GENERAL PURPOSE SWITCH GP SERIES

General purpose switch GP Series

Heavy-duty snap-action switch with ultra-small travel differential

- Current rating up to 20 amps at 250 VAC
- Wide variety of actuators
- Screw or solder terminals available
- Mechanical life tested to over 20 million cycles
- Double throw switching function



Technical specifications

Series	GP ❶
Ambient temperature	0°C to +55°C max. UL −5°C to +40°C VDE
Dielectric strength	1,000 VAC 50/60 Hz for 1 minute
Insulation resistance	100 MΩ min. at 500 VDC
Initial contact resistance	15 mΩ max.
Mounting	US Holes: #6-32 Fastener with 6.0 In-Lb max. torque Metric Holes: M4 Fastener with 6.0 In-Lb max torque
UL file number	E184788

Material specifications

Case/cover	Phenolic
Actuator	Thermoplastic nylon
Contacts	Silver alloy
Terminals	Screw terminals: brass Solder terminals: copper alloy
Lever actuator	Nickel plated steel

Terminals ❷

Type	Code
Solder terminals	S
Screw terminals	T

Electrical rating and operating life ❸

Type		Code
according to EN *	**according to UL**	
–	20 A 250 VAC	B
15 A 250 VAC	15 A 250 VAC	C

* Only for versions with screw terminals

Actuator ❹

Actuator types	Code, 1st digit
Button	N
Straight lever	L
Roller	R

Actuator implementation	Code, 2nd digit
Pin button actuator	A
Button actuator	C
Overtravel button actuator	D
Impulse roller lever	G
Panelmount overtravel button actuator	H
Short hinge roller lever	M
Leaf roller level	R
Long straight lever	S

Mounting holes ❺

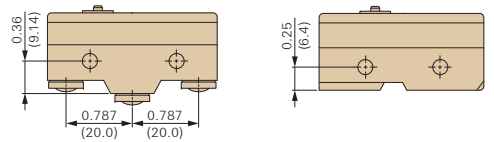
Type	Code
Metric version m4	01
US version #6-32	11

Generation of order code (example)
The order code consists of 5 parameters:

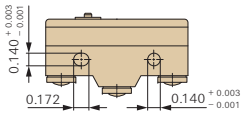
❶	❷	❸	❹	❺
Series	Terminals	Electrical rating	Actuator	Mounting holes
GP = General purpose switch	T = Screw terminal	B = 20 A, 250 VAC	LS = Long straight lever	01 = Metric version M4

- Not every configurable variant is available for order. Please contact us.
- The final two digits of article numbers on commercial documents refer to the index of the respective drawing.

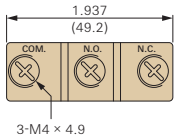
Terminal types



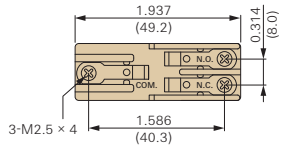
Mounting holes



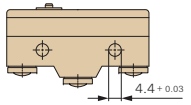
U.S. version



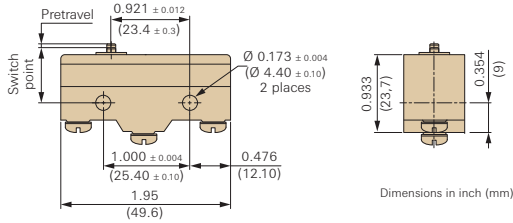
Screw terminal



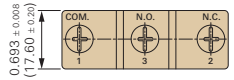
Solder terminal



Metric version M4



Dimensions in inch (mm)



Terminal callouts may also be listed numerically.

Commonly stocked parts

Switch	Contact arrangement	Electric rating according to EN	Electric rating according to UL	Terminals	Actuator
GPTBLS01	Double throw	15 A 250 VAC	20 A 250 VAC	Screw terminal	Long straight lever
GPTBNA01	Double throw	15 A 250 VAC	20 A 250 VAC	Screw terminal	Pin button actuator
GPTBRM01	Double throw	15 A 250 VAC	20 A 250 VAC	Screw terminal	Short hinge roller lever
GPTCLR01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Leaf actuator
GPTCLS01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Long straight lever
GPTCLS02	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Straight lever
GPTCNA01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Pin button actuator
GPTCNC01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Button actuator
GPTCND01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Overtravel button actuator
GPTCNH01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Panelmount overtravel button actuator
GPTCRG01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Impuls roller lever
GPTCRH01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Panelmount overtravel roller actuator
GPTCRH02	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Panelmount overtravel cross roller actuator
GPTCRM01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Short hinge roller lever
GPTCRR01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Leaf roller lever
GPTCRS01	Double throw	15 A 250 VAC	15 A 250 VAC	Screw terminal	Long hinge roller lever

For detailed information please note the technical specifications which you can find in the download section of our website **www.switches-sensors.zf.com**.