

TS SERIES TOGGLE SWITCHES

General purpose toggle switches with secure voltage ratings and high in-rush current options.



Applications

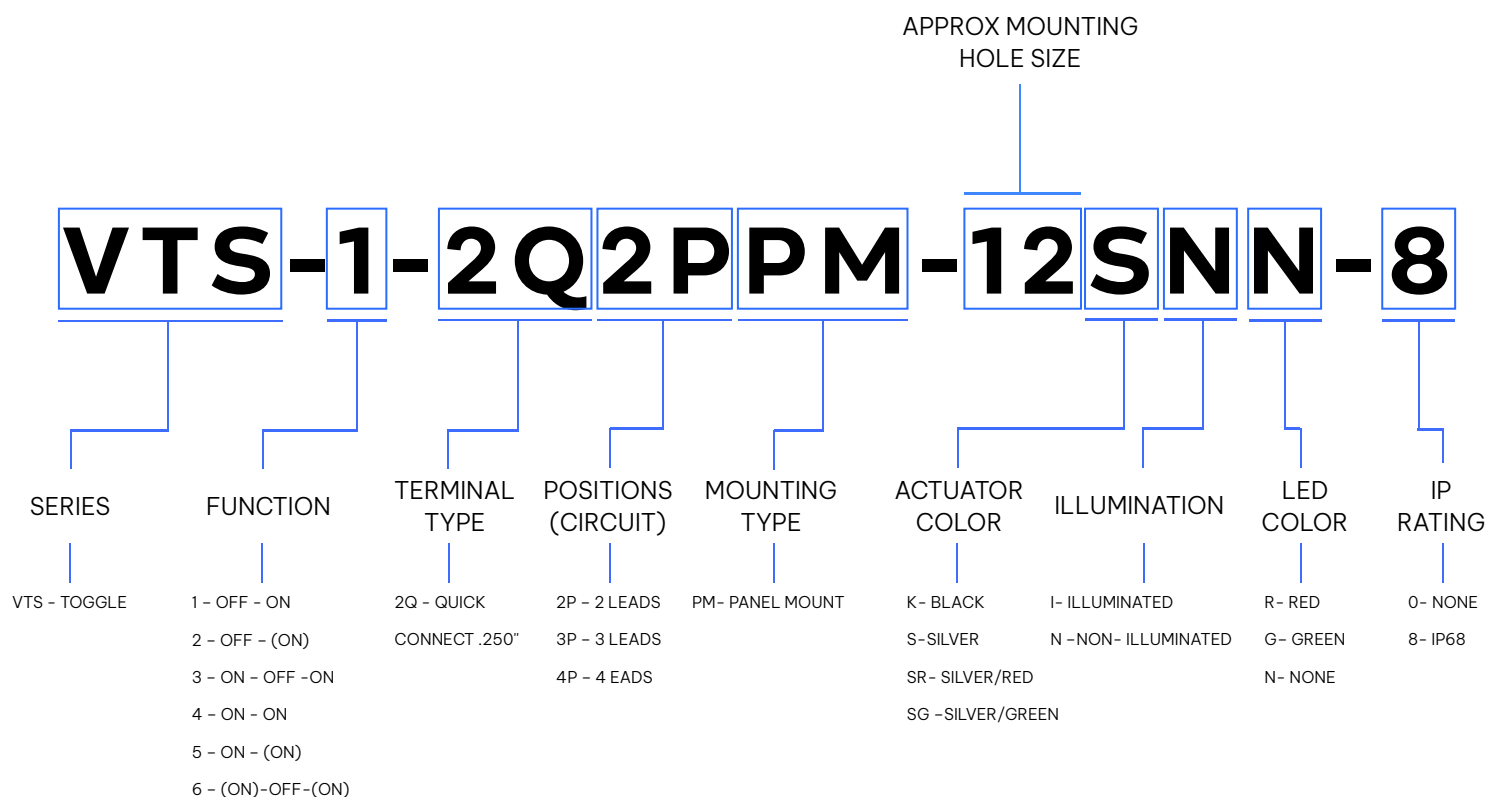
- Industrial
- Marine, Oil & Gas
- Automotive
- Automation & Controls
- Communications
- Robotics
- IoT
- Security Systems

Key Features

- Non-illuminated & Illuminated.
- High in-rush current and voltage ratings for secure & reliable operation.
- Compact & lightweight design for easy installation.
- Robust .250" quick connect terminals.
- Secure panel mount threaded design, vibration resistant.
- Standard & IP68 rating available.
- ROHS & REACH compliant.



SKU Offering





Mounting Hole: 12mm

Part Number	Function	Terminal Type	Positions	Mounting Type	Actuator Color	Illumination	Led Color	IP Rating
VTS-1-2Q2PPM-12SNN-8	Off-On	Quick Connect .250"	2P SPST	Panel Mount	Silver	Non-Illuminated	None	IP68
VTS-4-2Q3PPM-12SNN-8	On-On	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	IP68
VTS-3-2Q3PPM-12SNN-8	On-Off-On	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	IP68

