



RS SERIES ROCKER SWITCHES

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

- Traditional & round mounting hole options
- Compact & lightweight
- Snap-in design
- Tactile feedback/multi-function
- Illuminated & non-illuminated options

Applications

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

Key Features

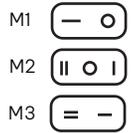
- Non-illuminated & Illuminated switch options.
- High in-rush current and voltage ratings for secure & reliable operation.
- Compact & lightweight design for easy installation.
- .187" and .250" quick connect terminal options.
- Vibration resistant secure snap-in mount design.
- Custom function mark & actuator color availability.
- ROHS & REACH compliant.
- ENEC & CQC certified.



Ordering Data

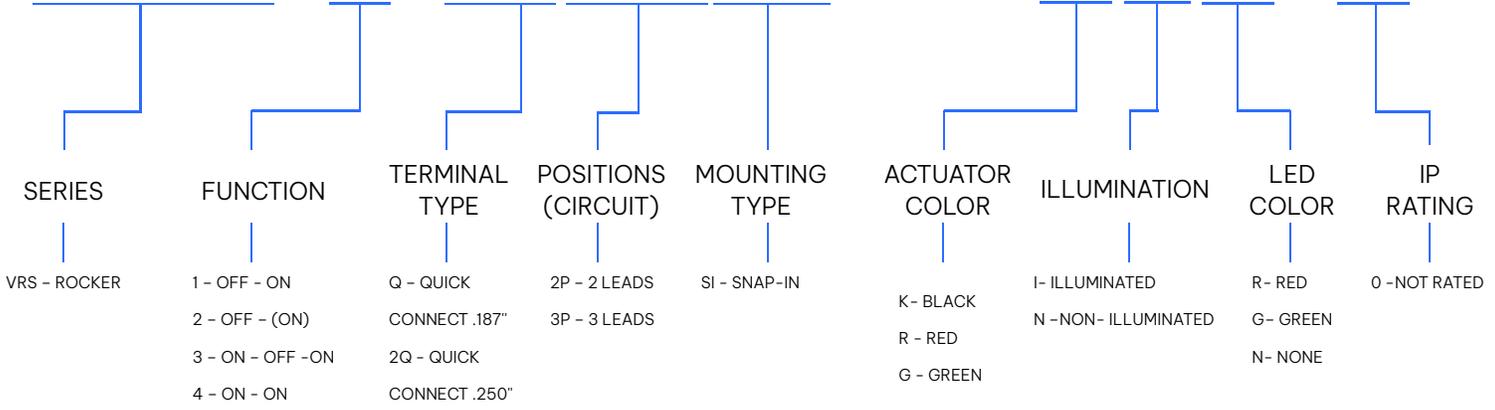
SKU Offering

SOME NUMBERS HAVE EXTRA CHARACTERS TO DENOTE SPECIAL MARKINGS OR COLOR MARKINGS.



APPROX MOUNTING HOLE SIZE

VRS - 1 - Q 2P SI - 19 K NN - 0





Mounting Hole: 12.9x19.2mm

Part Number	Function	Terminal Type	Positions	Mounting Type	Actuator Color	Illuminated	Led Color	IP Rated	Page
VRS-1-Q2PSI-19KNN-0	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	4
VRS-1-Q2PSI-19KNN-0-M1	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	4
VRS-1-Q2PSI-19RNN-0	Off-On	.187" QC	2P SPST	Snap-In	Red	Non-Illuminated	None	None	4
VRS-1-Q2PSI-19RNN-0-M1	Off-On	.187" QC	2P SPST	Snap-In	Red	Non-Illuminated	None	None	4
VRS-4-Q3PSI-19KNN-0	On-On	.187" QC	3P SPDT	Snap-In	Black	Non-Illuminated	None	None	5
VRS-3-Q3PSI-19KNN-0	On-Off-On	.187" QC	3P SPDT	Snap-In	Black	Non-Illuminated	None	None	6
VRS-3-Q3PSI-19KNN-0-M2	On-Off-On	.187" QC	3P SPDT	Snap-In	Red	Non-Illuminated	None	None	6
VRS-3-Q3PSI-19RNN-0-M2	On-Off-On	.187" QC	3P SPDT	Snap-In	Red	Non-Illuminated	None	None	6
VRS-1-Q3PSI-19GIG-0	Off-On	.187" QC	3P SPST	Snap-In	Green	Illuminated	Green	None	7
VRS-1-Q3PSI-19RIR-0	Off-On	.187" QC	3P SPST	Snap-In	Red	Illuminated	Red	None	7

Mounting Hole: 13.9x28.6mm

VRS-1-Q2PSI-28KNN-0	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	8
VRS-1-Q2PSI-28KNN-0-M1	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	8
VRS-4-Q3PSI-28KNN-0	On-On	.187" QC	3P SPDT	Snap-In	Black	Non-Illuminated	None	None	9
VRS-1-Q3PSI-28RIR-0	Off-On	.187" QC	3P SPST	Snap-In	Red	Illuminated	Red	None	10

