PRC Series



| Product key      | Switch function | Rocker color | Text pattern         | Part number |
|------------------|-----------------|--------------|----------------------|-------------|
| PRCSA1-20F-BB0BW | On-Off, opaque  | black        | 0 - , white printing | 1571095-2   |
| PRCSD1-20F-BB0DW | On-On, opaque   |              | - = , white printing | 1571100-2   |
| PRCDA1-20F-BB0BW | On-Off, opaque  |              | 0 - , white printing | 1571102-2   |
| PRCDD1-20F-BB0DW | On-On, opaque   |              | - = , white printing | 1571099-2   |

### PRE Series



| Product key      | Switch function       | Rocker color | Text pattern            | Part number |
|------------------|-----------------------|--------------|-------------------------|-------------|
| PRED1-07F-BB000  | On-Off, opaque        | black        | not applicable          | 1634200-1   |
| PRED1-07F-BB0BW  |                       |              | 0 - , white printing    | 1634200-2   |
| PRED1-07F-BB0CW  |                       |              | 0 I , white printing    | 1634200-3   |
| PREDB1-07F-BR000 | On-Off, illuminated   | red          | not applicable          | 1634200-7   |
| PREDB1-07F-BG000 |                       | green        |                         | 1634200-9   |
| PREDD1-07F-BB000 | On-On, opaque         | black        |                         | 1-1634200-1 |
| PREDD1-07F-BB0DW |                       |              | I II , white printing   | 1-1634200-2 |
| PREDD1-07F-BB0EW |                       |              | - = , white printing    | 1-1634200-3 |
| PREDD3-07F-BB0FW | On-Off-On, opaque     |              | I 0 II , white printing | 1-1634200-7 |
| PREDD3-07F-BB0GW |                       |              | - 0 = , white printing  | 1-1634200-8 |
| PREDD4-07F-BB000 | On-Off-(On), opaque   |              | not applicable          | 2-1634200-1 |
| PREDD4-07F-BB0FW |                       |              | I 0 II , white printing | 2-1634200-2 |
| PREDD4-07F-BB0GW |                       |              | - 0 = , white printing  | 2-1634200-3 |
| PREDD5-07F-BB000 | (On)-Off-(On), opaque |              | not applicable          | 2-1634200-4 |
| PREDD5-07F-BB0FW |                       |              | I 0 II , white printing | 2-1634200-5 |
| PREDD5-07F-BB0GW |                       |              | - 0 = , white printing  | 2-1634200-6 |

## Preferred Part Numbers - Power Rocker Switches (Continued)

### PRF Series



| Product key      | Switch function     | Rocker color | Text pattern           | Part number |
|------------------|---------------------|--------------|------------------------|-------------|
| PRFDA1-16F-BB000 | On-Off, opaque      | black        | not applicable         | 1634201-1   |
| PRFDA1-16F-BB0BW |                     |              | 0 - , white printing   | 1634201-2   |
| PRFDA1-16F-BB0CW |                     |              | 0 I , white printing   | 1634201-3   |
| PRFDB1-16F-BR000 | On-Off, illuminated | red          | not applicable         | 1634201-4   |
| PRFDB1-16F-BG000 |                     | green        |                        | 1634201-5   |
| PRFDB1-16F-BY000 |                     | yellow       |                        | 1634201-6   |
| PRFDD1-16F-BB000 | On-On, opaque       | black        |                        | 1634201-7   |
| PRFDD1-16F-BB0DW |                     |              | I II , white printing  | 1634201-8   |
| PRFDD1-16F-BB0EW |                     |              | - = , white printing   | 1634201-9   |
| PRFDD3-16F-BB000 | On-Off-On, opaque   |              | not applicable         | 1-1634201-0 |
| PRFDD3-16F-BB0FW |                     |              | I O II, white printing | 1-1634201-1 |
| PRFDD3-16F-BB0GW |                     |              | - O = , white printing | 1-1634201-2 |

### PRG Series



| Product key      | Switch function     | Rocker color | Text pattern         | Part number |
|------------------|---------------------|--------------|----------------------|-------------|
| PRGSB1-16F-BG000 | On-Off, illuminated | green        | not applicable       | 1634202-6   |
| PRGSB1-16F-BR000 |                     | red          |                      | 1634202-5   |
| PRGSA1-16F-BR000 | On-Off, opaque      | black        |                      | 1634202-4   |
| PRGSA1-16F-BB0BW |                     |              | 0 - , white printing | 1634202-3   |
| PRGSA1-16F-BB0AW |                     |              | • , white printing   | 1634202-2   |
| PRGSA1-16F-BB000 |                     |              | not applicable       | 1634202-1   |

© Tyco Electronics Austria GmbH 2008. All Rights Reserved.