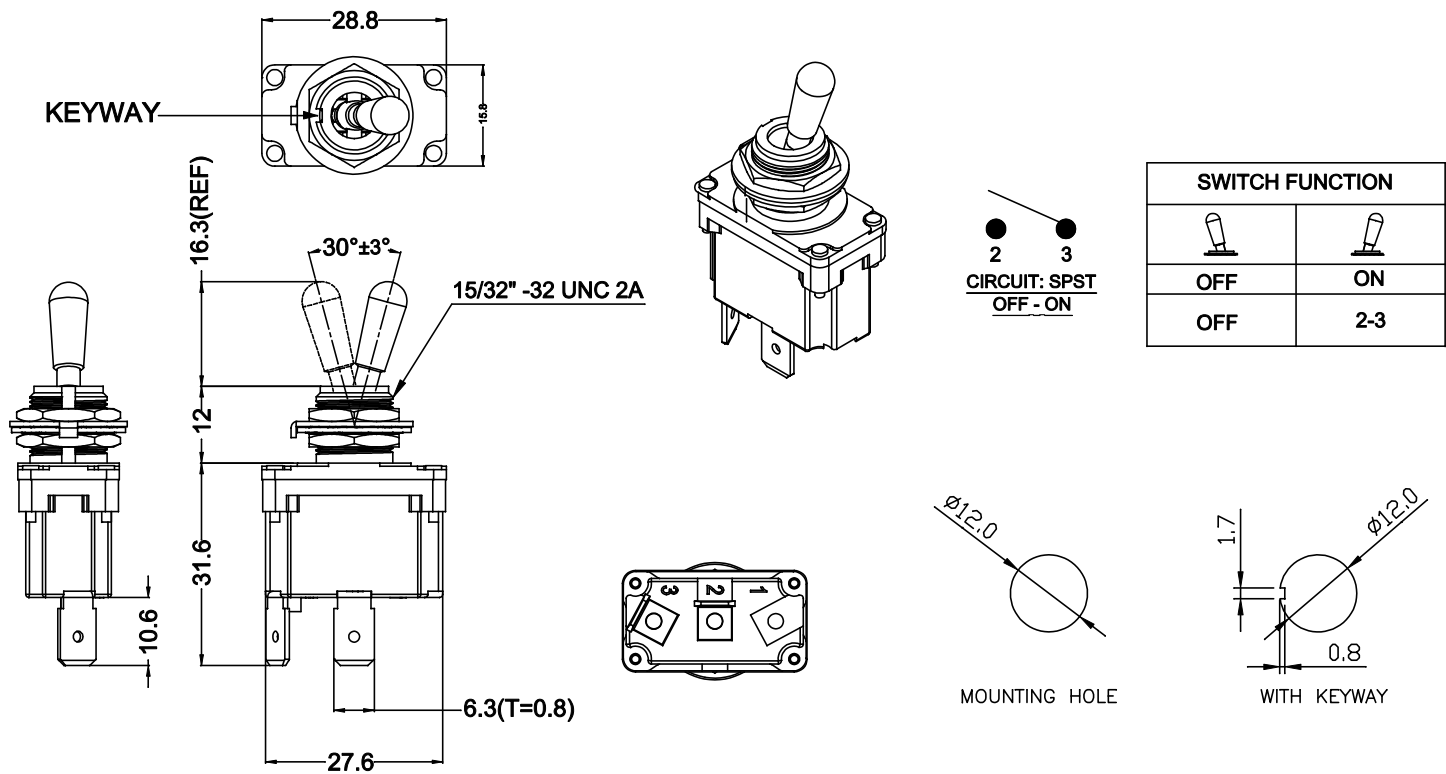
Mounting Hole: 12.2mm

VTS-1-2Q2PPM-12SNN-0	Off-On	Quick Connect .250"	2P SPST	Panel Mount	Silver	Non-Illuminated	None	None
VTS-2-2Q2PPM-12SNN-0	Off-(On)	Quick Connect .250"	2P SPST	Panel Mount	Silver	Non-Illuminated	None	None
VTS-4-2Q3PPM-12SNN-0	On-On	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	None
VTS-5-2Q3PPM-12SNN-0	On-(On)	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	None
VTS-3-2Q3PPM-12SNN-0	On-Off-On	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	None
VTS-6-2Q3PPM-12SNN-0	(On)-Off-(On)	Quick Connect .250"	3P SPDT	Panel Mount	Silver	Non-Illuminated	None	None
VTS-1-2Q3PPM-12SRIR-0	Off-On	Quick Connect .250"	3P SPST	Panel Mount	Silver/Red	Illuminated	Red	None
VTS-1-2Q3PPM-12SGIG-0	Off-On	Quick Connect .250"	3P SPST	Panel Mount	Silver/Green	Illuminated	Green	None
VTS-1-2Q4PPM-12SNN-0	Off-On	Quick Connect .250"	4P DPST	Panel Mount	Silver	Non-Illuminated	None	None
VTS-2-2Q4PPM-12SNN-0	Off-(On)	Quick Connect .250"	4P DPST	Panel Mount	Silver	Non-Illuminated	None	None



Product Dimensions

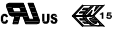
VTs-1-2Q2PPM-12SNN-8

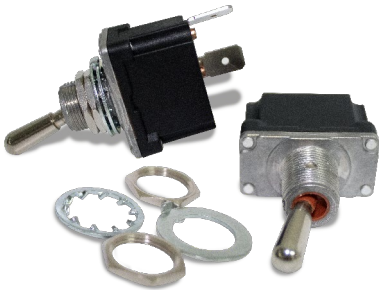


Notes:

- 1. Tolerances unless otherwise specified:± 0.5mm
- 2. Dimensions are in millimeters (mm).
- 3. Includes 2 hex nut, 1 tooth lockwasher, 1 lock tab washer.

Product Specifications

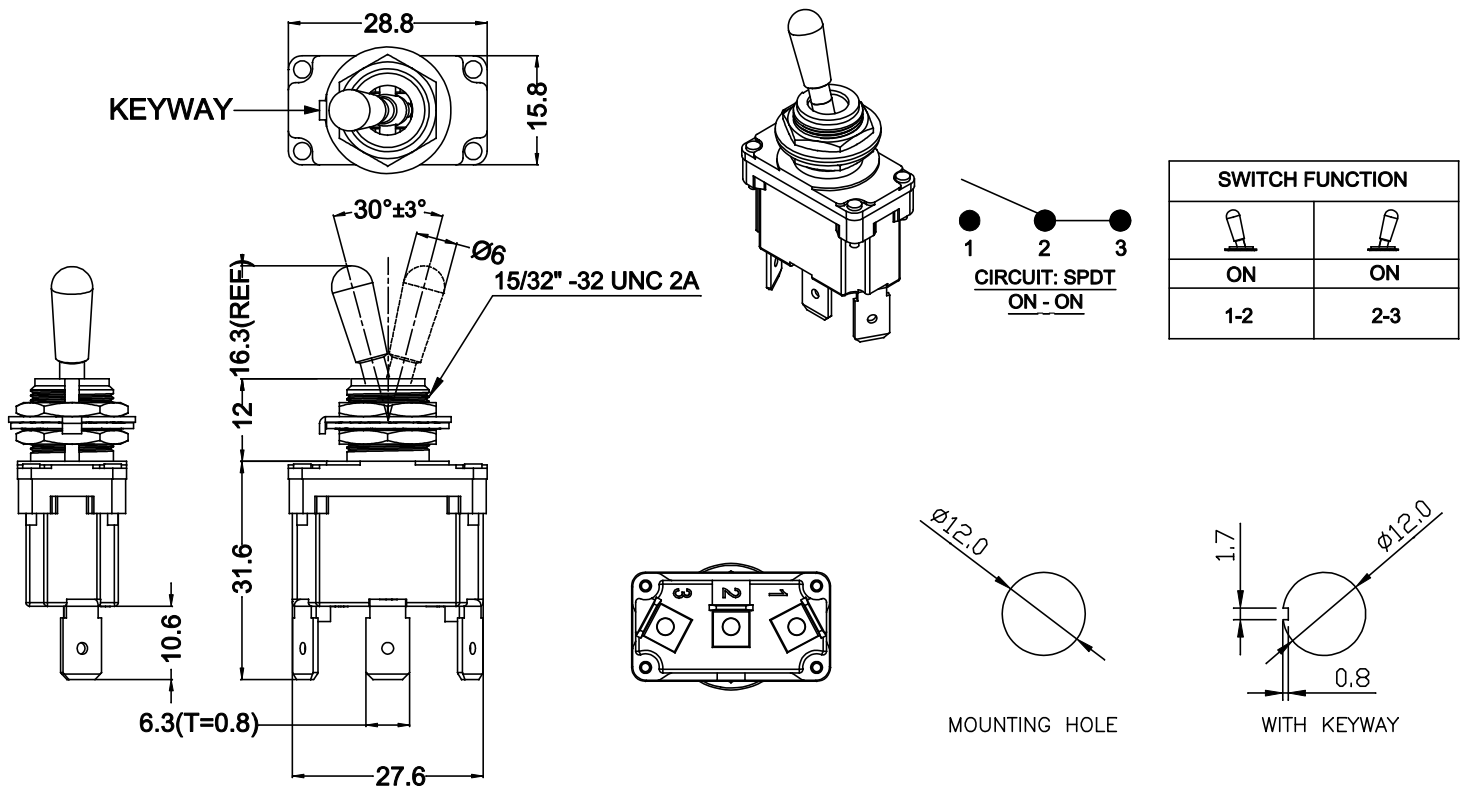
Toggle Switch Specification	
Electrical Life:	10,000 cycles 
Mechanical Life:	50,000 cycles
Contact Resistance:	20mΩ Initial Max.
Insulation Resistance:	500VDC - 100MΩ Min.
Rating	20A 125VAC, 8A 250 VAC
IP Rating	IP 68
Switch Function	2P SPST OFF-ON



Dielectric Strenght	(1) 1500VAC for 1 minute (Terminal to enclosure)
	(2) 500VAC for 1 minute (Terminal)



VTs-4-2Q3PPM-12SNN-8

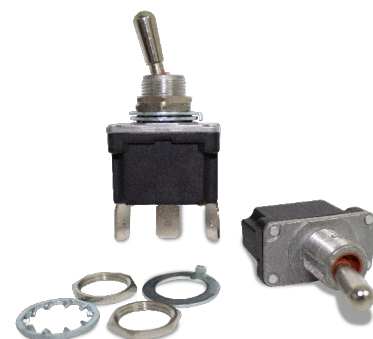


Notes:

1. Tolerances unless otherwise specified: $\pm 0.5\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 2 hex nut, 1 tooth lockwasher, 1 lock tab washer.