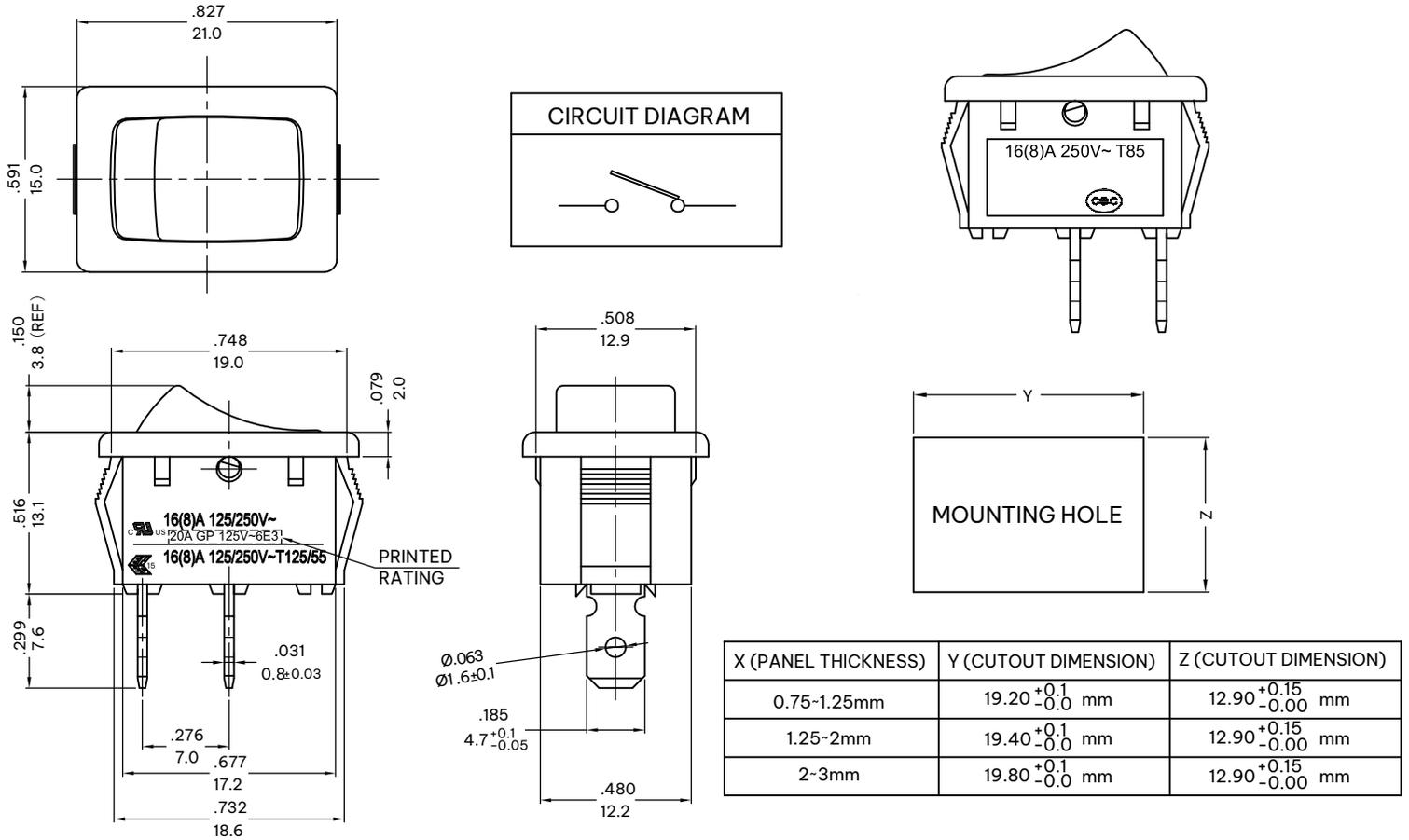
Mounting Hole: 20.2mm

VRS-1-Q2PSI-20KNN-0	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	11
VRS-1-Q2PSI-20KNN-0-M1	Off-On	.187" QC	2P SPST	Snap-In	Black	Non-Illuminated	None	None	11
VRS-4-Q3PSI-20KNN-0	On-On	.187" QC	3P SPDT	Snap-In	Black	Non-Illuminated	None	None	12
VRS-4-Q3PSI-20KNN-0-M3	On-On	.187" QC	3P SPDT	Snap-In	Black	Non-Illuminated	None	None	12
VRS-1-2Q3PSI-20RIR-0	Off-On	.250" QC	3P SPST	Snap-In	Red	Illuminated	Red	None	13
VRS-1-2Q3PSI-20GIG-0	Off-On	.250" QC	3P SPST	Snap-In	Green	Illuminated	Green	None	13



Product Dimensions

- VRS-1-Q2PSI-19KNN-0
- VRS-1-Q2PSI-19RNN-0
- VRS-1-Q2PSI-19KNN-0-M1
- VRS-1-Q2PSI-19RNN-0-M1



Notes:

1. Tolerances unless otherwise specified: ± .012/0.3 (in/mm)
2. VRS-1-Q2PSI-19RNN-0-M1 is similar to VRS-1-Q2PSI-19KNN-0 but with actuator in red. See page 2.
3. VRS-1-Q2PSI-19KNN-0-M1 is similar to VRS-1-Q2PSI-19KNN-0 but with an M1 marking. See page 2.

