



RS SERIES ROCKER SWITCHES

General purpose rocker 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 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

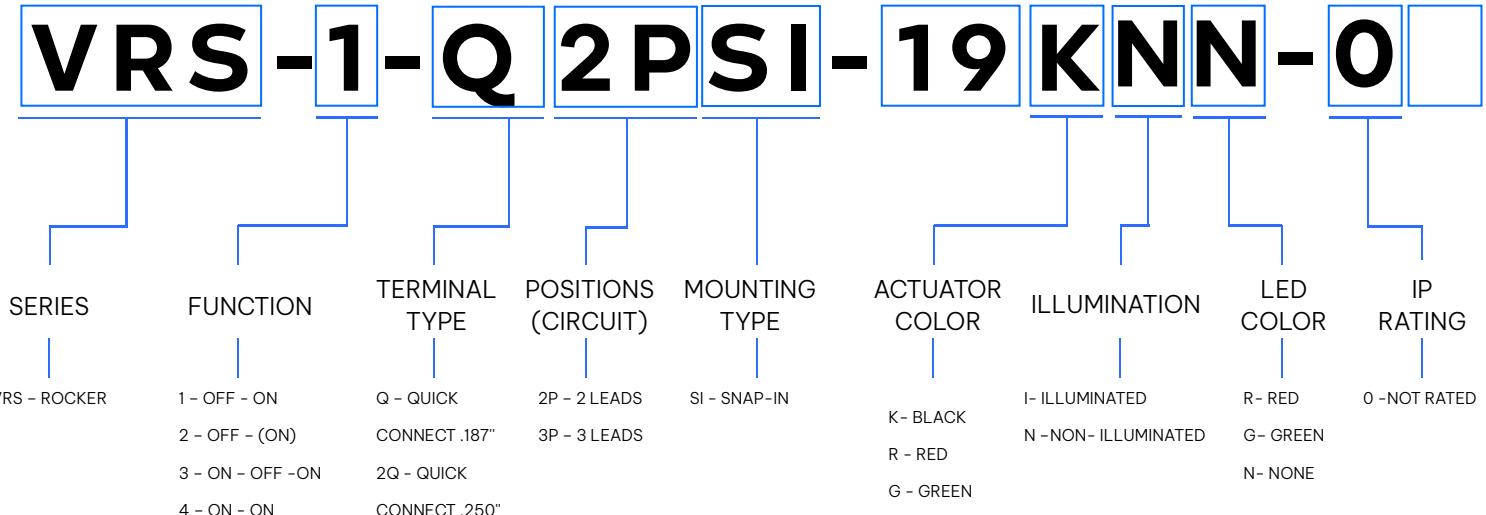
SOME NUMBERS HAVE EXTRA CHARACTERS TO DENOTE SPECIAL MARKINGS OR COLOR MARKINGS.

M1

M2

M3

APPROX MOUNTING HOLE SIZE



Ordering Data



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

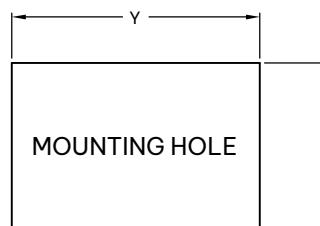
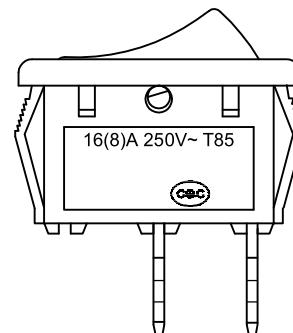
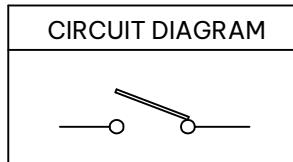
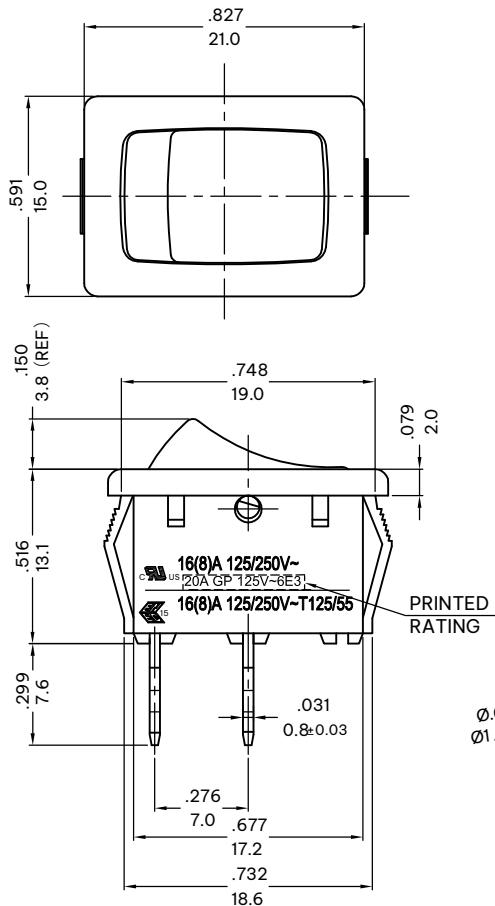
Mounting Hole: 20.2mm