Product Specifications

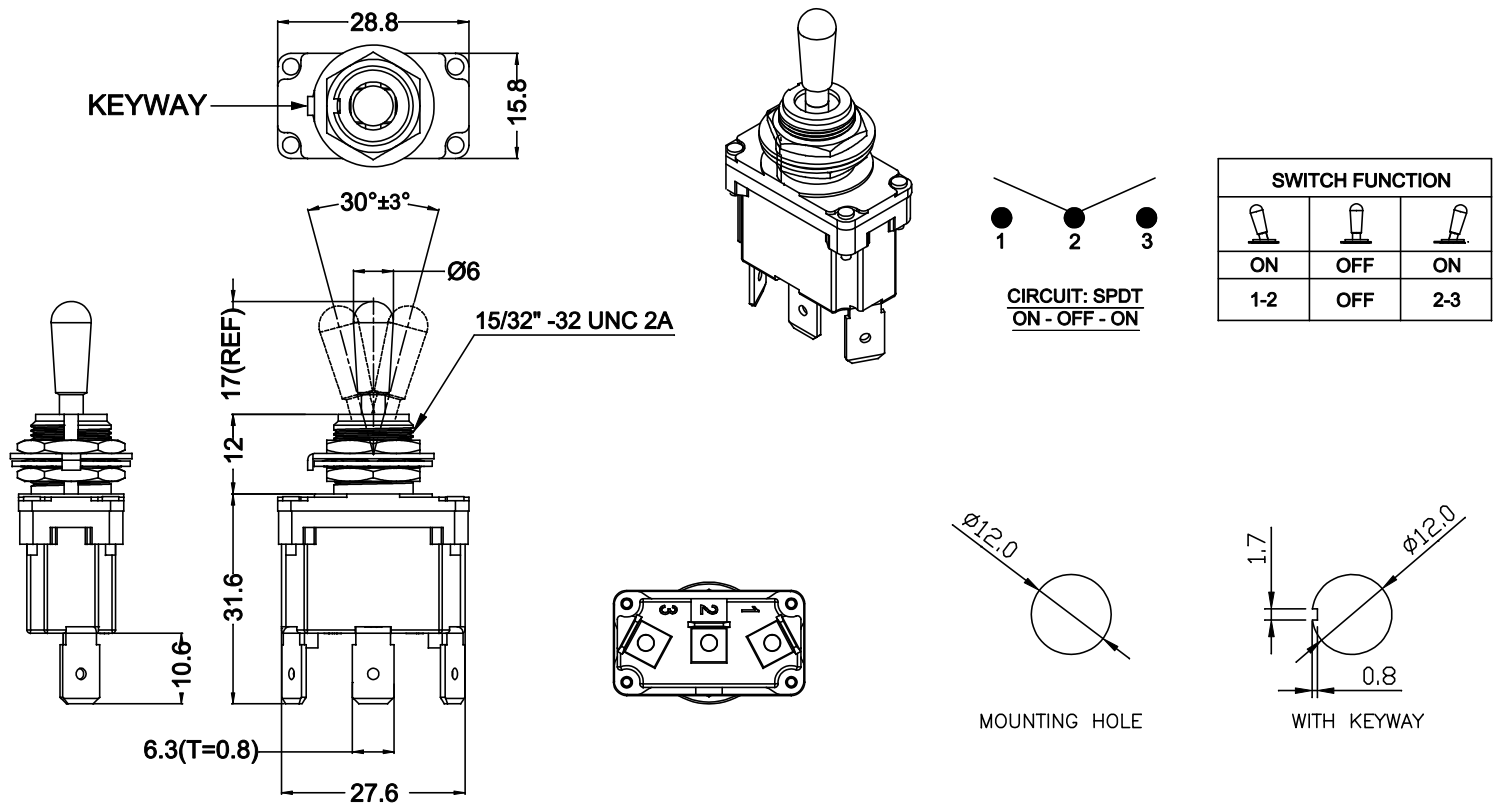
Toggle Switch Specification	
Electrical Life:	10,000 cycles 
Mechanical Life:	50,000 cycles
Contact Resistance:	20mΩ Initial Max.
Insulation Resistance:	500VDC - 100MΩ Min.
Rating	20A 125VAC, 8A 250 VAC
IP Rating	IP 68
Switch Function	3P SPDT ON-ON



Dielectric Strength	(1) 1500VAC for 1 minute (Terminal to enclosure)
	(2) 500VAC for 1 minute (Terminal)



VTS-3-2Q3PPM-12SNN-8



Notes:

1. Tolerances unless otherwise specified: $\pm 0.5\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 2 hex nut, 1 tooth lockwasher, 1 lock tab washer.

Product Specifications

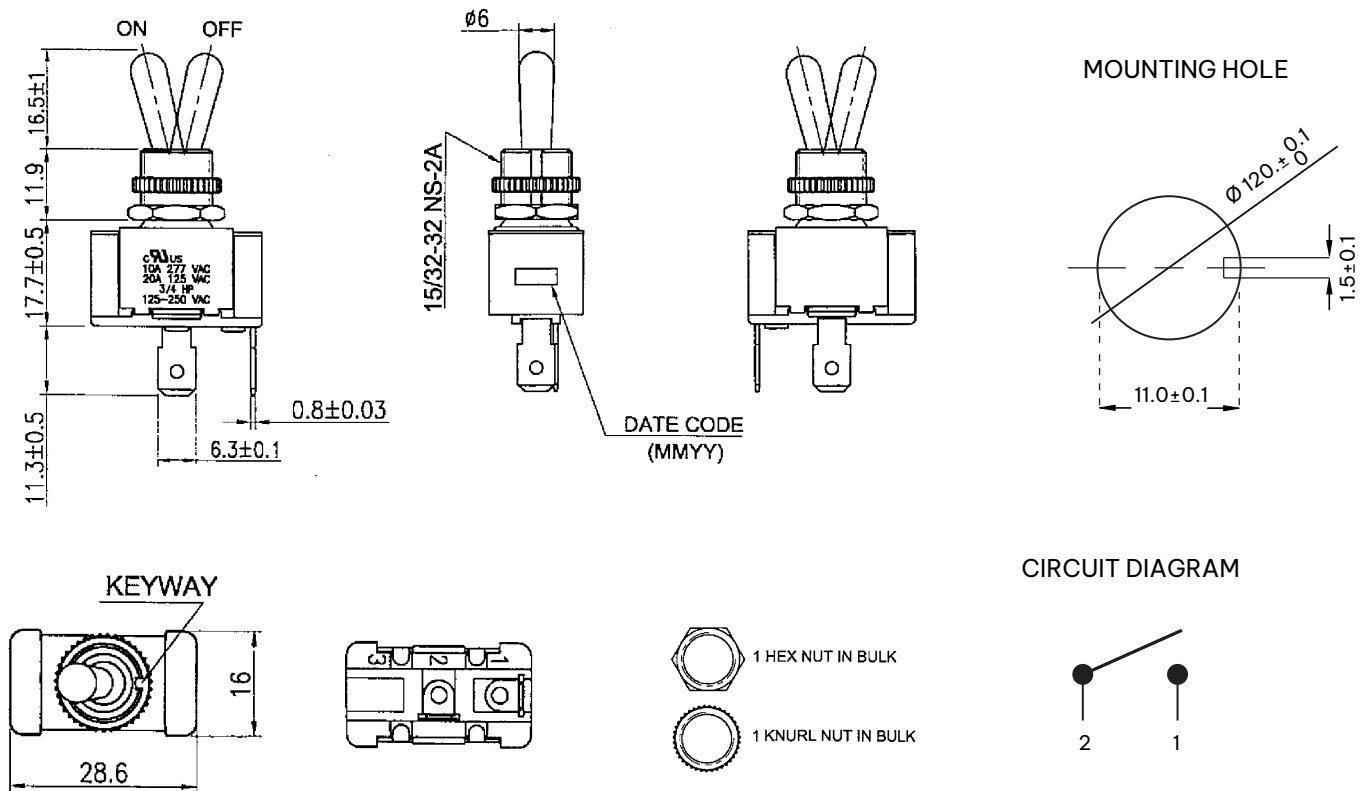
Toggle Switch Specification	
Electrical Life:	10,000 cycles 
Mechanical Life:	50,000 cycles
Contact Resistance:	20mΩ Initial Max.
Insulation Resistance:	500VDC - 100MΩ Min.
Rating	20A 125VAC, 8A 250 VAC
IP Rating	IP 68
Switch Function	3P SPDT ON-OFF-ON