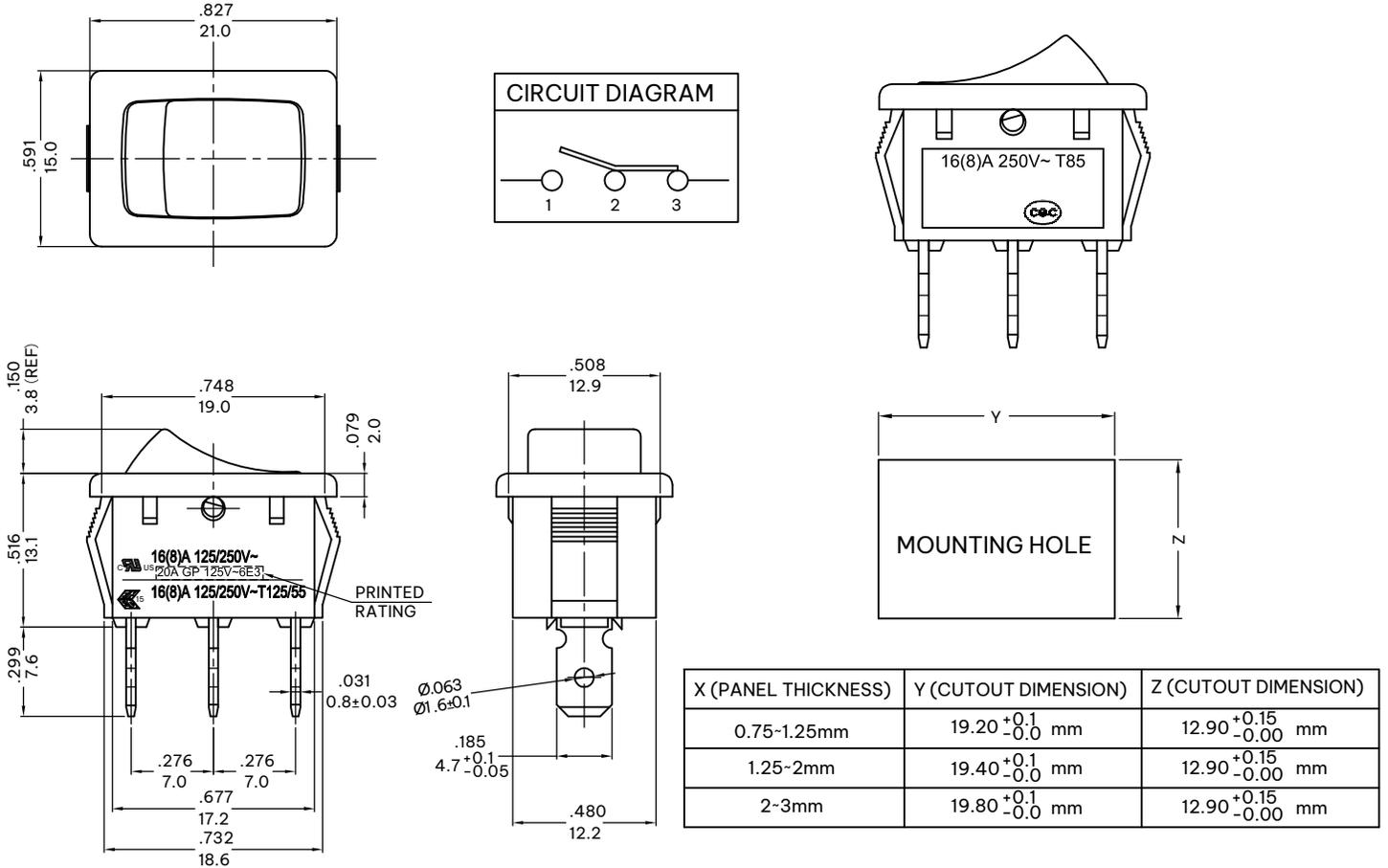
Product Specifications

Rocker Switch Specifications	
Rating:	20A 125VAC us
	16 (8)A 125/250V ~T55 us
	16 (8)A 125/250V ~T125/55 us
	16 (8)A 250V-T85
Switch Function:	2P OFF-ON





VRS-4-Q3PSI-19KNN-0



Note:

1. Tolerances unless otherwise specified: ± .012/0.3 (in/mm)



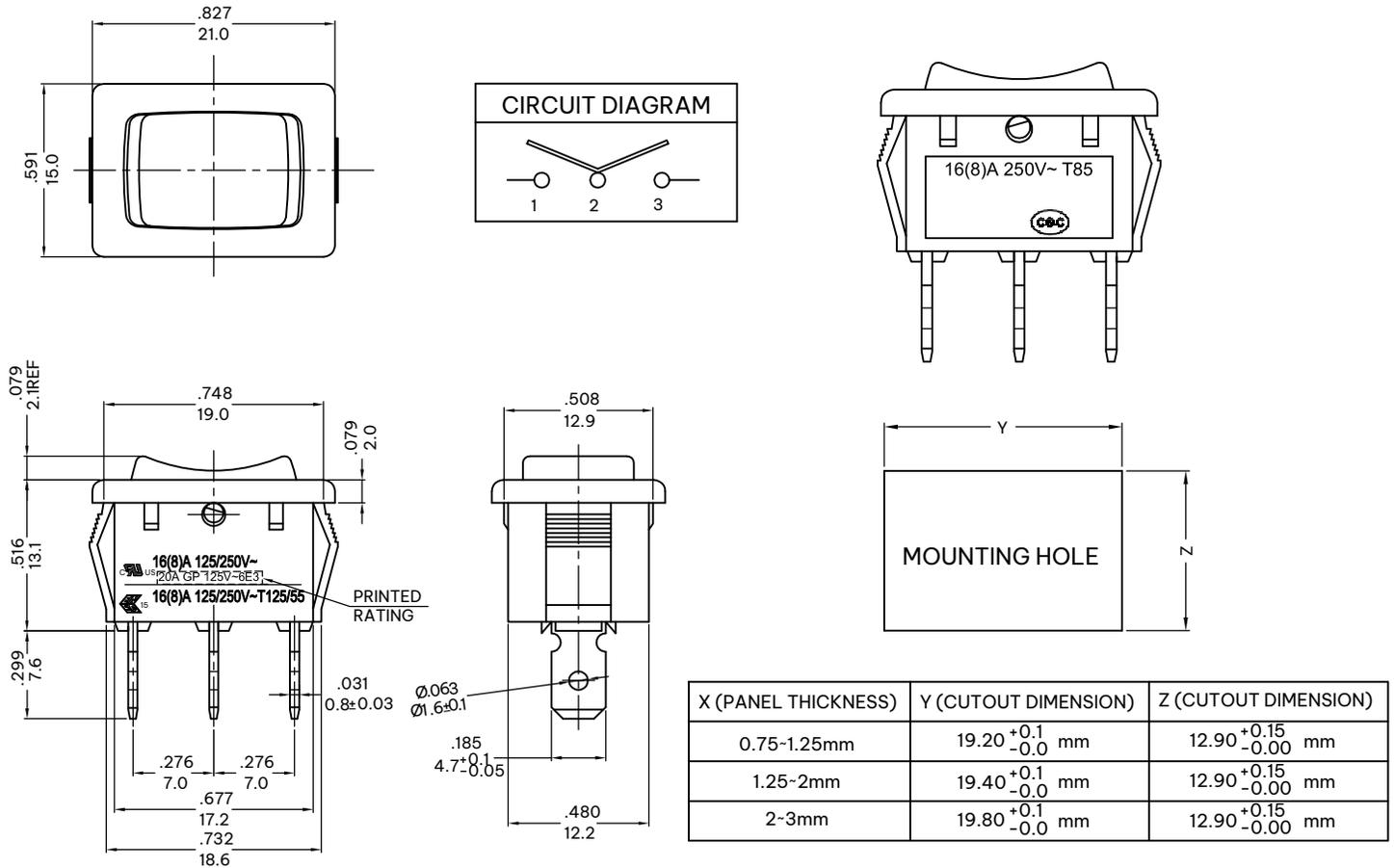
Product Specifications

Rocker Switch Specifications	
Rating:	20A 125VAC
	16 (8)A 125/250V ~T55
	16 (8)A 125/250V ~T125/55
	16 (8)A 250V-T85
Switch Function:	3P ON-ON

Dielectric Voltage-Withstand:	1,500VAC For 1 Minute
Insulation Resistance:	DC 500V 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.



VRS-3-Q3PSI-19KNN-0
 VRS-3-Q3PSI-19KNN-0-M2
 VRS-3-Q3PSI-19RNN-0-M2



- Notes:
- Tolerances unless otherwise specified: ± .012/0.3 (in/mm)
- VRS-3-Q3PSI-19KNN-0-M2 is similar to VRS-3-Q3PSI-19KNN-0 but with an M2 marking. See page 2.
- VRS-3-Q3PSI-19RNN-0-M2 is similar to VRS-3-Q3PSI-19KNN-0 but with actuator in red and M2 marking. See page 2.