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



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:

- Notes:**

 1. Tolerances unless otherwise specified: $\pm .012$ /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.

VRS-1-Q2PSI-19KNN-Q



VRS-1-Q2PSI-19RNN-C



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

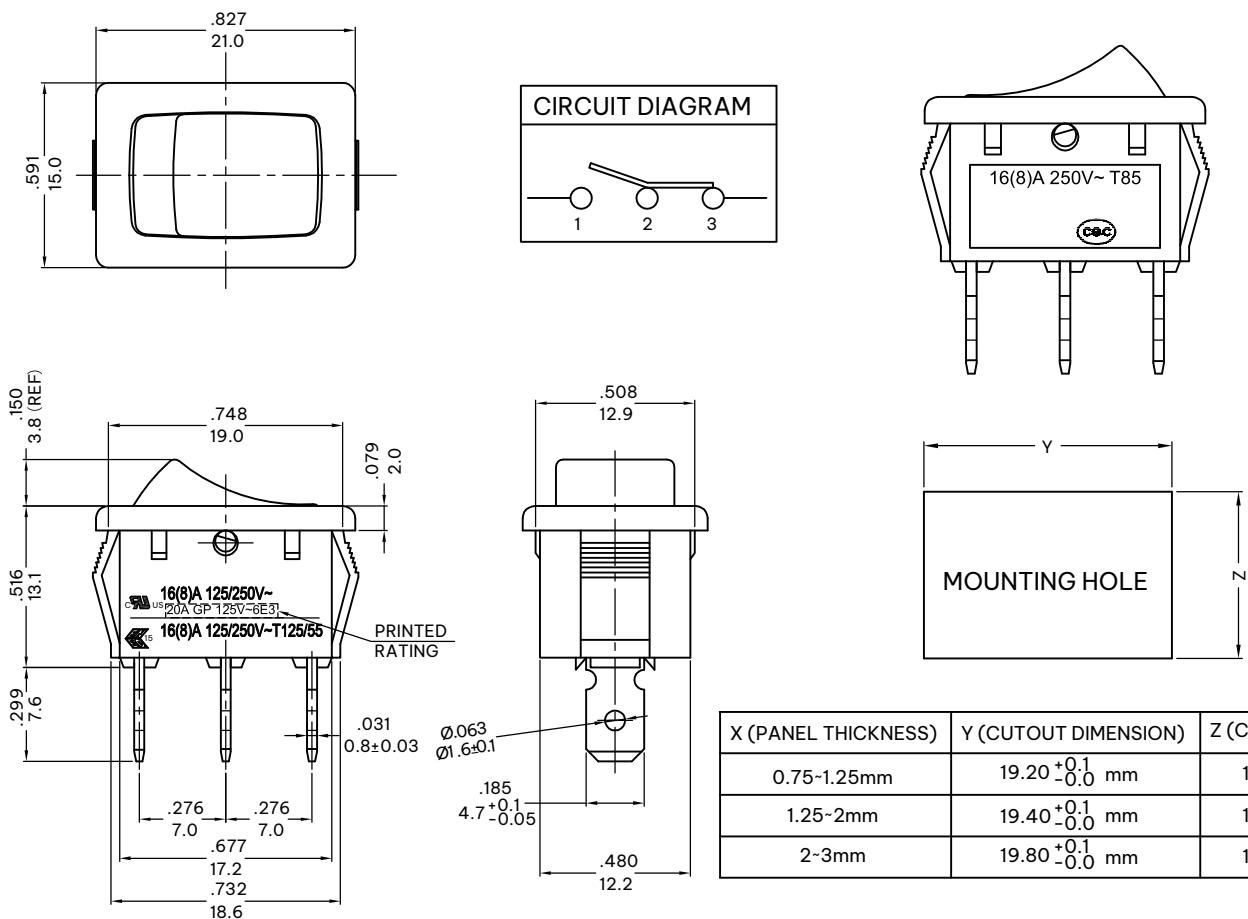
Product Specifications

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

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



VRS-4-Q3PSI-19KNN-0



Note:

- Tolerances unless otherwise specified: $\pm .012/0.3$ (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