Dielectric Strength	(1) 1500VAC for 1 minute (Terminal to enclosure)
	(2) 500VAC for 1 minute (Terminal)



VTS-1-2Q2PPM-12SNN-0



Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

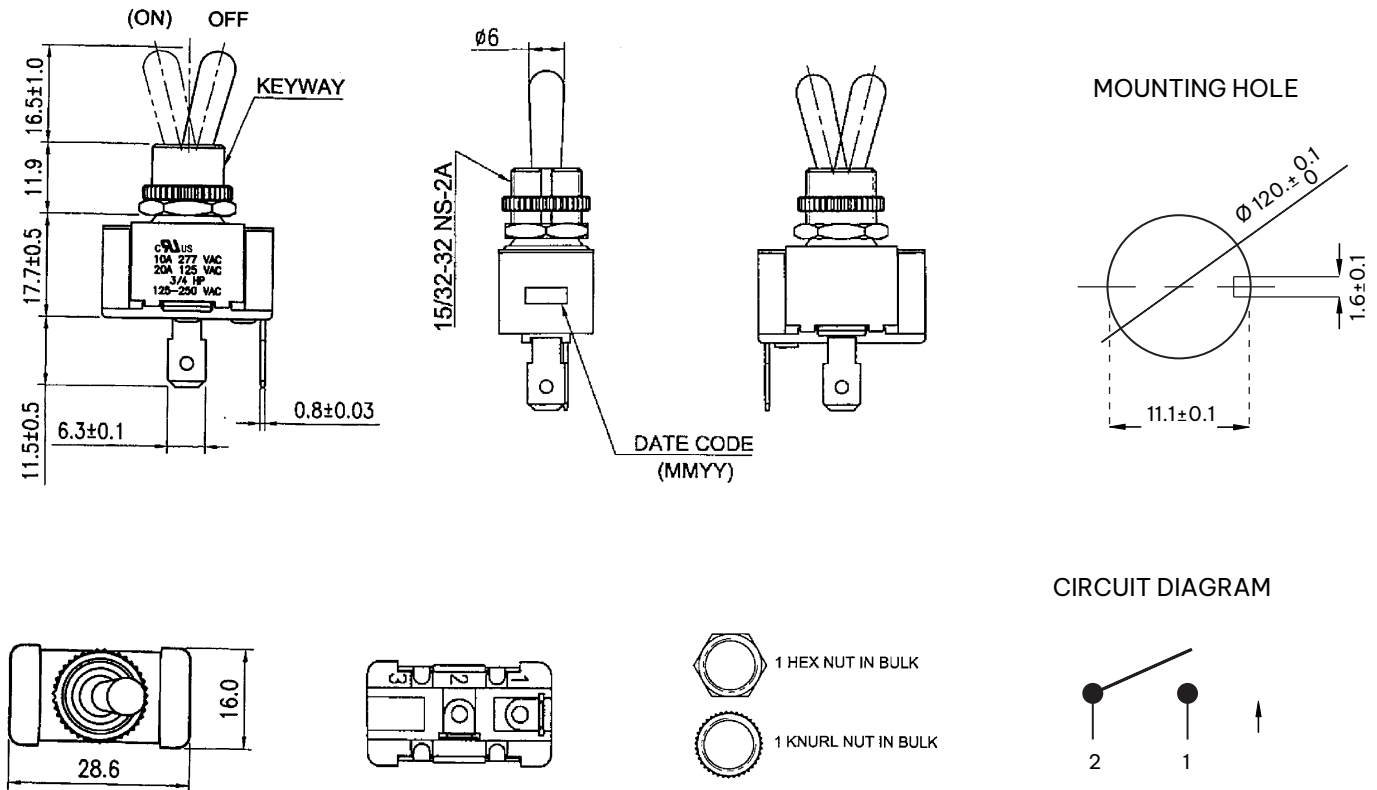
Product Specifications

Rating	20A 125V AC 10A 277V AC 3/4HP 125-250V AC	
Contact Resistance:	50m ohm Max.	
Insulation Resistance:	500VDC - 100MΩ Min.	
Dielectric Strength	AC 1500V 1 minute	
Operation Temperature:	0°C~65°C	
Switch Function	2P OFF-ON	