Product Specifications

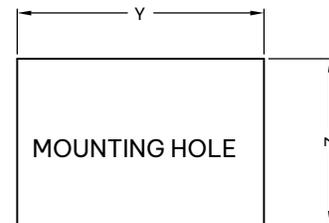
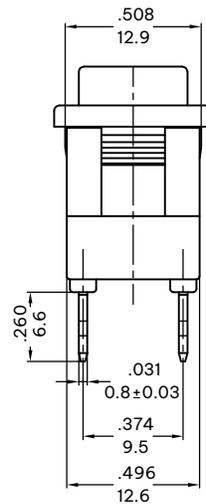
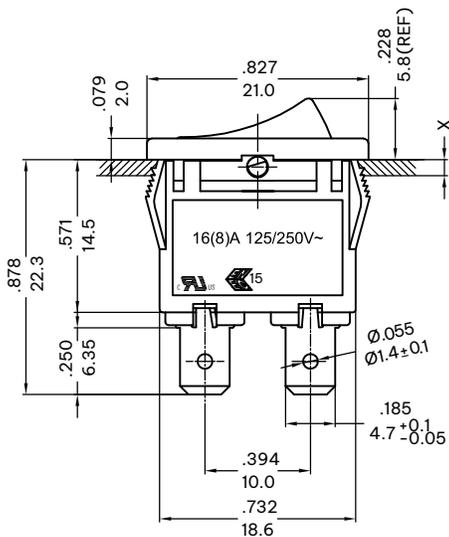
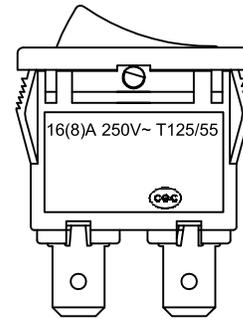
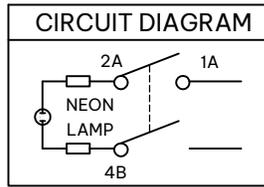
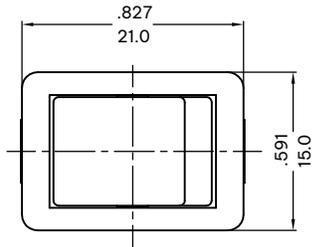
Rocker Switch Specifications	
Rating:	20A 125VAC cULus
	16 (8)A 125/250V ~T55 cULus
	16 (8)A 125/250V -T125/55 UL15
	16 (8)A 250V~T85 CQC
Switch Function:	3P ON-OFF-ON



Dielectric Voltage-Withstand:	1,500VAC For 1 Minute
Insulation Resistance:	DC 500V 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.



VRS-1-Q3PSI-19GIG-0
 VRS-1-Q3PSI-19RIR-0



X (PANEL THICKNESS)	Y (CUTOUT DIMENSION)	Z (CUTOUT DIMENSION)
0.75-1.25mm	19.20 ^{+0.1} _{-0.0} mm	12.90 ^{+0.15} _{-0.00} mm
1.25-2mm	19.40 ^{+0.1} _{-0.0} mm	12.90 ^{+0.15} _{-0.00} mm
2-3mm	19.80 ^{+0.1} _{-0.0} mm	12.90 ^{+0.15} _{-0.00} mm

Notes:

1. Tolerances unless otherwise specified: ± .012/0.3 (in/mm)
 2. VRS-1-Q3PSI-19RIR-0 has actuator in red.
 3. VRS-1-Q3PSI-19GIG-0 has actuator in green.
- See page 2.

