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Pushbutton Switches

A22NL-RPM-TWA-G100-WC

Image

Cylindrical (22/25 mm dia.), Round projection type, LED lamp, White (Transparent), IP66;NEMA4X, NEMA13, Bezel material: Brushed metal (Round), Lamp:24 VAC/VDC White, Momentary, SPST-NO, Screw terminal (M3.5)

Type	Pushbutton Switch (22-dia.)
Shape	Cylindrical type (22/25 mm dia.)
Operating portion	Round projection type White (Transparent)
Lighted method	Lighted (LED lamp)
Bezel material	Brushed metal (Round)
Terminal	Screw terminal (M3.5)

Ratings

As of September 7, 2020

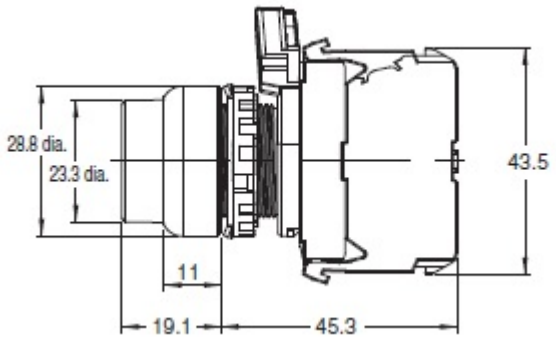
Type		Pushbutton Switch (22-dia.)
Shape		Cylindrical type (22/25 mm dia.)
Lighted/Non-lighted		Lighted
Operating portion	**Shape of operating portion**	Round projection type
	Color of operating portion	White
	Transparency/Opacity	Transparent
Operating function		Momentary
Bezel material		Brushed metal (Round)
Load		For General load
Minimum applicable load		6 mA at 5 VDC
Contact blocks constitution		Unit position 1: NO Unit position 2: Lighting Units
Lamp	**Method of lamp unit**	LED lamp
	Lamp color	White
	Rated voltage	24 VAC/VDC
	Operating voltage	24 VAC/VDC±10%
	Rated current	5 mA
Contact rating	**Contact form**	SPST-NO
	Rated through current	10 A
	Ratings (AC)	Resistive load (AC-12): 10 A at 24 VAC/10 A at 120 VAC/6 A at 240 VAC/2 A at

		380 VAC/2 A at 440 VAC Inductive load (AC-15): 10 A at 24 VAC/6 A at 120 VAC/3 A at 240 VAC/1.9 A at 380 VAC/1.6 A at 440 VAC
	Ratings (DC)	Resistive load (DC-12): 8 A at 24 VDC/2.2 A at 120 VDC/1.1 A at 240 VDC Inductive load (DC-13): 4 A at 24 VDC/1.1 A at 120 VDC/0.55 A at 240 VDC
	Ratings explanation	Conditions: Temperature 20±2 ℃, Ambient humidity 65±5% RH, Operating frequency 30 operations/min
Terminal specifications		Screw terminal (M3.5)
Permissible operating frequency		Electrical: Max. 30 operations / 1 minute Mechanical: Max. 60 operations / 1 minute
Insulation resistance		100 MΩ min. (at 500 VDC, Not available for lighting units)
Dielectric strength		Between each terminaland ground: 2500 VAC 50/60 Hz 1 min Between each terminal of the same polarities: 2500 VAC 50/60 Hz 1 min (Not available for lighting units) (Initial value)
Vibration resistance		Malfunction: 10 to 55 Hz, 1.5 mm double amplitude (malfunction within 1 ms)
Shock resistance		Malfunction: 1000 m/s^2 max. (malfunction within 1 ms)
Ambient temperature range		Operating: -25 to 55 ℃ (with no freezing or condensation) Storage: -40 to 80 ℃ (with no freezing or condensation)
Ambient humidity range		Operating: 35 to 85% RH
Degree of protection		Front panele: IP66, NEMA4X, NEMA13
Classification of protection against electric shock		Class II
PTI (Tracking characteristic)		175
Pollution degree		3 (EN60947-5-1)

As of September 7, 2020

Dimensions

As of September 7, 2020



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Mounting hole dimensions

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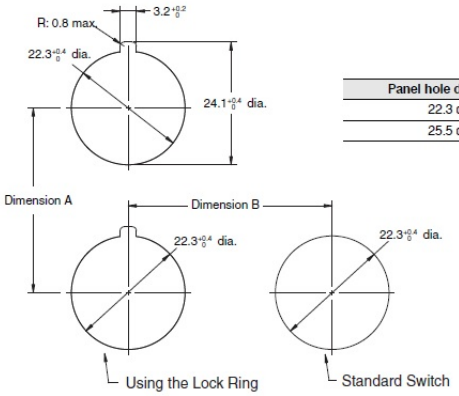
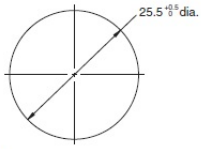
Panel Hole Dimensions for 22.3 Diameter



Panel hole dimension	Panel thickness
22.3 dia.	0.8 to 5 mm
25.5 dia.	0.8 to 6 mm

Panel Hole Dimensions for 25.5 Diameter



Dimension A

Wire type	Number of linked Contact Blocks	Number of wires per terminal	Minimum allowable pitch Dimension A (mm) or larger
Leads (stranded wire / solid wire)	1	1	50
Bare crimp terminals	1	1	50
Crimp terminals with insulating sheathes	1	1	60

Note: The minimum mounting pitch is based on three Contact Blocks in stage 1 with one wire attached to each terminal.
If the Mounting Collar lock levers all face the same direction at the minimum mounting pitch, be sure to note the order the mounting collars are attached to the Operation Unit.
If you attach two wires or link Units, determine the mounting pitch based on the dimensions diagrams and ease of operation and wiring.

Dimension B

Operation Unit shape	Dimension B
Mushroom	40 mm min.
Other than the above	30 mm min.

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