VTS-2-2Q2PPM-12SNN-0



Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

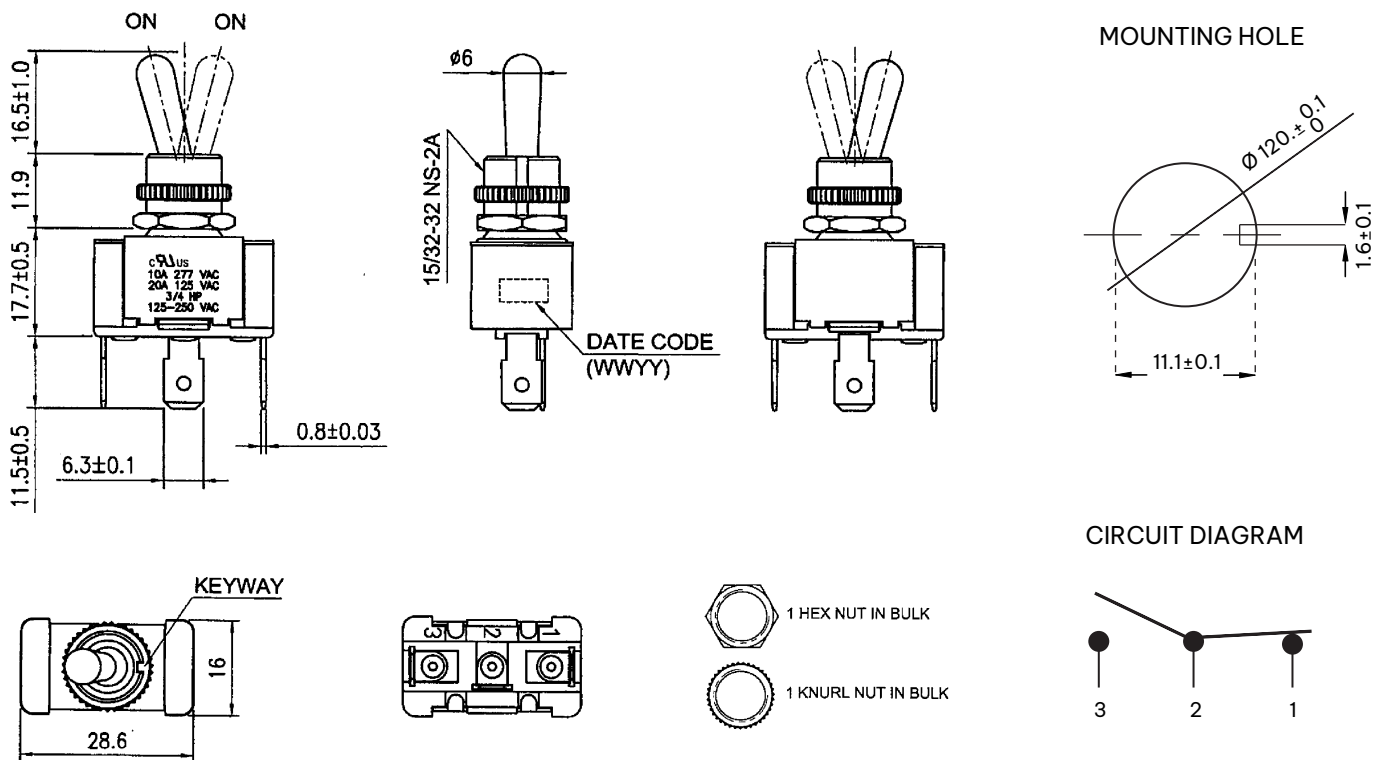
Product Specifications

Rating	20A 125V AC 10A 277V AC 3/4HP 125-250V AC	
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100M Ω Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	2P OFF - (ON)	
Operation Force:	1100gf±400gf	





VTS-4-2Q3PPM-12SNN-0

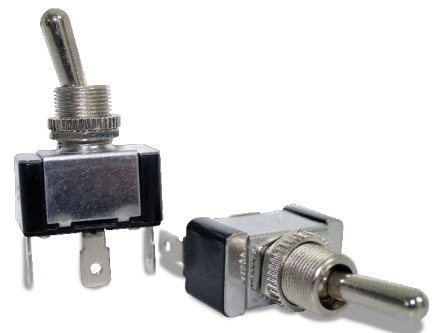


Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

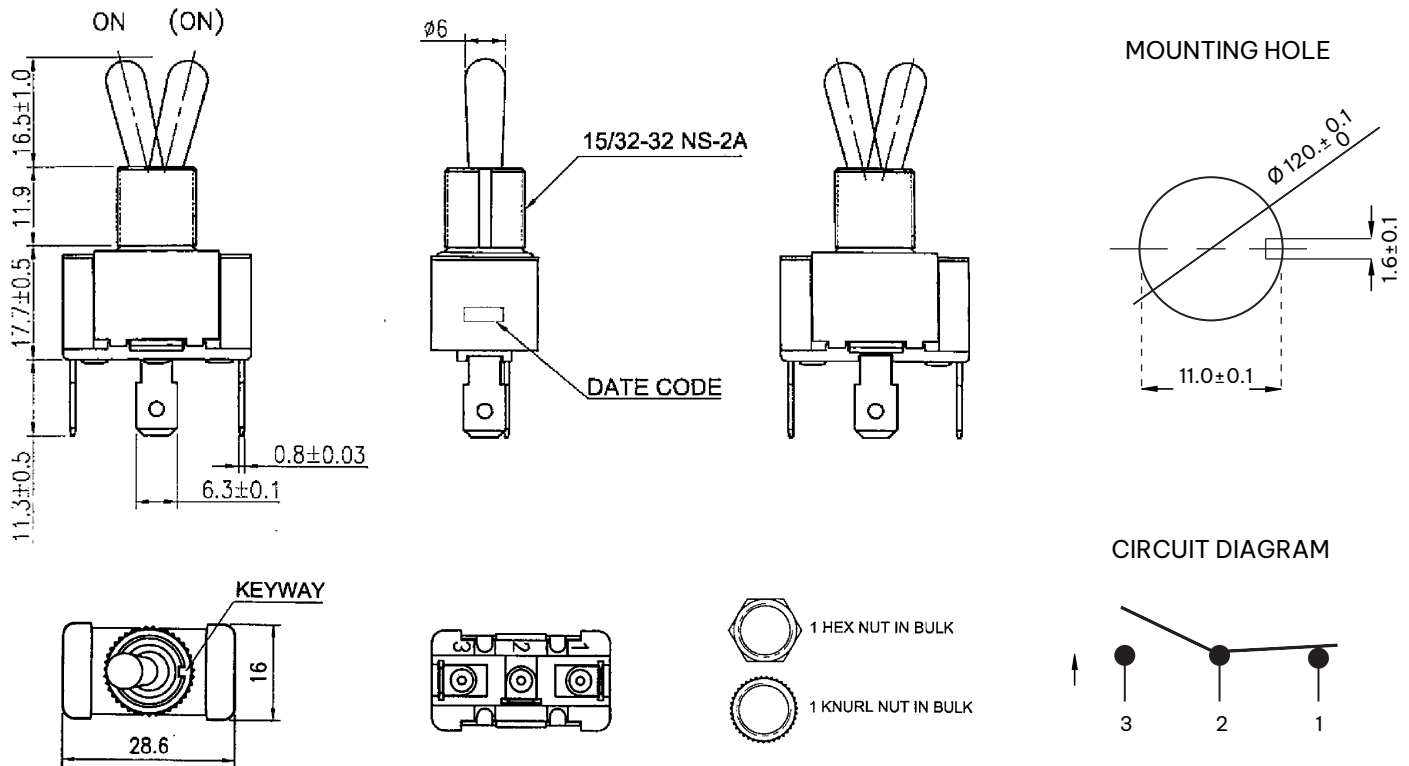
Product Specifications

Rating	20A 125V AC 10A 277V AC 3/4HP 125-250V AC	
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100M Ω Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	3P ON-ON	
Operation Force:	700gf±250gf	