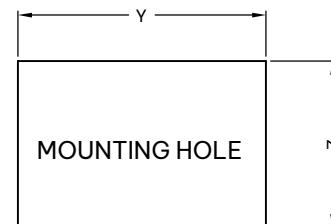
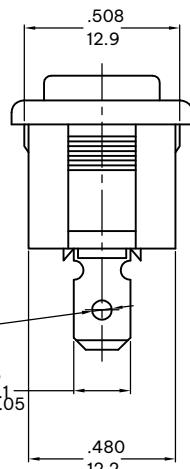
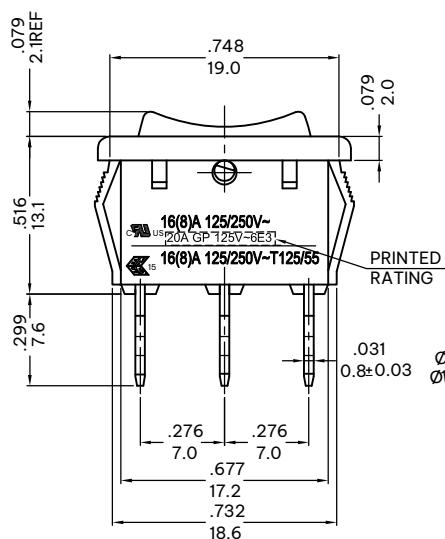
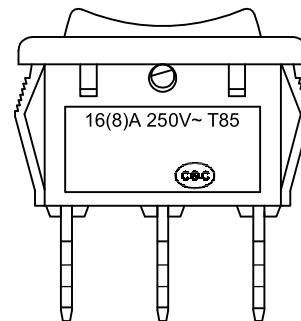
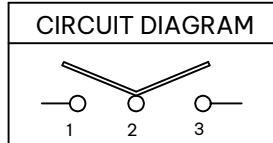
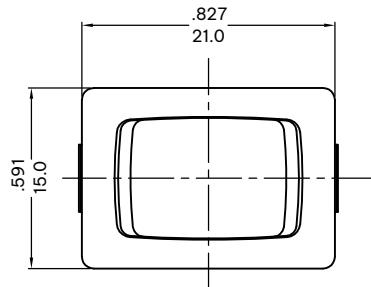
Dielectric Voltage-Withstand:	1,500VAC For 1 Minute
Insulation Resistance:	DC 500V 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.



VRS-3-Q3PSI-19KNN-0

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

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



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

1. Notes:

2. Tolerances unless otherwise specified: $\pm .012/0.3$ (in/mm)
3. VRS-3-Q3PSI-19KNN-0-M2 is similar to VRS-3-Q3PSI-19KNN-0 but with an M2 marking. See page 2.
4. 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
	16 (8)A 125/250V ~T55
	16 (8)A 125/250V ~T125/55
	16 (8)A 250V~T85
Switch Function:	3P ON-OFF-ON



VRS-3-Q3PSI-19KNN-0

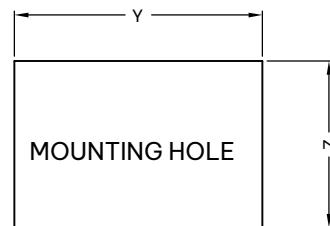
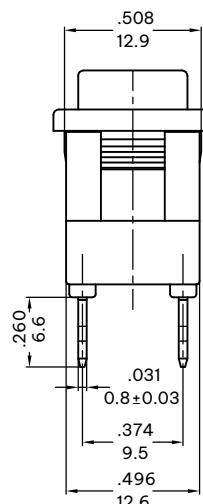
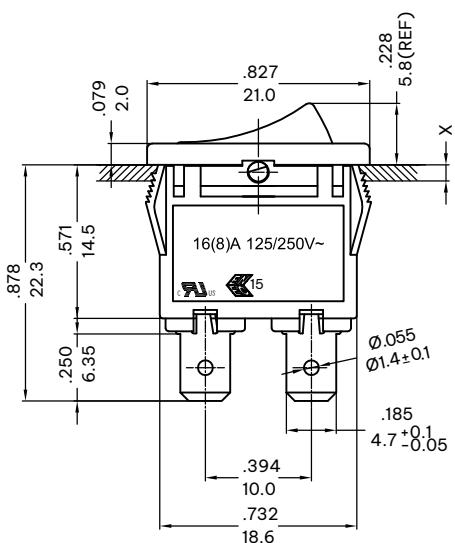
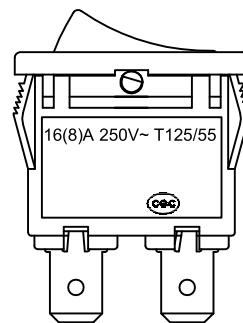
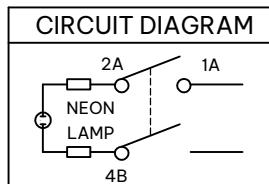
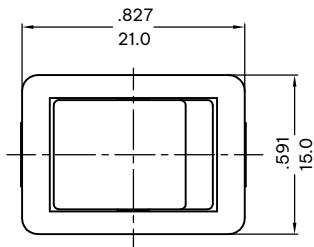
VRS-3-Q3PSI-19RNN-0-M2

