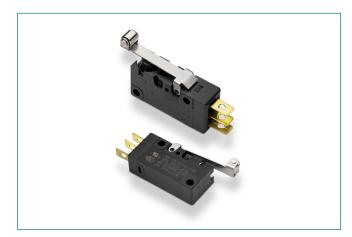
Splash Proof Mid Size Snap-acting Switches





Agency Approvals

Agency	Agency File Number
c SN us	E42363
15	ENEC-03368

Specifications

	0.1A @ 125/250 V AC	10,000 operations
Contact Rating/ Electrical Life	3A @ 125/250 VAC	10,000 operations
	6A @ 125/250 VAC	10,000 operations
	10A @ 125/250 VAC	10,000 operations
Electrical Operating Frequency	10-30 operations per min.	
Mechanical Life	1,000,000 operations	
Mechanical Operating Frequency	120 operations per min.	
Insulation Resistance	(at 500 VDC/minute) 100 M ohm min.	
Dielectric Strength	1500 VAC (50-60 Hz)	
Operating Temperature	-40°C to 85°C (with no icing)	
Operating Force	200 grams	

Description

The TFS series are perfect for alarm devices, home security systems, air conditioners and food processors because of their reliability in the face of repeated use and difficult conditions. With a reliable snap action mechanism, TFS series splash proof mid size snap-acting switch offers designers the low cost/high-performance mix they need to be successful.

Features & Benefits

- Reliable snap action mechanism
- Low cost high performance
- RoHS compatible
- IP40

Applications

- Alarm devices / Home security
- Air conditioner
- Food processor
- Water heaters
- Industrial
- Forklifts

Materials

Case	Nylon
Cover/Actuator	PBT
Movable Contacts	Silver alloy
Terminals	Brass
Lever	Stainless steel
Wire	PVC+CU

Notes:

Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service center.

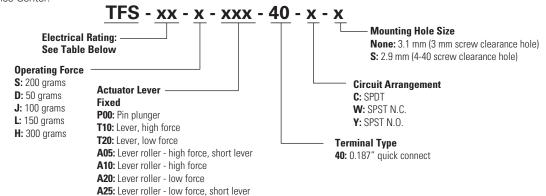


Splash Proof Mid Size Snap-acting Switches



Ordering Number

To order, simply select desired option from each category and place in the appropriate box. For additional options not shown in catalog, consult Customer Service Center.



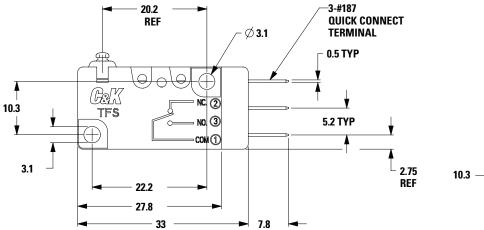
Electrical Rating

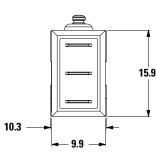
Electrical	AMPS		Ор	erating Fo	rce	
Rating	(grams)	S (200)	D (50)	J (100)	L (150)	H (300)
01	0.1	•	•	•	•	•
03	3	•	•	•	•	•
06	6	•	•	•	•	•
10	10	•	X	Χ	Χ	•

Note: • Available X Not Available

TFS Series

Mid Size Snap-Acting Switches







TFS SeriesSplash Proof Mid Size Snap-acting Switches



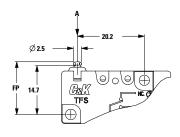
Electrical Rating

Option Code	RoHS Compliant	RoHS Compatible	Electrical Rating
10	Yes		10A @ 125/250 V AC / 10,000 operations
06	Yes		6A @ 125/250 VAC / 10,000 operations
03	Yes		3A @ 125/250 VAC / 10,000 operations
01	Yes		0.1A @ 125/250 VAC / 10,000 operations

