Toggles

# General Speci cations

H					
_	Electrical Capacity (Resistive Load)				
Ś	Power Level: 10A @ 125/250V AC for JWM & JWMW models: 10A @ 30V DC for JWMW:				
R R		16A @ 125/250V AC for IWI & IWIW models, TOA @ 50V DC for telecommunication applicat			
La Roa					
	Other Ratings				
st	Contact Resistance:	10 milliohms maximum for JWM & JWMW; 20 milliohms maximum for JWL & JWLW			
ttor	Insulation Resistance:	1,000 megohms minimum @ 500V DC			
ndr	Dielectric Strength:	2,000V AC minimum between contacts for 1 minute minimum;			
ous		4,000V AC minimum between contacts & case	for 1 minute minimum		
	Mechanical Life:	25,000 operations minimum			
ld b	Electrical Life:	25,000 operations minimum			
ate	Nominal Operating Force:	JWM & JWMW Single Pole 3.92N & Double P	ole 7.84N		
лц.		JWL Single Pole 5.00N & Double Pole 10.00N	JWLW Double Pole 10.00N		
	Angle of Throw:	26°			
<u> </u>	Adventula O Finishes				
mal	Materials & Finisnes				
lam	Rocker:	Polyphenylene ether (UL94V-0) Case/Ba	se: Melamine (UL94V-0)		
rog	Housing/Frame & Barrier:	Polyamide (UL94V-0) Contac	ts: Silver alloy with silver plat	ing	
	Interior Seal for JWM & JWL:	Polyphenylene sulfide (UL94V-0) Termine	Is: Brass with silver plating		
KS KS	Environmental Data				
	Operating Temperature Range	$-25^{\circ}$ C through +70°C (-13°E through +158°E)	for JWM & JWL		
Key	operating temperatore Range.	$-25^{\circ}$ C through $+85^{\circ}$ C ( $-13^{\circ}$ E through $+185^{\circ}$ E)	for panel seal IWMW & IWIW	models	
	Humidity	$20 \sim 95\%$ humidity for 96 hours @ $40^{\circ}$ C (104	°F)	models	
	Vibration	$10 \sim 55$ Hz with peak-to-peak amplitude of 1	5 mm traversing the frequency ra	nge & returning	
	vibrailon.	in 1 minute: 3 right angled directions for 2 ho		nge a reiorning	
otar	<b>Shock:</b> 50G (490m/s <sup>2</sup> ) acceleration (tested in 6 right angled directions with 5 st			in each direction)	
R	Silice. Sealing:	IP67 of IEC60529 standard for papel soal IW/M	A & IMIW models: dust resistant	tinner soal for others	
	Jeding.	in or or incoder 27 signadia for parter sed 34444		inner seur for onners	
S	Installation				
ide	Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.			
S	Standards & Cartifications	tandards & Certifications			
	Elammability Standards:	11194V-0 for rocker housing, soal & case/base	of 1/4/1 1/4/44 1/4/44/4/ 8. 1/4/1/4	/ models	
	TV Patings for LIL & CSA:	W/M (TV-5) Overland Test @ 120V AC for 50 exercisions:			
	I V Runnigs for OE & CSA.	Steady State Current (rms) 7 5A: Mini	mum Inrush Current (peak) 111	Δ	
Tac		IWM (TV-5) Endurance Test @ 120V AC for 2	$\overline{5}000$ operations:	u.	
		Steady State Current (rms) 5A: Minim	um Inrush Current (peak) 78A.		
		JWL (TV-8) Overload Test @ 120V AC for 50 c	perations:		
		Steady State Current (rms) 12A; Minir	, num Inrush Current (peak) 163A	۸.	
÷.	JWL (TV-8) Endurance Test @ 120V AC for 25,000 operations:				
		Steady State Current (rms) 8A; Minim	um Inrush Current (peak) 117A.		
	111.	File No. E44145			
	UL.	NAMA & NAMANA models recognized at 10A @	2501/ 10		
uch		JANAN recognized at 10A @ 20V DC	230V AC.		
Го		INVI & INVINCE models recognized at 16A @ 25			
		JANE & JANEAN HIDdels recognized di TOA @ 25	OV AC, JWE di JA @ 724 DC.		
S		Models below recognized only when ordered	with marking on switch.		
itor		JWMW: add "/U" to end of part number to orde	r UL mark on switch; add "/CUL"	to end of part	
lico		number to order cULus mark on switch.	, <u>,</u>	•	
Inc		JWL: add "/U-DC" to end of part number to re	equest UL rating on DC rated swit	rch.	
	CSA	File No. 023535 0.000			
rie.	COAL	JWM & JWMW models certified at 10A @ 250V AC; JWL models certified at 16A @ 250V AC.			
es so					
Acce	VDE:	License No. 11563/			
⊲		JVVIVI models approved at steady state SA, Inru	sn oua, resistive IUA, & motor lo	bad oA all at	
ant		25UV AC; JWL models approved at steady state inrush 128A, resistive 16A, & motor load 8A			
eme		all at ZOUV AC.			
bb		NOTE: JVV/V & JVVL DOUBLE FOLE, SINGLE INFOW MODELS APPROVED ONLY with the international			
Su					
	B40	www.nkk.com		SWITCHES	



Black Rocker Cap with International ON-OFF Symbols in Horizontal Orientation

> DPST **ON-NONE-OFF** Circuit

Black Housing

16A @ 125/250V AC

www.nkk.com

Supplement Accessories

#### High Inrush 10 & 16 Amp Rockers

снея

### **Series** JW



www.nkk.com



CHES

### **Series JW**





/P BSSJFS t 

Toggles

Keylocks

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4JOHMF%PVCMFPMF



Single pole double throw models do not have terminals 2a, 2, & 2b; single throw models do not have 1a & 2a.

8JUI BSSJFS t ₿IQ



Part No.-(24.4) .961 (17.6) .693 \_(23.0) .906 \_(27.2) 1.071

#### 4JOHMF BVCMF 1PMF



JWL11BCA-H

Single pole double throw models do not have terminals 2a, 2, & 2b; single throw models do not have 1a & 2a.





#### PRECAUTIONS FOR HANDLING & STORAGE FOR JWMW/LW (PANEL SEAL TYPES)

#### **Operating Environment**

- Do not install switch where heavy dust collection occurs. Dust build-up under rocker may affect switch actuation.
- Do not actuate switch if submerged in water or oil.
- Installation is not recommended on horizontal surface in an environment where frequent splashing of
  water may occur. In such an environment, a minimum 30° angle installation is advisable. If there is
  a possibility of freezing, install vertically so no moisture will be retained within switch housing.

#### **Panel Mounting**

- Before snapping a switch into the panel, align the gasket evenly under bezel of the switch.
- When mounting into a panel, apply equal pressure to sides of bezel and insert parallel to panel.
- After mounting a switch, be sure there are no gaps between switch and panel. Lightly push into panel.
- After installing into panel, do not apply excessive force.
- After panel installation and wiring is completed, do not apply force horizontally or vertically from behind panel.
- Behind the panel, cut area should be squared. If front of panel is painted, do not allow any paint to collect in corners of cutout to prevent level mounting.
- Avoid reinstalling a switch once it has been mounted in a panel. This may cause deterioration of panel sealability.