VRS-1-Q3PSI-19GIG-0



VRS-1-Q3PSI-19RIR-0



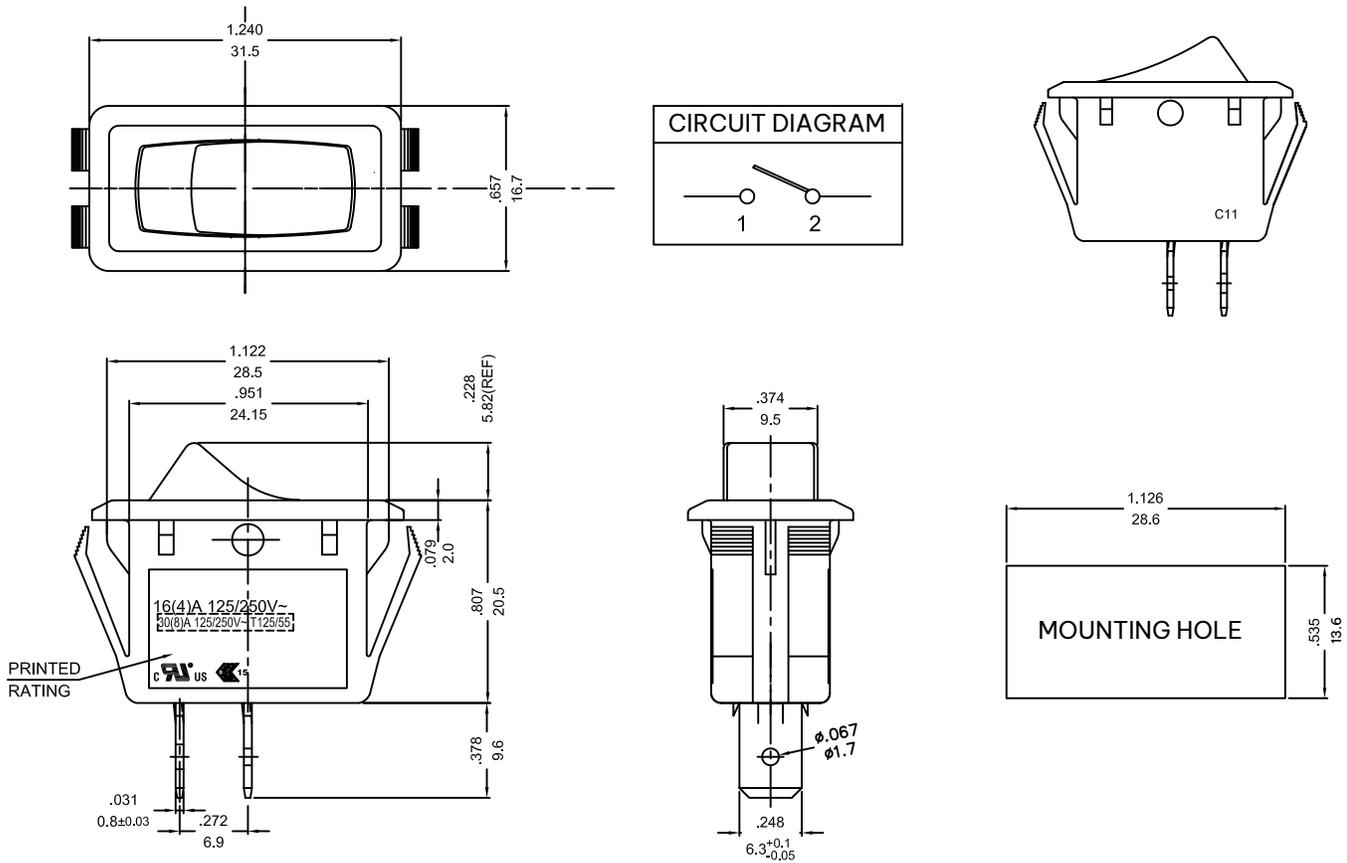
Product Specifications

Rocker Switch Specifications	
Rating:	16A 125VAC, 8A 250 VAC
	16 (8)A 250V~T125/55
Switch Function:	3P OFF-ON

Dielectric Withstand Voltage	1,500VAC 1 Minute
Insulation Resistance:	500VDC 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.
Illumination:	100-125 VAC



VRS-1-Q2PSI-28KNN-0
 VRS-1-Q2PSI-28KNN-0-M1



Notes:

1. Tolerances unless otherwise specified: $\pm .012/0.3$ (in/mm)
2. VRS-1-Q2PSI-28KNN-0-M1 is similar to VRS-1-Q2PSI-28KNN-0 with an M1 marking.
See page 2.

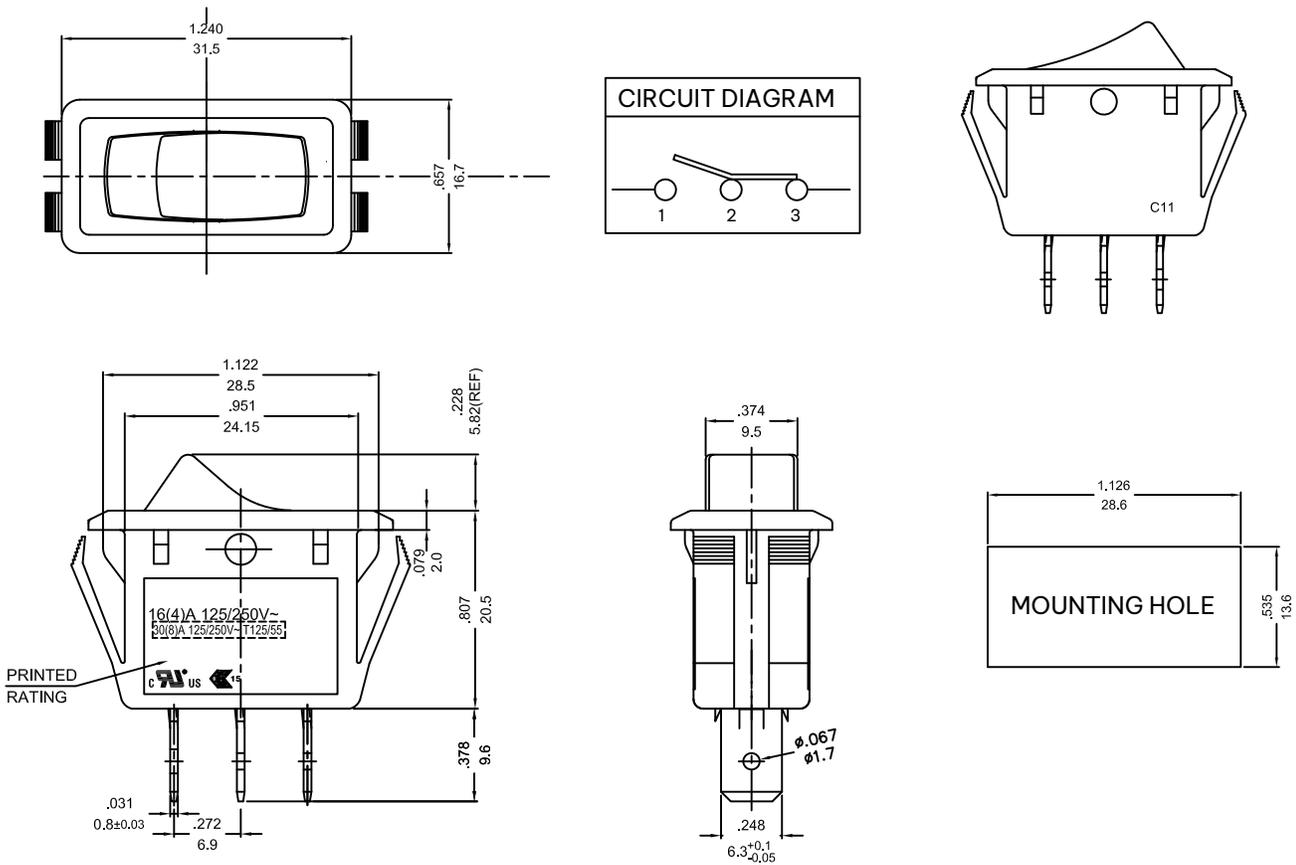
Product Specifications

Rocker Switch Specifications	
Rating:	30A 125 VAC, 8A 250 VAC
Dielectric Withstand Voltage:	1,000VAC 1 Minute
Insulation Resistance:	500VDC 100M Ω Min.
Contact Resistance:	20m Ω Initial Max.
Switch Function:	2P OFF-ON





VRS-4-Q3PSI-28KNN-0



Note:

