DataSheet
CAM TNC Switch

ProgeTech
Innovation & Engineering

ProgeTech's New Prog cam TNC Switches offers a complete range of switches for control, making and breaking circuit, isolation of power circuit

www.progetech.it

Breaker Control Switches (TNC)

Product Features

- Compact Design
- 60 Degree Angle of Throw
- Pistol Grip Handle
- Spring Loaded Mechanism
- Standard Mounting Plate

Application

TNC switch is a three position switch , when it is in close position it put the circuit breaker in operation by energizing the closing coil and when it is in trip position it will trip the circuit by energising the trip coil in circuit breaker.
The switch return to neutral position after any operation (either close or trip) . It makes close & open commands Momentarily
A focused range of Cam Spring Return Series switches cover most of applications with different contact designs, contact materials and terminal allow their use as control switches as well as in electronic circuitry and in aggressive environment according to IEC/EN 60947-1,3 &5

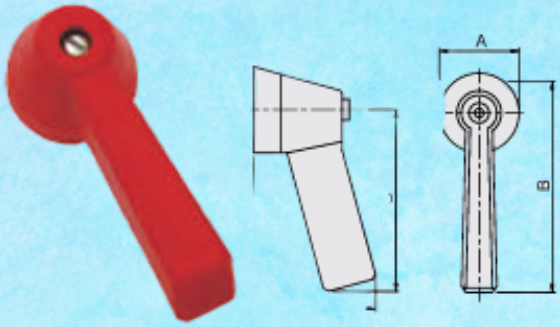
Operations

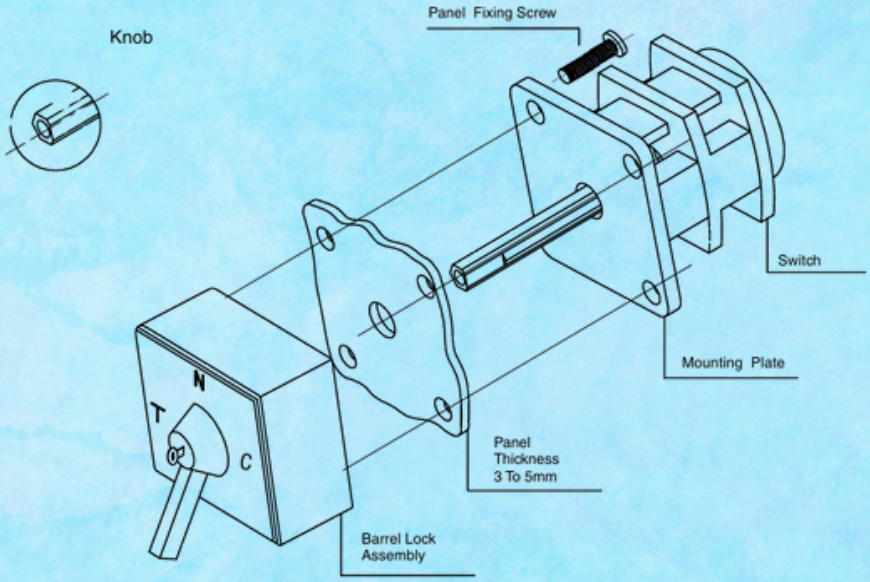
TNC (Trip Neutral Close) in normal condition the switch will be in Neutral position. To close the circuit breaker, user need to rotate the switch knob in direction of ''Close'' as mentioned in TNC switch and breaker will be in operation. We need to rotate the switch knob in the direction of ''Trip'' as mentioned in TNC switch so that the circuit breaker will get tripped for maintenance.

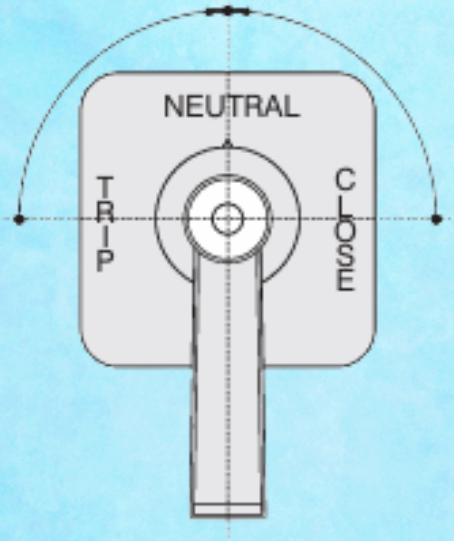
Normally Open (N.O.) & Normally Close (N.C.)

Momentary switches can be described as normally open or normally close, which refers to original or rest position of the switch. Normally open momentary switch has one or more circuits that are open when actuator is at its normal or rest position. An open circuit is an incomplete circuit with open space between contacts, Therefore N.O. Circuit also known as “Normally Off”.

Normally close momentary switch has one or more circuits that are close when actuator is at its normal or rest position. A close circuit is a complete circuit with closed contacts. Therefore N.C. Circuit also known as “Normally ON”.







DC Breaking Capacity									
Voltage	No. of Contacts in series	TNC 25				TNC 32			
		Resistive Amps	Inductive L/R Amps			Resistive Amps	Inductive L/R Amps		
			10 msec	20 msec	40 msec		10 msec	20 msec	40 msec
50 V	1	20	20	15	6	25	25	18	8
	2	-	-	20	14	-	-	25	18
	3	-	-	-	20	-	-	-	25
125 V	1	3	2.5	1.5	1.0	5	3	2	1.2
	2	20	15	10	5	25	18	12	6
	3	-	20	20	10	-	25	v	12
250 V	1	1.0	0.5	0.3	0.2	1.2	0.6	0.4	0.3
	2	5	2	1.0	0.5	6	2.5	1.2	0.6
	3	20	10	4	1	25	12	5	1.2