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:

- Tolerances unless otherwise specified: $\pm .012/0.3$ (in/mm)
- VRS-1-Q3PSI-19RIR-0 has actuator in green
- VRS-1-Q3PSI-19GIG-0 has actuator in red.

See page 2.

VRS-1-Q3PSI-19GIG-0



VRS-1-Q3PSI-19RIR-0



Product Specifications

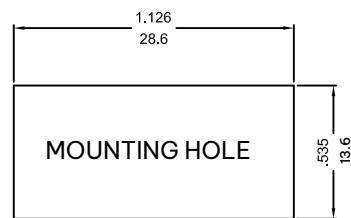
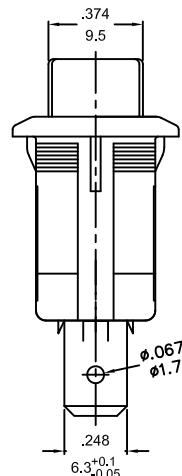
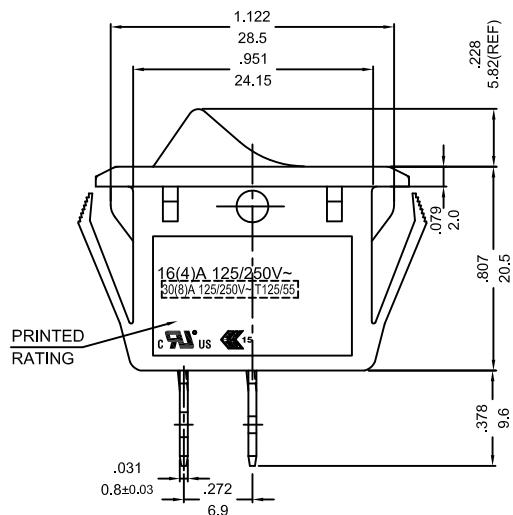
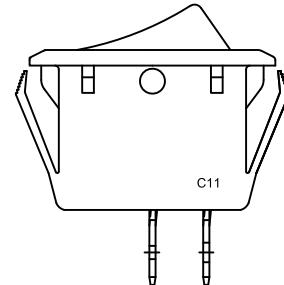
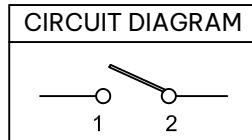
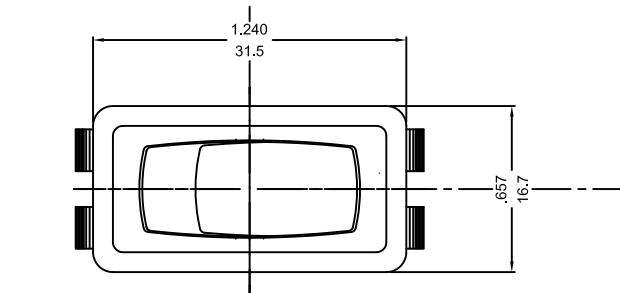
Rocker Switch Specifications	
Rating:	16A 125VAC, 8A 250 VAC
	16 (8)A 250V~T125/55
Switch Function:	3P OFF-ON

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:

