

Knob-type Selector Switch (Detachable) (Cylindrical 16-dia.)

A165W-T3AR-24D-2

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Knob-type Selector Switch (Cylindrical 16-dia.), Lighted, Round type, Red, LED, 3 notches, Automatic reset, DPDT, Solder terminal, IP65 oil-resistant type

Type	Knob-type selector switch
Shape	Cylindrical type (16 mm dia.)
Operating portion	Round type Red
Lighted method	Lighted (LED)
Number of notch	3 notches
Terminal	Solder terminal

Ratings

As of March 17, 2025

Type	Knob-type selector switch	
Shape	Cylindrical type (16 mm dia.)	
Lighted/Non-lighted	Lighted	
Number of notch	3 notches	
Operating portion	Shape of operating portion	Round type
	Color of operating portion	Red
Reset method	Automatic reset on left and right	
Load	General load/Micro load	
Minimum applicable load	1 mA at 5 VDC	
Lamp	Method of lamp unit	LED
	Lamp color	Red
	Rated voltage	24 VAC/VDC
	Operating voltage	24 VAC/VDC±5%
	Rated current	8 mA
Contact rating	Contact form	DPDT
	Ratings (AC)	Resistive load: 5 A at 125 VAC/3 A at 250 VAC
	Ratings (DC)	Resistive load: 3 A at 30 VDC
	Ratings explanation	Conditions: No vibration and no shock, Temperature 20±2 °C, Operating frequency 20 operations/min
Terminal specifications	Solder terminal	
Permissible operating frequency	Electrical: Max. 10 operations / 1 minute Mechanical: Max. 20 operations / 1 minute	
Insulation resistance	100 MΩ min. (at 500 VDC)	

Dielectric strength	Between each terminal of the same polarities: 1000 VAC 50/60 Hz 1 min Between each terminal of the different polarities: 2000 VAC 50/60 Hz 1 min Between each terminal and ground: 2000 VAC 50/60 Hz 1 min Between lamp terminals: 1000 VAC 50/60 Hz 1 min (with LED not mounted)
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5 mm double amplitude (malfunction: 1 ms max.)
Shock resistance	Destruction: 500 m/s ² max. Malfunction: 150 m/s ² max. (malfunction time is 1 ms max.)
Ambient temperature range	Operating: -10 to 55 °C (with no freezing or condensation) Storage: -25 to 65 °C (with no freezing or condensation)
Ambient humidity range	Operating: 35 to 85 %
Degree of protection	IP65 oil-resistant type
Classification of protection against electric shock	Class II
PTI (Tracking characteristic)	175
Pollution degree	3 (IEC60947-5-1)
Weight	Approx. 13 g

Operating characteristics

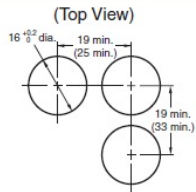
Operating Force (OF)	0.1 N.m max.
Set Position (SP)	45 +10, -0 °

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Mounting hole dimensions

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Square A165□-A, Round A165□-T

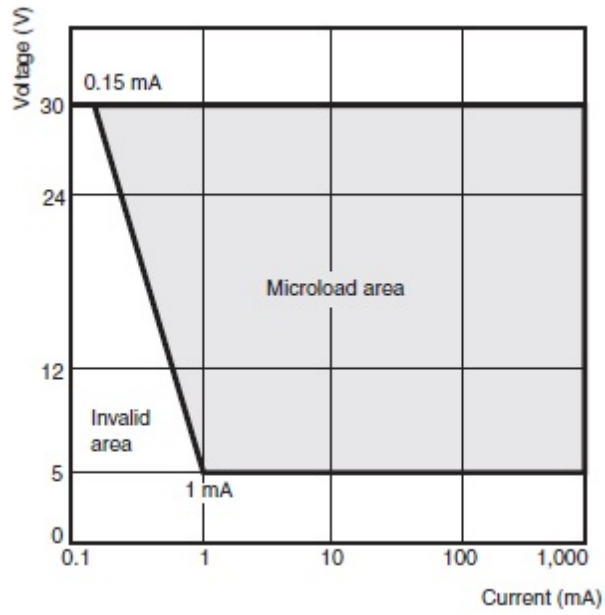


- Note: 1. Make sure the thickness of the mounting panel is 0.5 to 3.2 mm.
2. If the panel is to be finished with coating, etc., make sure that the panel meets the specified dimensions after coating.
3. Figures in parentheses are for screw-less clamp connectors.

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Applicable load diagram

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