VTS-5-2Q3PPM-12SNN-0

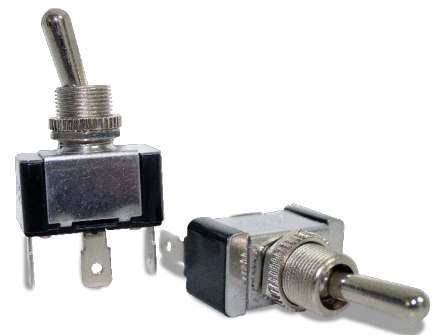


Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

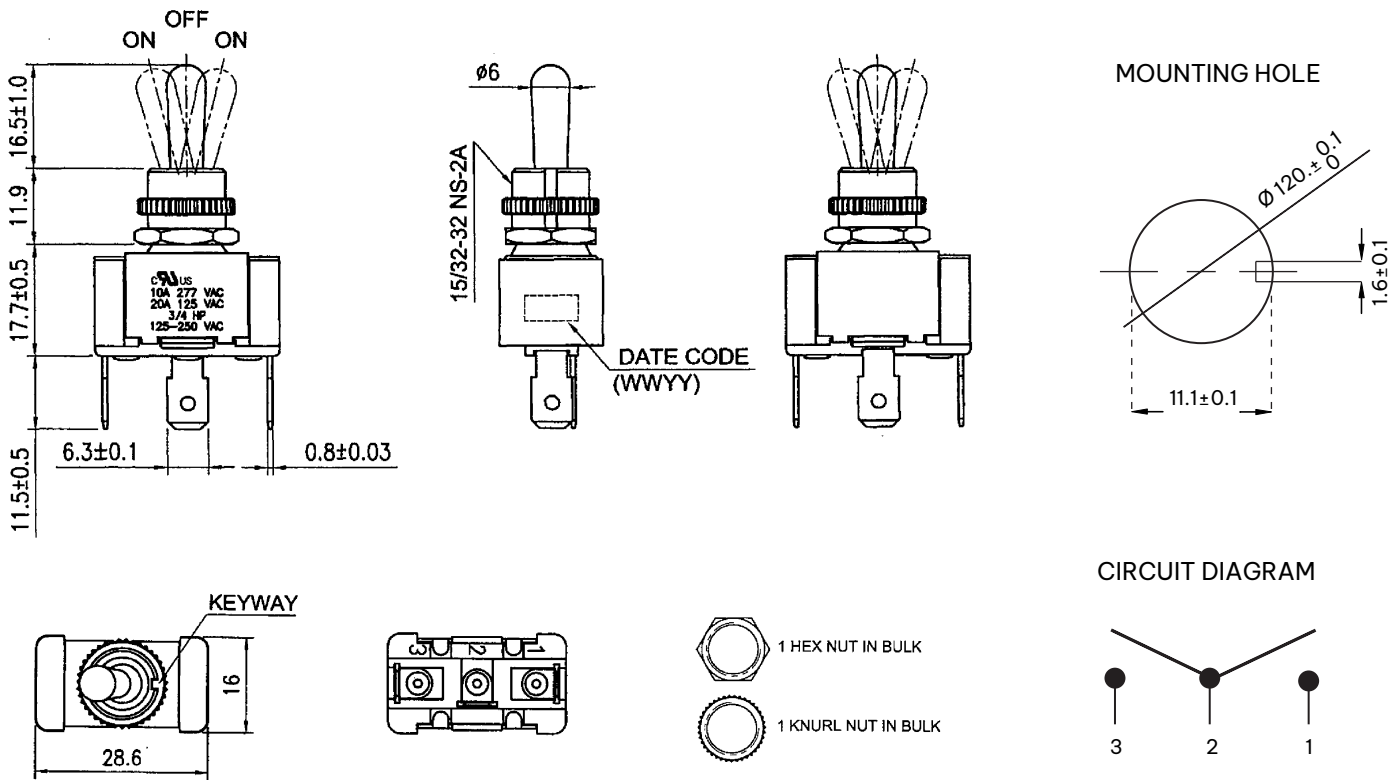
Product Specifications

Rating	20A 125VAC, 10A 277VAC
Contact Resistance:	50mΩ Max.
Insulation Resistance:	500VDC - 100MΩ Min.
Dielectric Strength:	AC 1500V 1 minute
Switch Function:	3P ON-(ON)
Operation Temperature:	0°C~65°C





VTS-3-2Q3PPM-12SNN-0

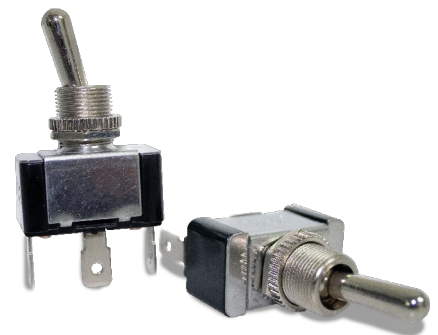


Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

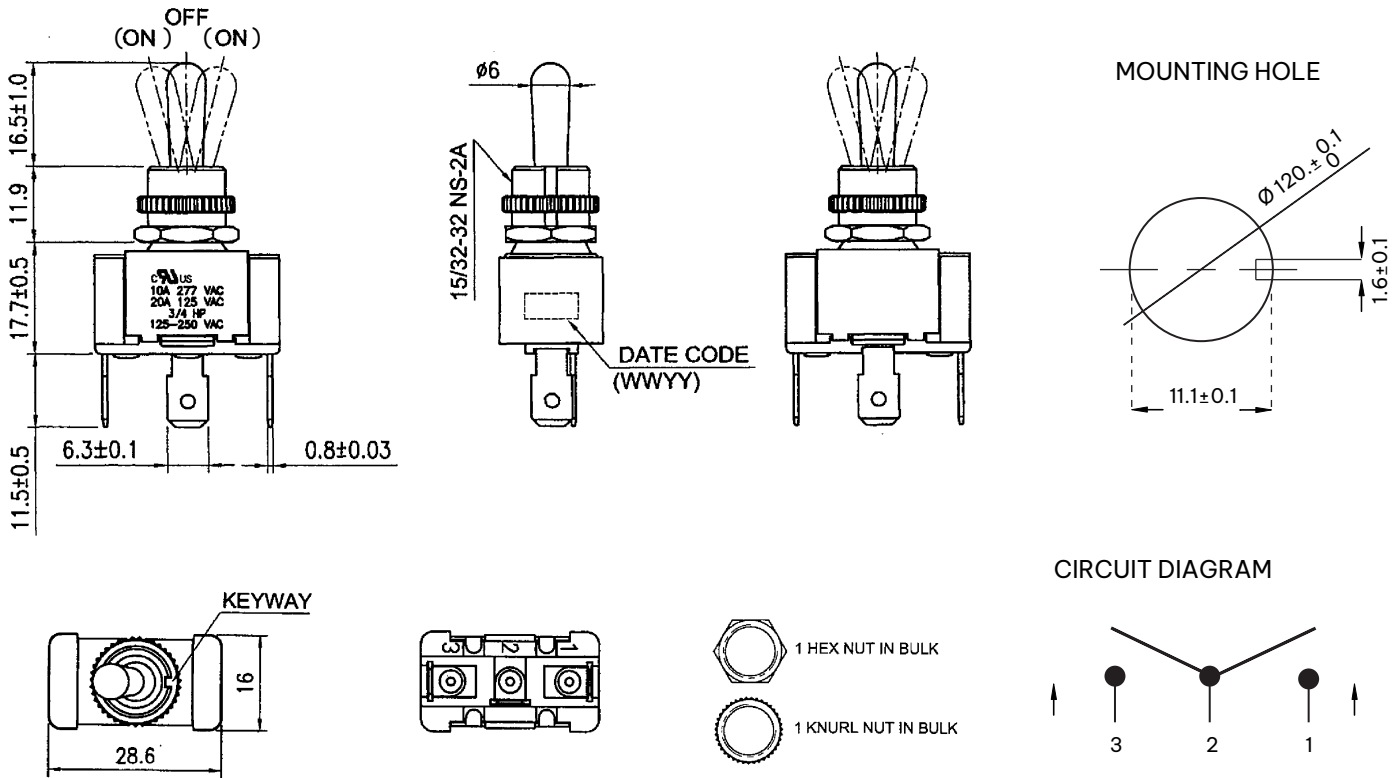
Product Specifications

Rating	20A 125V AC 10A 277V AC 3/4HP 125-250V AC	CULUS
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100MΩ Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	3P ON-OFF-ON	
Operation Force:	OFF-ON 1100gf±300gf ON-OFF 600gf±200gf	