1. Tolerances unless otherwise specified: $\pm .012/0.3$ (in/mm)

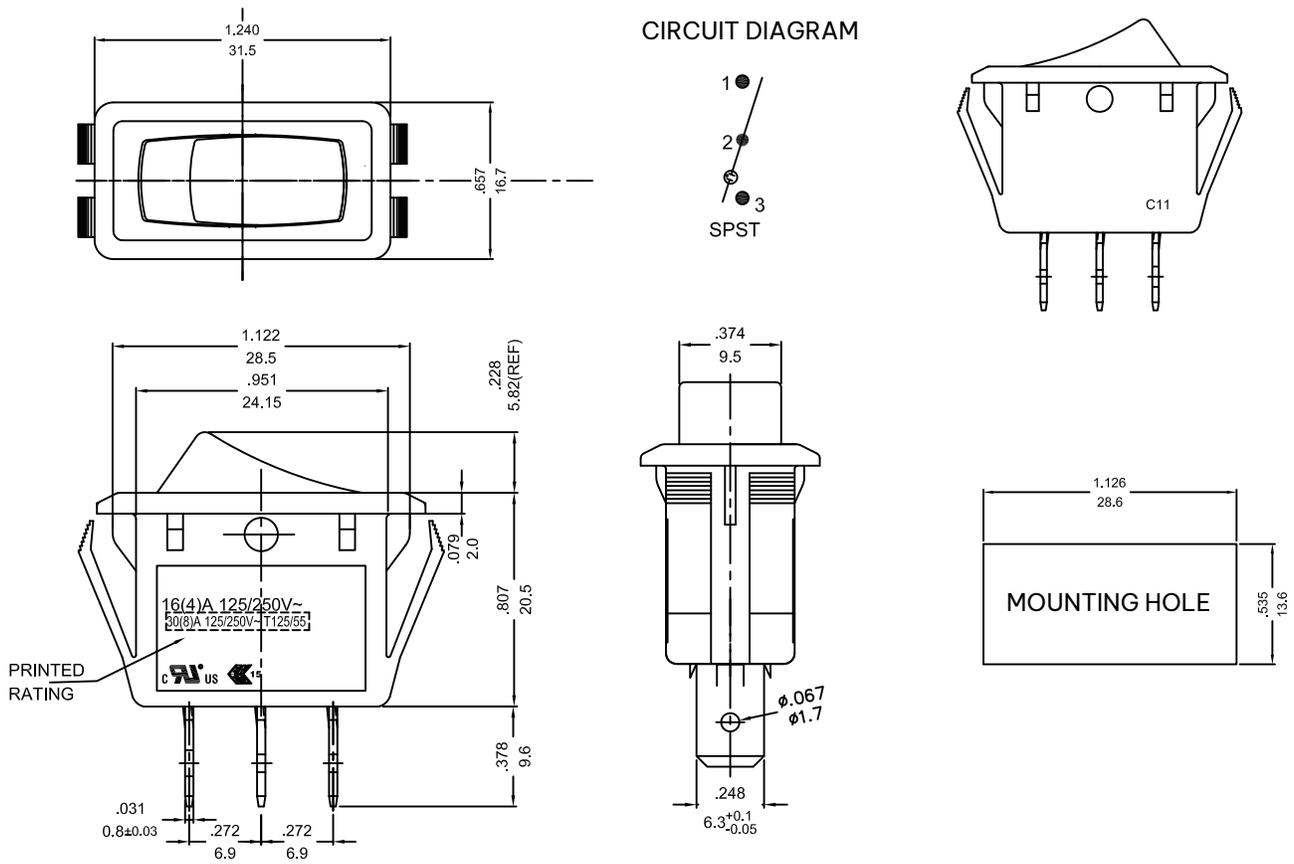
Product Specifications

Rocker Switch Specifications	
Rating:	30A 125 VAC, 8A 250 VAC 
Dielectric Withstand Voltage:	1,000VAC 1 Minute
Insulation Resistance:	500VDC 100M Ω Min.
Contact Resistance:	20m Ω Initial Max.
Switch Function:	3P ON-ON





VRS-1-Q3PSI-28RIR-0



Note:

1. Tolerances unless otherwise specified: ± .012/0.3 (in/mm)

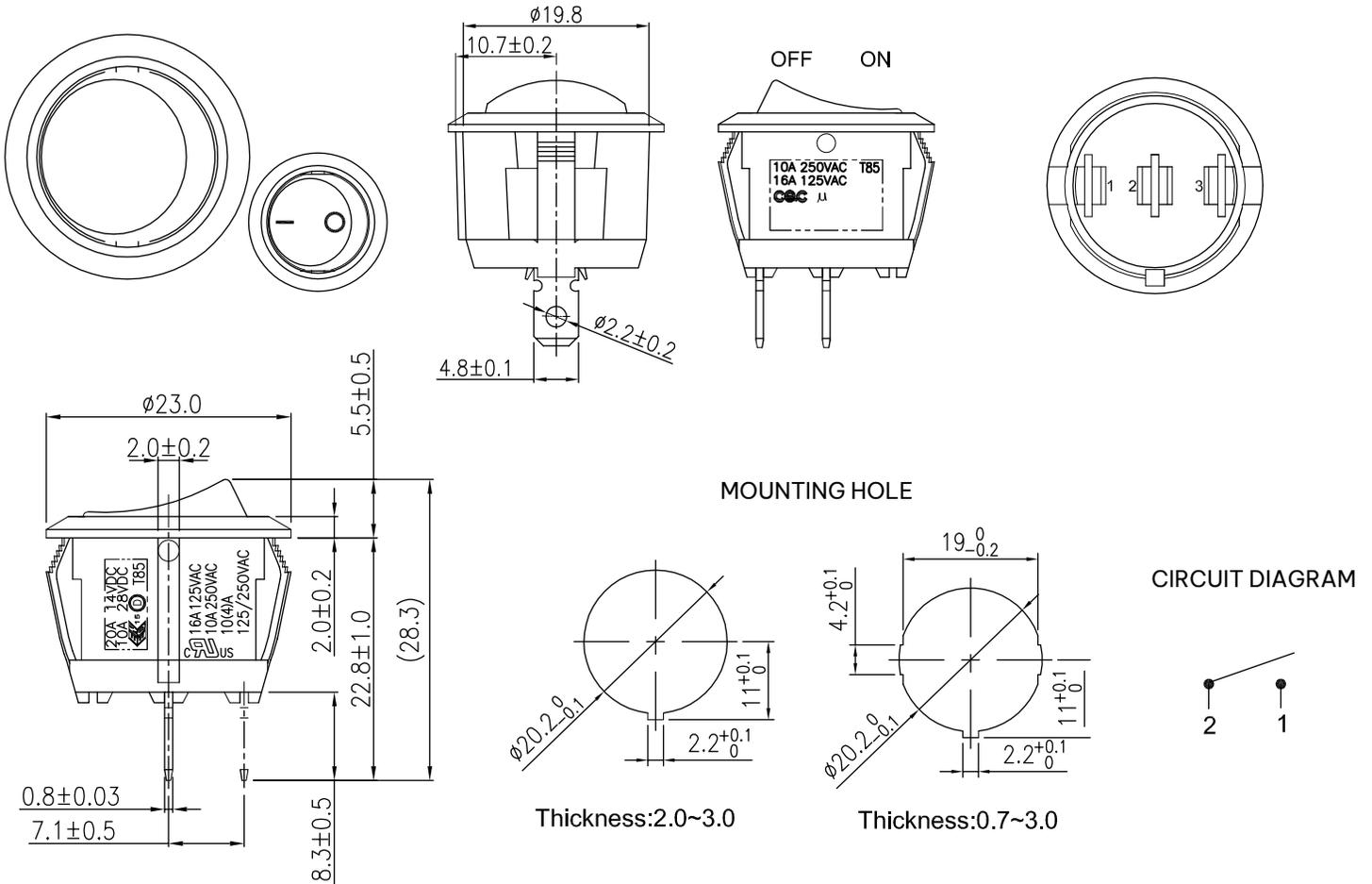
Product Specifications



Rocker Switch Specifications	
Rating:	30A 125 VAC, 8A 250 VAC  
Dielectric Withstand Voltage:	1,000VAC 1 Minute
Insulation Resistance:	500VDC 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.
Illumination:	100~125VAC
Switch Function:	3P OFF-ON



VRS-1-Q2PSI-20KNN-0
 VRS-1-Q2PSI-20KNN-0-M1



Note:

1. Tolerances unless otherwise specified: ± 0.3
2. VRS-1-Q2PSI-20KNN-0-M1 is similar to VRS-1-Q2PSI-20KNN-0 with an M1 marking.
See page 2.

Product Specifications

Rating:	16A 125VAC, 10A 250VAC
	10A 125VAC, 4A 250VAC T85 20A 14VDC, 10A 28VDC
	10A 250VAC T85 16A 125VAC
Contact Resistance	50mΩ Max.
Insulation Resistance	DC 500V 100MΩ Min.
Dielectric Strength	AC 1500V 1 minute
Operation temperature	-25°C ~ 85°C
Switch Function	2P OFF-ON

VRS-1-Q2PSI-20KNN-0-M1

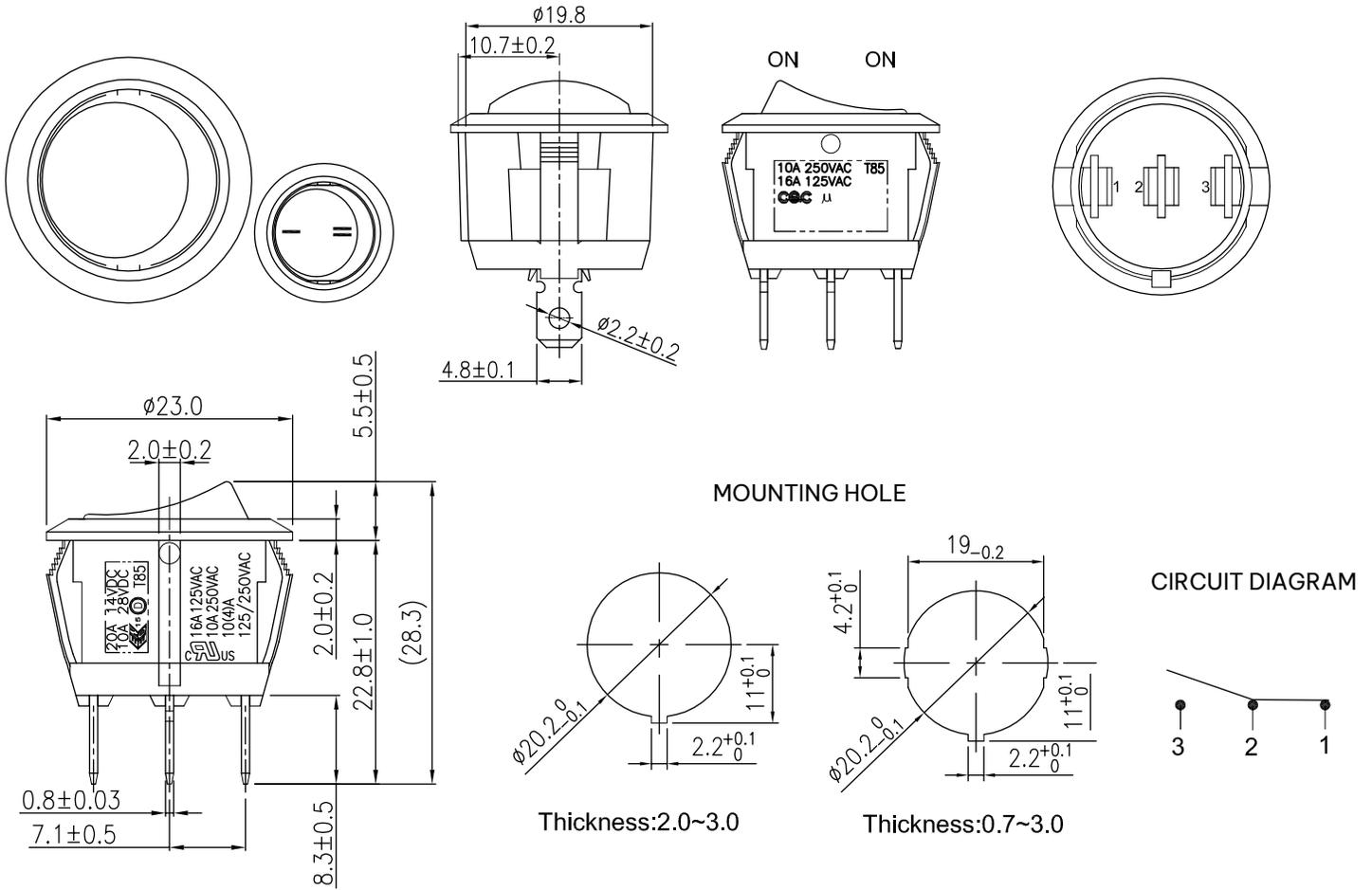


VRS-1-Q2PSI-20KNN-0

MATERIAL	
Frame:	Nylon 66
Actuator:	Nylon 66
Terminals:	Copper
Contacts:	AgSnO2InO3
Marking ²	White, O-



VRS-4-Q3PSI-20KNN-0
 VRS-4-Q3PSI-20KNN-0-M3



Note:

1. Tolerances unless otherwise specified: ± 0.3
2. VRS-4-Q3PSI-20KNN-0-M3 is similar to VRS-4-Q3PSI-20KNN-0 with an M3 marking.
 See page 2.