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

Product Specifications

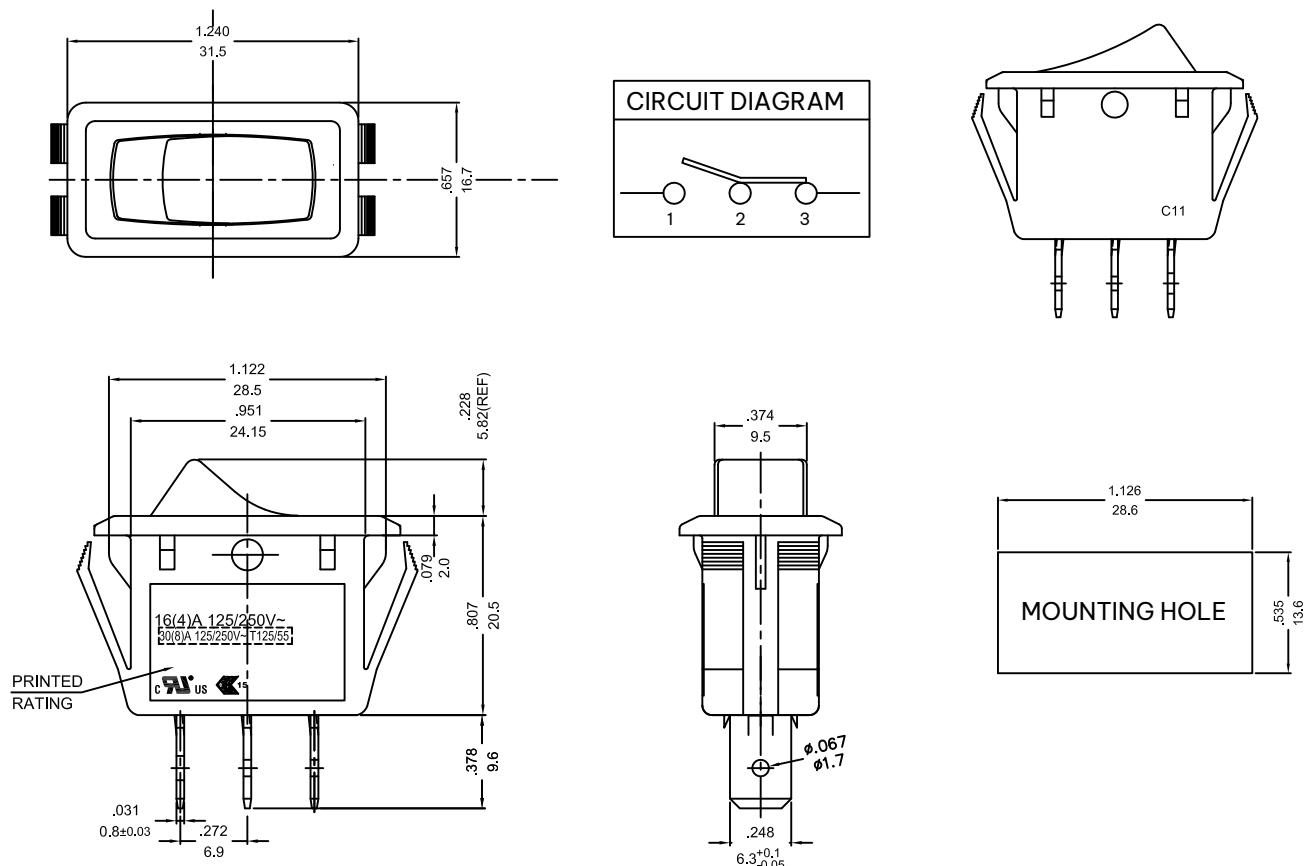
Rocker Switch Specifications	
Rating:	30A 125 VAC, 8A 250 VAC
Dielectric Withstand Voltage:	1,000VAC 1 Minute
Insulation Resistance:	500VDC 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.
Switch Function:	2P OFF-ON



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



VRS-4-Q3PSI-28KNN-0



Note:

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

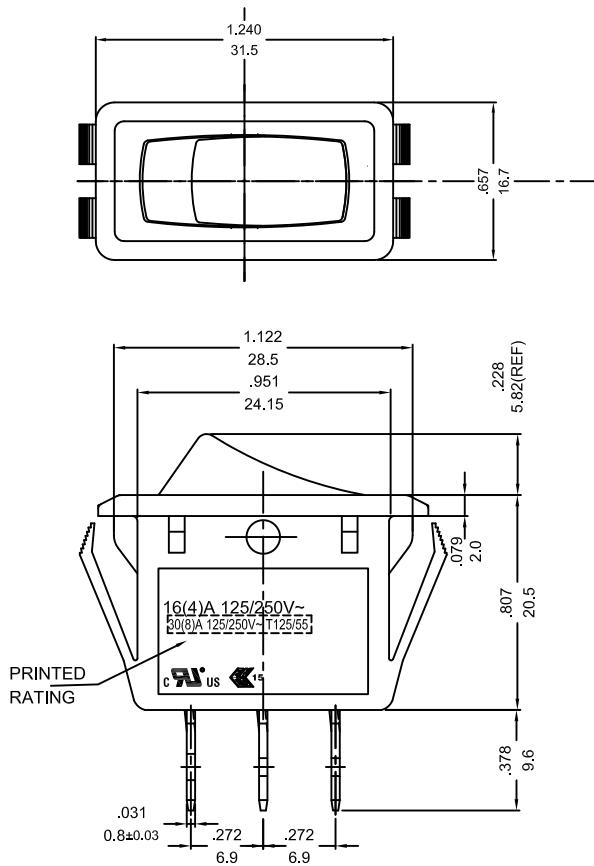
Product Specifications

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

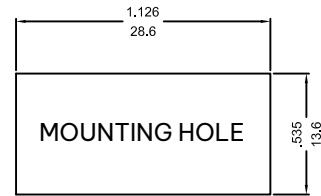
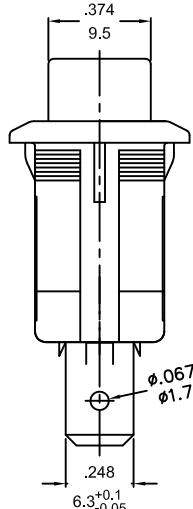
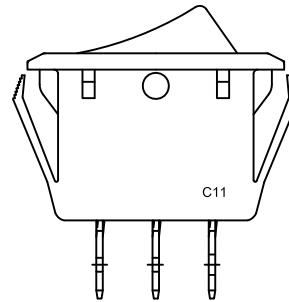




VRS-1-Q3PSI-28RIR-0



CIRCUIT DIAGRAM



Note:

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

Product Specifications

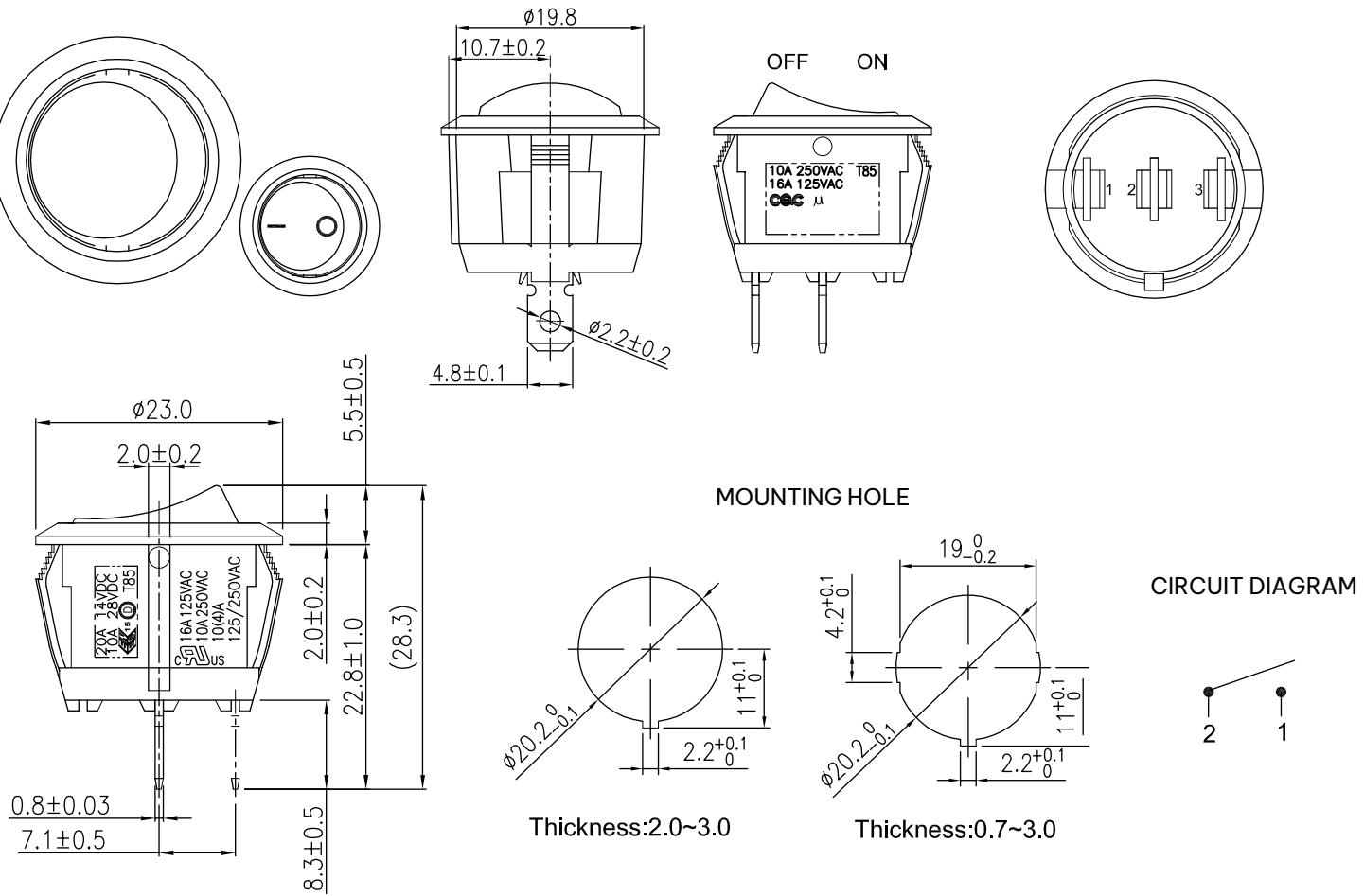
Rocker Switch Specifications	
Rating:	30A 125 VAC, 8A 250 VAC
Dielectric Withstand Voltage:	1,000VAC 1 Minute
Insulation Resistance:	500VDC 100MΩ Min.
Contact Resistance:	20mΩ Initial Max.
Illumination:	100~125VAC
Switch Function:	3P OFF-ON