VTS-6-2Q3PPM-12SNN-0

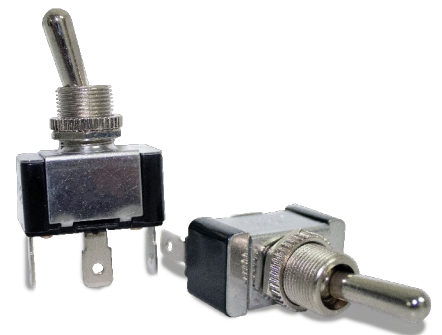


Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

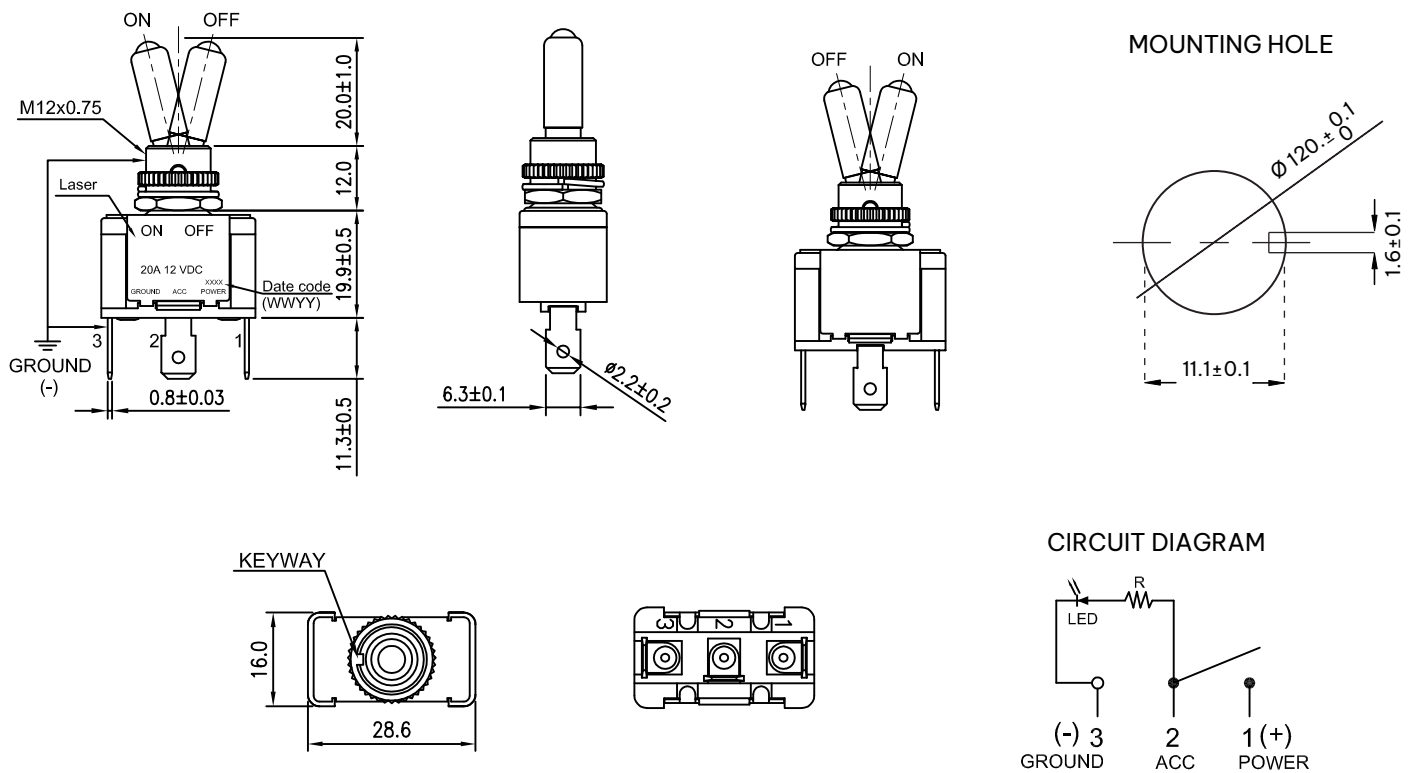
Product Specifications

Rating	20A 125V AC 10A 277V AC 3/4HP 125-250V AC	
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100MΩ Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	3P (ON)-OFF-(ON)	
Operation Force:	1500gf±300gf	





VTS-1-2Q3PPM-12SRIR-0



Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 spring washer, 1 knurl nut.
4. KEYWAY on "ON"

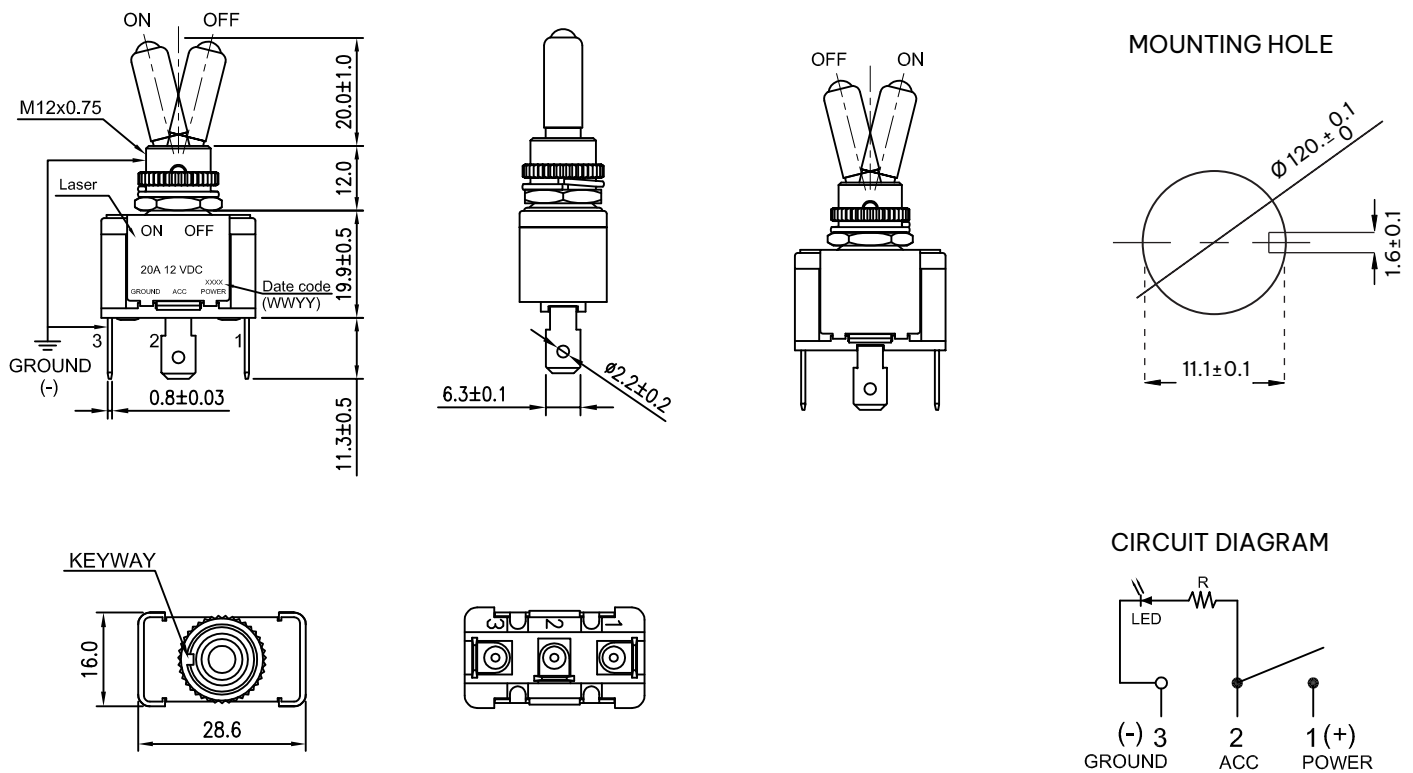
Product Specifications

Rating	20A 12V DC
Contact Resistance:	50m Ω Max.
Insulation Resistance:	500VDC - 100M Ω Min.
Dielectric Strength:	AC 1500V 1 minute
Switch Function:	3P OFF-ON (LED Independent)
Operation Temperature:	-20°C-85°C
LED Color:	Red





