

Well known for their quality and reliability, **Bulgin's toggle switches** are **cost effective** solutions to many existing applications. These switches offer features at an attractive price point often well below that of the existing competition.

- ⬢ Nylon and Metal switch variants
- ⬢ Multiple Lever Options
- ⬢ Ratings up to 20A, 250V ac - 277V ac
- ⬢ IP67 panel seal versions, supplied complete with gaskets (3900 Series – All Variants)
- ⬢ Single and double Contact
- ⬢ Choice of circuit options including 3 position and momentary
- ⬢ Mounting hole: 12.2mm diameter.
- ⬢ Sealing accessories available
- ⬢ Quick Connect, Solder, Screw and PCB Termination Options



3900 Metal Toggle Switches

16A 250Vac - IP67 Sealed Versions



Key Features

- Metal toggle switches
- Ratings up to 20A, 277V ac
- Single and double Contact
- Choice of circuits including 3 position and momentary
- Sealed version supplied complete with gaskets
- Panel seal version to IP67
- 6.3mm terminals
- Guard option

Terminal	Function	Actuator	Body	Options
C 6.3 x 0.8 S 10.5 Screw & Clamp T 10.5 Ø 3.1 Solder	Single Contact 3900 ON - OFF 3901 ON - OFF (momentary ON) 3902 ON - OFF (momentary OFF) 3910 ON - ON 3911 ON - ON (momentary 1 side) 3920 ON - OFF - ON µ 3921 ON - OFF - ON µ (momentary 1 side) 3922 ON - OFF - ON µ (momentary 2 sides) Double Contact 3950 ON - OFF 3951 ON - OFF (momentary ON) 3952 ON - OFF (momentary OFF) 3960 ON - ON 3961 ON - ON (momentary 1 side) 3970 ON - OFF - ON µ 3971 ON - OFF - ON µ (momentary 1 side) 3972 ON - OFF - ON µ (momentary 2 sides)	A 10.0 Metal toggle finish is nickel plate B 17.5 Metal toggle finish is nickel plate D 25.4 E 38.1 Metal toggle finish is nickel plate F 17.5 Metal toggle finish is nickel plate	A Single Contact Thread: 15/32" x 32TPI Keyway 17.5 10.5 17.0 E Panel sealed, single Contact Thread: 15/32" x 32TPI Keyway 17.5 10.5 17.0 A Double Contact, without barrier Thread: 15/32" x 32TPI Keyway 17.5 10.0 30.6 B Double Contact, with barrier Thread: 15/32" x 32TPI Keyway 17.5 10.0 30.6 F Panel sealed, double Contact, with terminal barrier Thread: 15/32" x 32TPI Keyway 17.5 10.0 31.1 Switches with F toggles have double Contact bodies, regardless of circuit G Panel sealed, double Contact, without terminal barrier Thread: 15/32" x 32TPI Keyway 17.5 10.0 31.1	Neck Seal M539 Actuator is visible Cover M1080 Covers have internal nylon nuts M1080-2 Covers have internal metal hex nuts Fixing nuts Nickel plated brass are supplied Knurled Front nut Panel thickness 4.0 with backnut Plate P236 Plate SP or DP

Approvals and specifications

 ENEC approval currently pending
 16A, 277Vac
 1 HP, 250Vac

 7A, 72Vdc
 14A, 36Vdc

3910, 3901, 3952, 3960, 3961, 3970, 3971, 3972
 16A, 277Vac
 1 HP, 250Vac
 1/2 HP, 125Vac
 7A, 72Vdc
 14A, 36Vdc

3900, 3950
 20A, 277Vac
 1 HP, 250Vac
 1/2 HP, 125Vac
 7A, 72Vdc
 14A, 36Vdc

ENEC Ratings
 3900, 3901, 3902, 3950, 3952, 3960, 3961
 16(4)A 250Vac

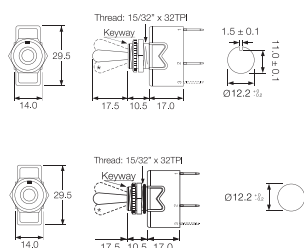
3910, 3911, 3920, 3921, 3922, 3951, 3970, 3972
 10 4)A 250Vac

Approvals and ratings vary with function.
 3mm contact gap except where marked μ .