VRS-1-Q2PSI-20KNN-0

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



Note:

- Tolerances unless otherwise specified: ± 0.3
- 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 20A 14VDC, 10A 28VDC	
	10A 250VAC 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

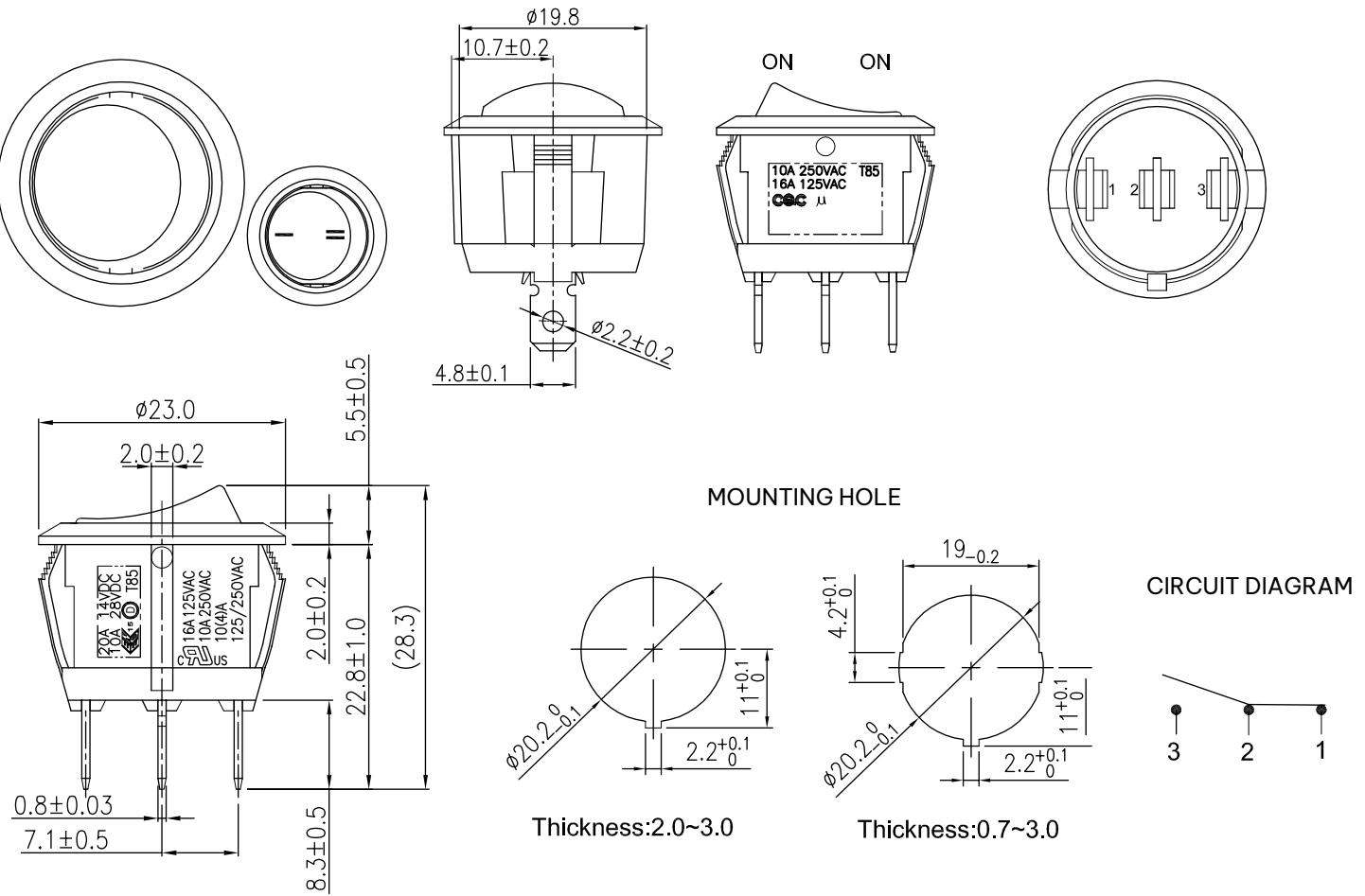


VRS-1-Q2PSI-20KNN-0

MATERIAL	
Frame:	Nylon 66
Actuator:	Nylon 66
Terminals:	Copper
Contacts:	AgSnO ₂ InO ₃
Marking ²	White, O-