VTS-1-2Q3PPM-12SGIG-0

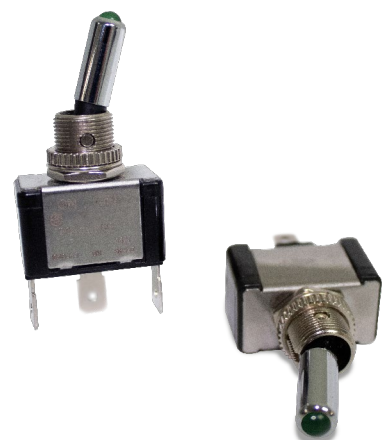


Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 spring washer, 1 knurl nut.
4. KEYWAY on "OFF"

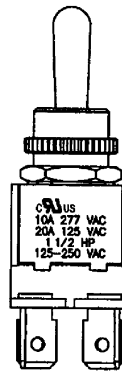
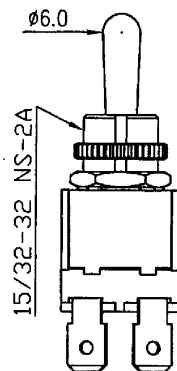
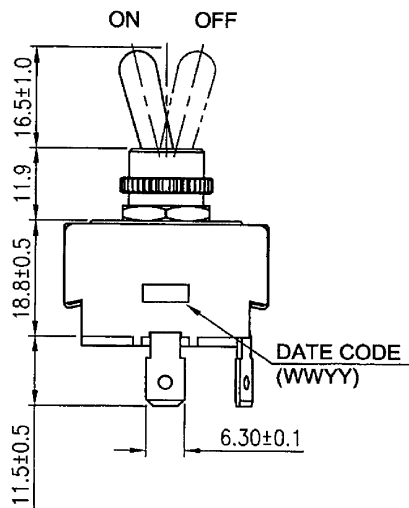
Product Specifications

Rating	20A 12V AC
Contact Resistance:	50m Ω Max.
Insulation Resistance:	500VDC - 100M Ω Min.
Dielectric Strenght:	AC 1500V 1 minute
Switch Function:	3P OFF-ON (LED Independent)
Operation Temperature:	-20°C-85°C
LED Color:	Green

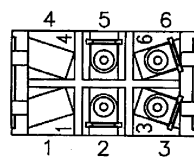
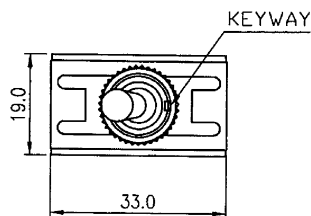
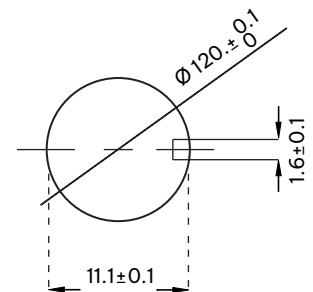




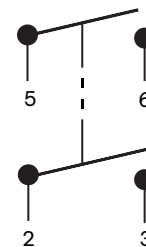
VTS-1-2Q4PPM-12SNN-0



MOUNTING HOLE



CIRCUIT DIAGRAM



Notes:

1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
2. Dimensions are in millimeters (mm).
3. Includes 1 hex nut, 1 knurl nut.

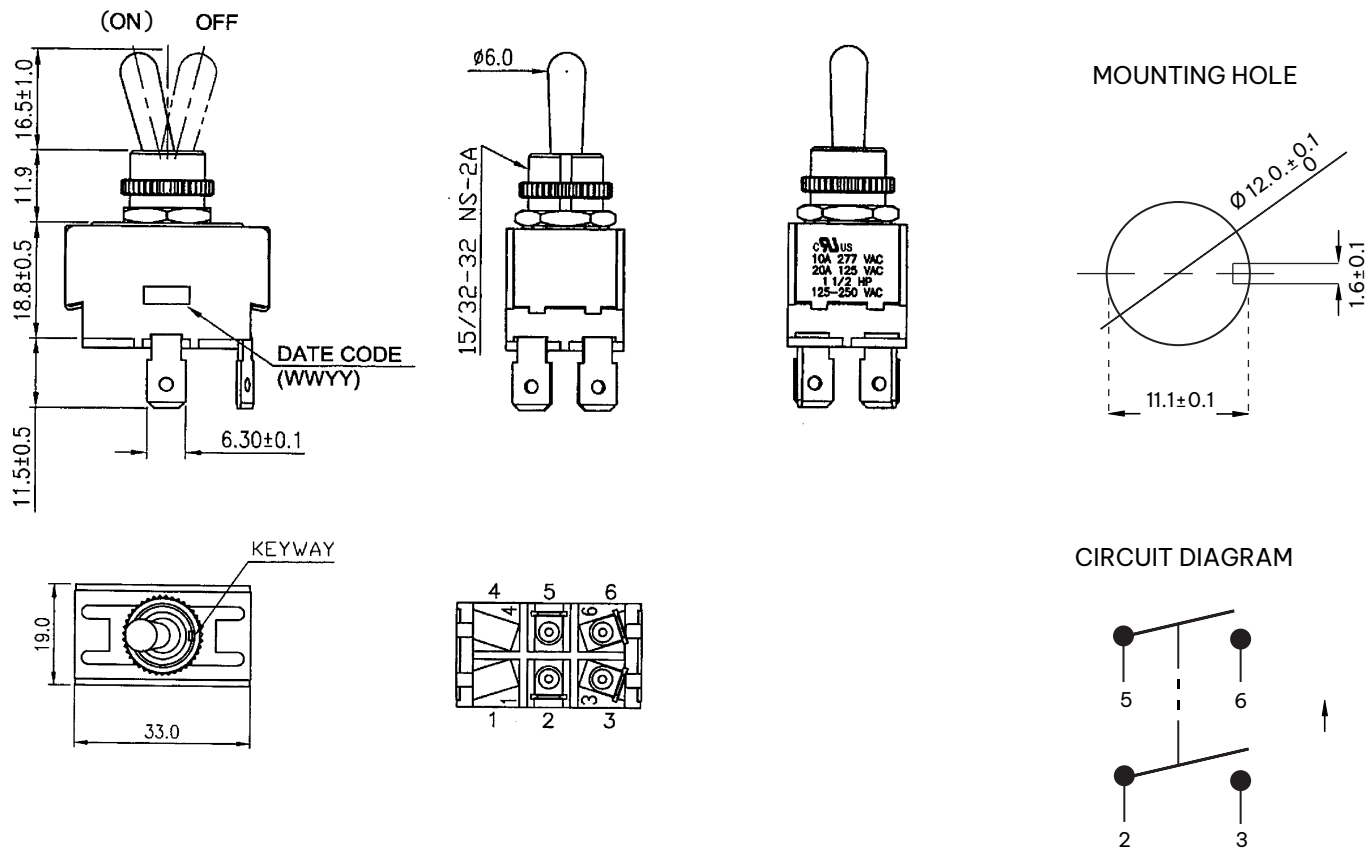
Product Specifications

Rating	20A 125V AC 10A 277V AC 1.5 HP 125-250V AC	CULUS
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100MΩ Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	4P OFF-ON	
Operation Force:	1200gf±300gf	





VTS-2-2Q4PPM-12SNN-O



- Notes:**
- 1. Tolerances unless otherwise specified: $\pm 0.3\text{mm}$
 - 2. Dimensions are in millimeters (mm).
 - 3. Includes 1 hex nut, 1 knurl nut.

Product Specifications

Rating	20A 125V AC 10A 277V AC 1.5 HP 125-250V AC	
Contact Resistance:	50mΩ Max.	
Insulation Resistance:	500VDC - 100MΩ Min.	
Dielectric Strength:	AC 1500V 1 minute	
Switch Function:	4P OFF - (ON)	





Compliances and approvals

