



Switches Core Program

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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.

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



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

DIP-Fix

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



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



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., Hex, Hex compl.
Optional
20 mA @ 20 Vdc
20,000 ops.
-30...+85°C
7 x 7 x 3.3 mm
Tube, Tape and Reel

DR-/D/M/S/W Series

- Process sealed
- 10 mm edge length



for THT version only
10, 16
THT, SMT
Flush, Mini plastic shaft, Wheel, Metal shaft
Yes
BCD, BCD compl., Hex, Hex compl.
Optional
20 mA @ 20 Vdc
20,000 ops.
-30...+85°C
10 x 10 x 6.8 mm
Tube, Tape and Reel (for 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 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 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, 150 mA @ 12 Vdc SLA: 500 mA @ 125 Vac
Electrical endurance	10,000 ops.
Operating temperature range	SLS/SL: -10...+60°C, 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; Various bushings versions
Various lengths, round, flat, locking
Gold: 20 mA @ 20 Vdc
Silver (2pos): 3A@125Vac, 28Vdc
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, Wire wrap, Support brackets; Various bushings versions
different lengths, round, flat, 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, Wire wrap, Support brackets
different lengths, round, flat; 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, splash proof bat actuator, 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



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

MP Series

- Caps in different colours



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 2 pole version: 6A @ 250 Vac
Electrical endurance	≥ 6,000 ops.
Operating temperature range	-20...+85°C
Approvals	1 pole vers.: cUL (VDE, ENEC) 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 - 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	SMT	tape and reel	1825966-1
FSM1SM	1.8 N	4.3 mm			SMT/J
FSM1SMTR			1437566-4		
FSM1JMTR	4.3 mm	SMT/J	tape and reel		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	5 mm		SMT/J	tape and reel	1571299-2
FSM2SJMTR		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 10 Series, 12 x 12



Product key	Act Force	Height	Mounting	Packaging	Part number
FSM10					
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
FSM10, Sealed					
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
SE1GSMTR04	1 Pole, On-Off	SMT	tape and reel	5-1571004-4
SE1EGSMTR04	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 - 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", unthreaded	1825097-1
TPB11FGPC004	SPDT, THT			1825097-9
TPB21MGPC004	DPST, THT			1-1825097-7
TPB, Right Angle				
TPB11CGRA004	SPST, THT	Au	Rnd. 0.188", 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	
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 (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			1634202-4
PRGSA1-16F-BB0BW		black	0 - , white printing	1634202-3
PRGSA1-16F-BB0AW			• , white printing	1634202-2
PRGSA1-16F-BB000			not applicable	1634202-1

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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.

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