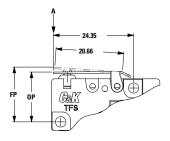
Operating Force

Option Code	Basic Switch Operating Force (grams)
S	200 grams
D	50 grams
J	100 grams
L	150 grams
Н	300 grams

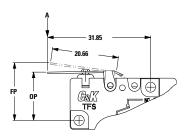
P00 Push Button



Actuator T10 Lever, High Force



T20 Lever, Low Force



Note: Measure at Point "A"

Max. Operating Force	200 grams
Min. Release Force	30 grams
Operating pos. OP	$14.7 \pm 0.4 \text{ mm}$
Max. movement diff.	0.4 mm
Min. over travel OT	1.0 mm
Max. pre-travel PT	1.2 mm

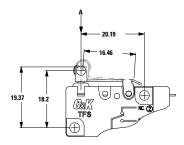
Max. Operating Force	160 grams
Min. Release Force	25 grams
Operating pos. OP	15.1 ± 0.6 mm
Max. movement diff.	0.6 mm
Min. over travel OT	1.1 mm
Max. pre-travel PT	2.6 mm

Max. Operating Force	90 grams
Min. Release Force	10 grams
Operating pos. OP	15 ± 1.1 mm
Max. movement diff.	1.1 mm
Min. over travel OT	1.2 mm
Max. pre-travel PT	5.1 mm

Splash Proof Mid Size Snap-acting Switches



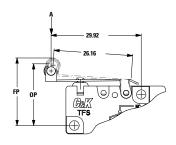
A05 Lever Roller, High Force, Short Lever



Note: Measure at Point "A"

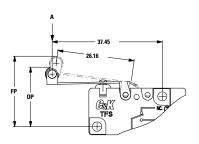
Max. Operating Force	200 grams
Min. Release Force	30 grams
Operating pos. OP	20.6 ± 0.5 mm
Max. movement diff.	0.5 mm
Min. over travel OT	1.0 mm
Max. pre-travel PT	2.1 mm

A10 Lever Roller, High Force



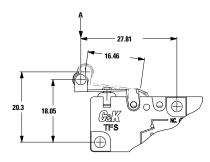
Max. Operating Force	130 grams
Min. Release Force	20 grams
Operating pos. OP	20.4 ± 0.7 mm
Max. movement diff.	0.7 mm
Min. over travel OT	1.3 mm
May pre-travel PT	3.3 mm

A20 Lever Roller, Low Force



Max. Operating Force	70 grams
Min. Release Force	10 grams
Operating pos. OP	20.2 ± 1.2 mm
Max. movement diff.	1.4 mm
Min. over travel OT	1.5 mm
Max. pre-travel PT	6.5 mm

A25 Lever Roller, Low Force, Short Lever



Note: Measure at Point "A"

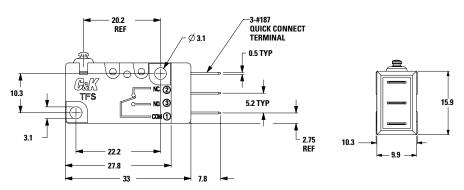
Max. Operating Force	200 grams
Min. Release Force	30 grams
Operating pos. OP	20.6 ± 0.5 mm
Max. movement diff.	0.5 mm
Min. pre-travel PT	2.1 mm
Max. over travel OT	1.0 mm

Splash Proof Mid Size Snap-acting Switches



Terminal Type

40 0.187" Quick Connect



Circuitry

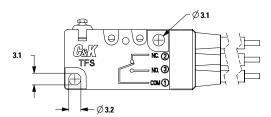
C SPDT (Single Pole, Double Throw)

W SPST N.C. (Single Pole, Single Throw Normally Closed)

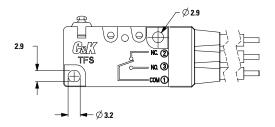
Y SPST N.O. (Single Pole, Single Throw Normally Open)

Mounting Hole Size

None 3.1 mm (3mm Screw Clearance Hole



S 2.9 mm (4-40 Screw Clearance Hole)



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