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



Note:

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

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

Product Specifications

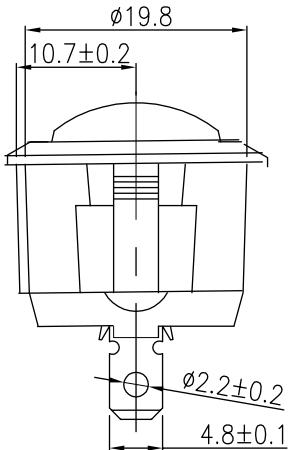
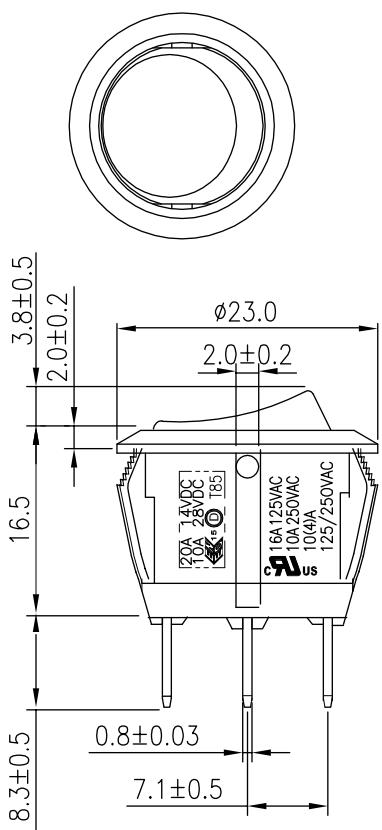
Rating:	16A 125VAC, 10A 250VAC	
	10A 125VAC, 4A 250VAC	
	20A 14VDC, 10A 28VDC	
10A 250VAC		
16A 125VAC		
Contact Resistance	50mΩ Max.	
Insulation Resistance	DC 500V 100MΩ Min.	
Dielectric Strength	AC 1500V 1 minute	
Operation temperature	-25°C ~ 85°C	
Switch Function	3P ON-ON	



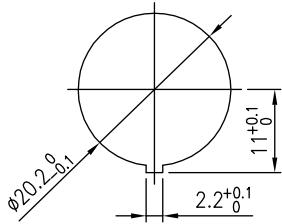
MATERIAL	
Frame:	Nylon 66 Black
Actuator:	Nylon 66 Black
Terminals:	Cooper Alloy, Silver plating
Marking ²	White, -=



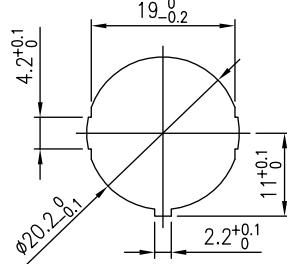
VRS-1-2Q3PSI-20RIR-0
VRS-1-2Q3PSI-20GIG-0



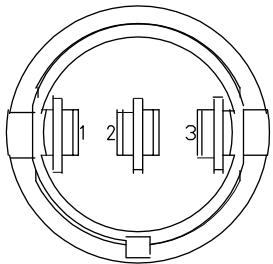
MOUNTING HOLE



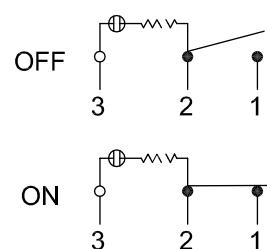
Thickness: 2.0~3.0



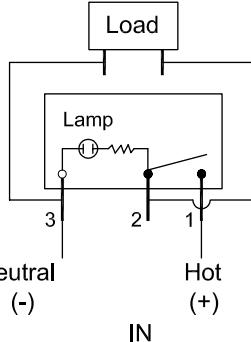
Thickness: 0.7~3.0



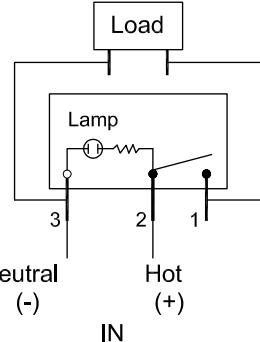
CIRCUIT DIAGRAM



Lamp on when load is on



Lamp on at all times



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	
	20A 14VDC, 10A 28VDC	
	10A 250VAC	
	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	



VRS-1-2Q3PSI-20GIG-0

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



Compliances and approvals