Product Specifications

Rating:	16A 125VAC, 10A 250VAC
	10A 125VAC, 4A 250VAC T85
	20A 14VDC, 10A 28VDC
	10A 250VAC T85
	16A 125VAC
Contact Resistance	50mΩ Max.
Insulation Resistance	DC 500V 100MΩ Min.
Dielectric Strength	AC 1500V 1 minute
Operation temperature	-25°C ~ 85°C
Switch Function	3P ON-ON

VRS-4-Q3PSI-20KNN-0-M3

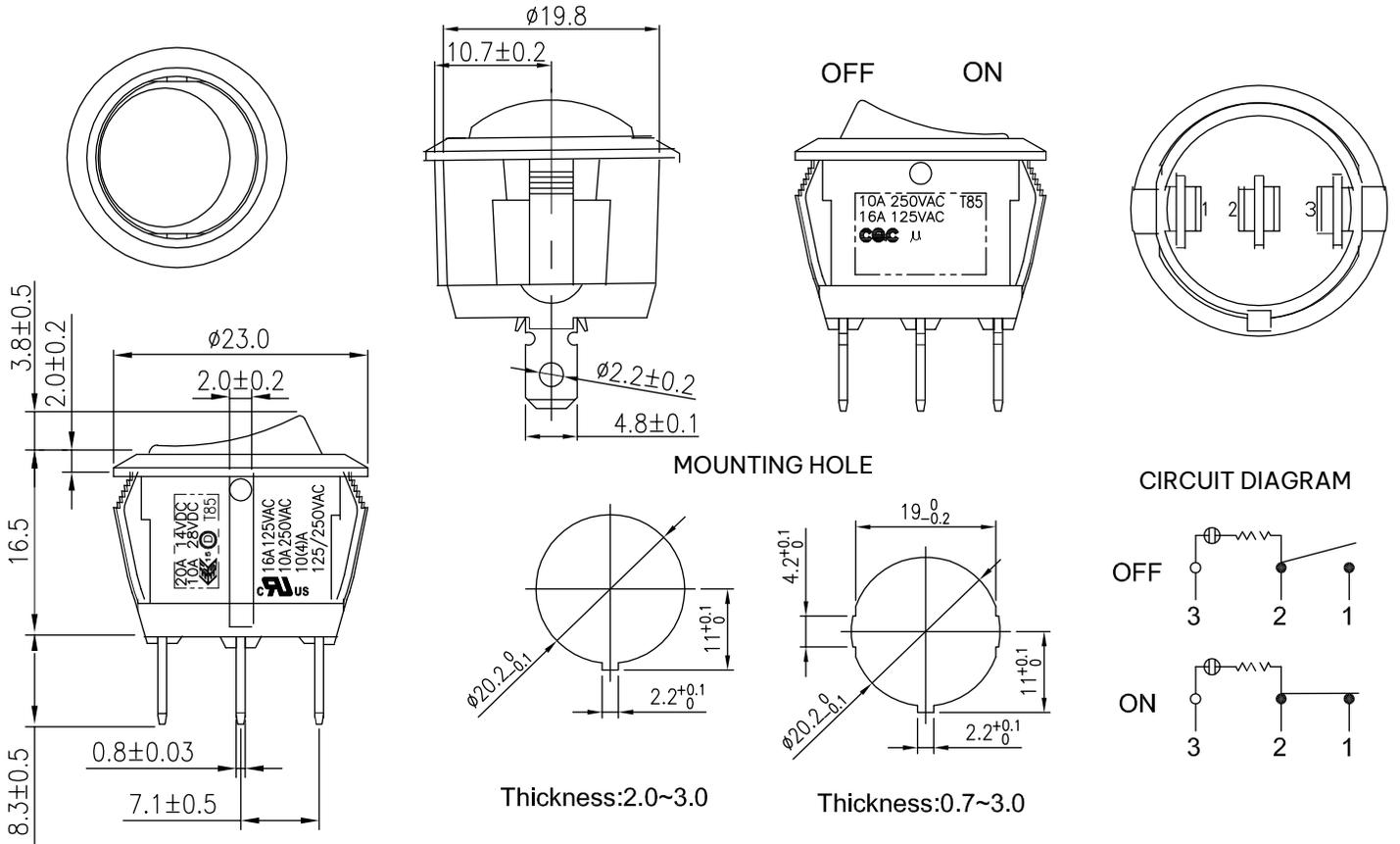
VRS-4-Q3PSI-20KNN-0



MATERIAL	
Frame:	Nylon 66 Black
Actuator:	Nylon 66 Black
Terminals:	Cooper Alloy, Silver plating
Marking ²	White, -=

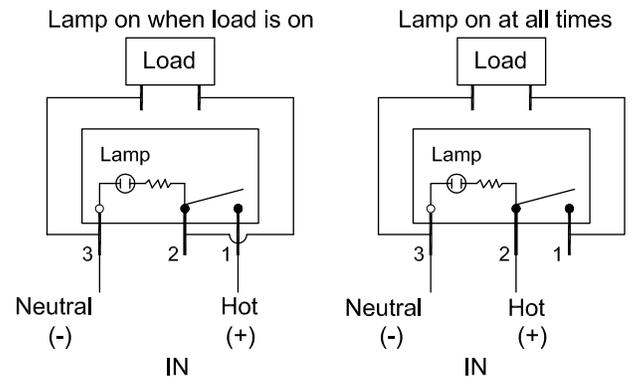


VRS-1-2Q3PSI-20RIR-0
VRS-1-2Q3PSI-20GIG-0



Notes:

1. Tolerances unless otherwise specified: ± 0.3
2. VRS-1-2Q3PSI-20GIG-0 is similar to VRS-1-2Q3PSI-20RIR-0 with actuator in green. See page 2.



Product Specifications

Rating:	16A 125VAC, 10A 250VAC
	10A 125VAC, 4A 250VAC T85 20A 14VDC, 10A 28VDC
	10A 250VAC T85 16A 125VAC
Contact Resistance	50mΩ Max.
Insulation Resistance	DC 500V 100MΩ Min.
Dielectric Strength	AC 1500V 1 minute
Operation temperature	-25°C ~ 85°C
Switch Function	3P OFF-ON



MATERIAL	
Frame:	Nylon 66 Black (94V-2)
Actuator:	Nylon 66 Black (94V-2)
Terminals:	Cooper alloy, Silver plating



Compliances and approvals