All technical data listed is for description purposes only and does not guarantee characteristics. All drawings, photos and descriptions are subject to change without prior notice.

We are not able to guarantee that the specified circuits, descriptions and tables are not covered by rights of third parties. Terms of delivery and rights to change design reserved.

**Preferred Part Numbers (Continued)**
**Americas**

**Argentina** - Buenos Aires  
Phone: +54-11-4733-2200  
Fax: +54-11-4733-2211

**Brasil** - São Paulo  
Phone: +55-11-2103-6000  
Fax: +55-11-2103-6210

**Canada** - Toronto  
Phone: +905-475-6222  
Fax: +905-474-5520

**Product Information Center:**  
Phone: +905-470-4425  
Fax: +905-474-5525

**Chile** - Santiago  
Phone: +56-2-345-0300  
Fax: +56-2-223-1477

**Colombia** - Bogota  
Phone: +57-1-231-9398  
Fax: +57-1-660-0206

**Mexico** - Mexico City  
Phone: +52-55-1106-0800  
+01-800-733-8926  
Fax: +52-55-1106-0901

**For Latin/South American Countries not shown**  
Phone: +54-11-4733-2015  
Fax: +54-11-4733-2083

**United States** - Harrisburg, PA  
Phone: +1-717-564-0100  
Fax: +1-717-986-7575  
**Product Information Center:**  
Phone: +1-800-522-6752  
Fax: +1-717-986-7575

**Asia/Pacific**

**Australia** - Sydney  
Phone: +61-2-9554-2600  
Fax: +61-2-9502-2556

**Product Information Center:**  
Phone: +61-2-9840-8200  
Fax: +61-2-9634-6188

**India** - Bangalore  
Phone: +91-80-285-40800  
Fax: +91-80-285-40820

**Indonesia** - Jakarta  
Phone: +65-6482-0311  
Fax: +65-6482-1012

**Japan** - Kawasaki, Kanagawa  
Phone: +81-44-844-8111  
Fax: +81-44-812-3207

**Product Information Center:**  
Phone: +81-44-844-8013  
Fax: +81-44-812-3200

**Korea** - Seoul  
Phone: +82-2-3415-4500  
Fax: +82-2-3486-3810

**Malaysia** - Selangor  
Phone: +60-3-7805-3055  
Fax: +60-3-7805-3066

**New Zealand** - Auckland  
Phone: +64-9-634-4580  
Fax: +64-9-634-4586

**Philippines** - Makati City  
Phone: +632-848-0171  
Fax: +632-867-8661

**People's Republic of China** - Hong Kong  
Phone: +852-2735-1628  
Fax: +852-2735-0243  
  
Shanghai  
Phone: +86-21-2407-1588  
Fax: +86-21-2407-1599

**Singapore** - Singapore  
Phone: +65-6482-0311  
Fax: +65-6482-1012

**Taiwan** - Taipei  
Phone: +886-2-8768-2788  
Fax: +886-2-8768-2268

**Thailand** - Bangkok  
Phone: +66-2-955-0500  
Fax: +66-2-955-0505

**Vietnam** - Ho Chi Minh City  
Phone: +84-8-930-5546  
Fax: +84-8-930-3443

**Europe/Middle East/Africa**

**Austria** - Vienna  
Phone: +43-1-90-560-0  
Fax: +43-1-90-560-1333  
office.vienna@tycoelectronics.com  
**Product Information Center:**  
Phone: +43-1-90-560-1249  
Fax: +43-1-90-560-1251

**Belgium** - Kessel-Lo  
Phone: +32-16-352-300  
Fax: +32-16-352-352  
beneluxsales@tycoelectronics.com

**Bulgaria** - Sofia  
Phone: +359-2-971-2152  
Fax: +359-2-971-2153  
ampbg@internet-bg-net

**Czech Republic** - Kurim  
Phone: +420-5-41-162-111  
Fax: +420-5-41-162-223  
amp@tycoelectronics.cz  
**Product Information Center:**  
Phone: +420-5-41-162-113  
Fax: +420-5-41-162-132

**Denmark** - Glostrup  
Phone: +45-43-48-04-00  
Fax: +45-43-44-14-14  
info.dk@tycoelectronics.com

**Egypt** - Cairo  
Phone: +20-2-419-2334  
Fax: +20-2-417-7647

**Estonia** - Tartu  
Phone: +372-5138-274  
Fax: +372-7400-779

**Finland** - Helsinki  
Phone: +358-95-12-34-20  
Fax: +358-95-12-34-250  
info.fi@tycoelectronics.com

**France** - Cergy-Pontoise Cedex  
Phone: +33-1-3420-8888  
Fax: +33-1-3420-8600  
**Product Information Center:**  
Phone: +33-1-3420-8686  
Fax: +33-1-3420-8623