Dimensions mm * Indicates ON position (for ON - OFF switches)

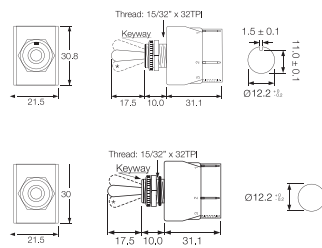
Single Contact

(C terminals shown)



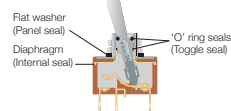
Double Contact

(C terminals shown with barrier)



Toggle Switch - sealed version

BE and BF types



Guard TG1-RED



Examples



 C3900BE ---



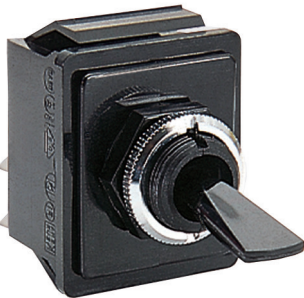
 C3920BA ---



 C3950BF ---



 C3972BB ---



Key Features

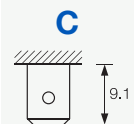
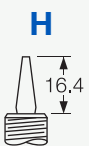
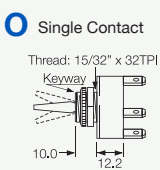
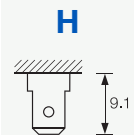
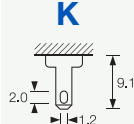
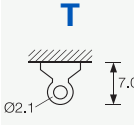
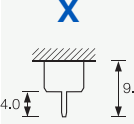
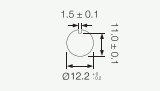
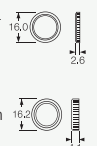
- Nylon toggle switches
- Ratings up to 20A, 250V ac
- Single and double Contact
- Wide choice of terminals
- Choice of circuit options including 3 position
- Flat & round actuator options

Approvals and specifications

16(4)A 250Vac T85 (ENEC approval pending)

- UL 20A 250Vac Non Ind (Single Contact)
- UL 16A 250Vac Non Ind (Double Contact)
- UL (2 pos types) 250Vac 1hp, 125Vac 1/2hp
- UL (3 pos types) 250Vac 1/2hp, 125Vac 1/4hp
- CSA 16A 250Vac Non Ind
- UL 85°C, file E45221, CSA file LR10990
- UL and CSA N/A on momentary types

Selective “A, B, C” and “OFF, A, A+B” circuits at 5 amp also available.
3mm contact gap except where marked μ .

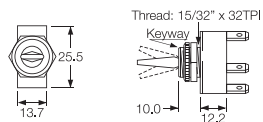
Terminal	Function	Actuator	Body	Options
 C	 Single Contact 1700 ON - OFF 	 H 16,4	 O Single Contact Thread: 15/32" x 32TPI Keyway 10,0 12,2	Neck Seal M539 Material - Nitrile (H & R Actuators) Actuator visible 
 H	 Double Contact 1750 ON - OFF 			Cover M1080 Material - EPDM (R Actuator only) 
 K	1710 μ ON - ON 	1760 μ ON - ON 		Cover M531 Material - PVC (R Actuator only) 
 T	1720 μ ON - OFF - ON 	1770 μ ON - OFF - ON 	 R 13,8	Covers have internal nylon nuts Fixing nuts (Standard is M506 & T92)
 X	1721 μ ON - OFF - ON μ (momentary 1 side) 		 Panel hole (all types) Panel thickness (Max) Both nuts - 3.5mm Less backnut - 6.5mm	T5 Hex brass M506 Hex nylon 
	1722 ON - OFF - ON μ (momentary 2 sides) 			T92 Knurled brass - slotted M279 Knurled nylon 
		The switch is on between centre terminals (2 & 5) and the terminals over which the lever is positioned.		Plate P236 Plate SP or DP 

Dimensions

mm) * Indicates ON position (for ON - OFF switches)

Single Contact

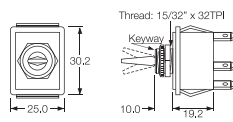
(C terminals shown)



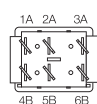
Optional
F00232PAAA
plate SP or DP

Double Contact

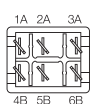
(C terminals shown)



Without barrier



With barrier



Examples



C1700R - -



C1700H - -



C1760R - -



C1750H - -