**France Export Divisions** - Cergy-Pontoise Cedex  
Phone: +33-1-3420-8804  
Fax: +33-1-3420-8699

**Germany** - Bensheim  
Tyco Electronics AMP GmbH  
Phone: +49-6251-133-0  
Fax: +49-6251-133-1600  
tyco-sales@tycoelectronics.com  
**Product Information Center:**  
Phone: +49-6251-133-1999  
Fax: +49-6251-133-1988

**Greece** - Athens  
Phone: +30-210-9370-396/397  
Fax: +30-210-9370-655

**Hungary** - Budapest  
Phone: +36-1-289-1000  
Fax: +36-1-289-1010  
**Product Information Center:**  
Phone: +36-1-289-1016  
Fax: +36-1-289-1017

**Ireland** - Dublin  
Phone: +353-1-820-3000  
Fax: +353-1-820-9790

**Israel** - Yokneam  
Phone: +972-4-959-0508  
Fax: +972-4-959-0506

**Italy** - Collegno (Torino)  
Phone: +39-011-4012-111  
Fax: +39-011-4031-116  
**Product Information Center:**  
Phone: +39-011-4012-360  
Fax: +39-011-4028-7360

**Lithuania & Latvia** - Vilnius  
Phone: +370-5-213-1402  
Fax: +370-5-213-1403  
**Product Information Center:**  
Phone: +370-5-211-3016  
Fax: +370-5-213-1403

**Netherlands** - 'sHertogenbosch  
Phone: +31-73-6246-246  
Fax: +31-73-6212-365  
beneluxsales@tycoelectronics.com  
**Product Information Center:**  
Phone: +31-73-6246-999  
Fax: +31-73-6246-998

**Norway** - Nesbru  
Phone: +47-66-77-88-50  
Fax: +47-66-77-88-55  
info.no@tycoelectronics.com

**Poland** - Warsaw  
Phone: +48-22-4576-700  
Fax: +48-22-4576-720  
poland.info@tycoelectronics.com  
**Product Information Center:**  
Phone: +48-22-4576-704  
Fax: +48-22-4576-720

**Romania** - Bucharest  
Phone: +40-21-311-3479 + 3596  
Fax: +40-21-312-0574

**Russia** - Moscow  
Phone: +7-495-790-7902  
Fax: +7-495-721-1893  
**Product Information Center:**  
Phone: +7-495-790-7902-404  
Fax: +7-495-790-7902-401

**Russia** - St. Petersburg  
Phone: +7-812-718-8192  
Fax: +7-812-718-8193

**Slovenia** - Ljubljana  
Phone: +386-1561-3270  
Fax: +386-1561-3240

**South Africa** - Port Elizabeth  
Phone: +27-41-503-4500  
Fax: +27-41-581-0440

**Spain** - Barcelona  
Phone: +34-93-291-0330  
Fax: +34-93-201-7879

**Sweden** - Upplands Väsby  
Phone: +46-8-50-72-50-00  
Fax: +46-8-50-72-50-01  
info.se@tycoelectronics.com

**Switzerland** - Steinach  
Phone: +41-71-447-0447  
Fax: +41-71-447-0444  
info.ch@tycoelectronics.com

**Turkey** - Istanbul  
Phone: +90-212-281-8181...3  
+90-212-282-5130/5430  
Fax: +90-212-281-8184  
ProductInfo.Turkey@tycoelectronics.com

**Ukraine** - Kiev  
Phone: +380-44-206-2265  
Fax: +380-44-206-2264

**United Kingdom** - Stanmore Middlesex  
Phone: +44-8706-080208  
Fax: +44-208-954-6234  
**Product Information Center:**  
FreePhone GB: +0800-267-666  
Phone: +44-8706-080208  
Fax: +44-208-420-8081

Tyco Electronics offers a comprehensive range of switches including DIP switches, slide switches, toggle switches, push buttons, micro switches, rotary switches, and industrial control switches. Accessories as knobs, caps, boot seals and the respective hardware round off our extensive range.

Our switches cover the widest range of applications, from white goods, building automation, office equipment, communications, test & measurement, remote control devices up to machinery and heating and air-conditioning systems.

Tyco Electronics does not only offer standard switches, but also customized switching solutions for customer applications from the mA range up to 25 A.

**Tyco Electronics Austria GmbH**

Pilzgasse 33

1210 Vienna

Austria

Phone: +43 1 90560-0

Fax: +43 1 90560-1333

[www.tycoelectronics.com](http://www.tycoelectronics.com)

© Tyco Electronics Corporation  
Catalogue No. 1308111, Issued 03-2008