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REPORT

on

InnoVista Sensors Industry (Huizhou) Ltd  
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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component, Appliance Switches: (mechanical micro switch)

Model	Load	Amp	Volt	Hz	Temp C	Pol/ Thr/ (Cir)	Endurance		IP	DIS	SP CA	ed
							30C	55C				
83264	GP	8	125- 250	50/60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	hp	1/4 hp	125- 250	50/60	115	1/1 or 2 (1.2 or 2.2)	6K	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	2	48	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	2.5	24	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	0.5	125	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	0.25	250	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017

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83265	GP	5	125-250	50/60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	hp	1/10 hp	125-250	50/60	115	1/1 or 2 (1.2 or 2.2)	6K	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	2	48	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	2.5	24	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	0.5	125	DC	115	1/1 or 2 (1.2 or 2.2)	-	10k	40	Micro (0.5)	2A 2B 2C	2017
	R	0.25	250	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
83268	GP	0.1	125	50/60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
83268 SP9328	GP	0.1	125	50/60	200	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	200	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017

83268 SP9310	GP	0.1	125	50/ 60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
83268 SP9355	GP	5	125	50/ 60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	<b>RM</b>	<b>5 (1)</b>	<b>125/ 250</b>	<b>50/ 60</b>	<b>150</b>	<b>1/1 or 2 (1.2 or 2.2)</b>	-	<b>50K</b>	<b>40</b>	<b>Micro (0.5)</b>	<b>2A 2B 2C</b>	<b>2017</b>
83269	GP	0.1	125	50/ 60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
83269 SP9328	GP	0.1	125	50/ 60	200	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	200	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
83269 SP9355	GP	5	125	50/ 60	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017
	R	0.1	30	DC	115	1/1 or 2 (1.2 or 2.2)	-	10K	40	Micro (0.5)	2A 2B 2C	2017

## EXPLANATION OF COLUMN HEADINGS

Model - Cat. No. - Identifier used by the manufacturer for a specific switch Model or Catalog number.

f/b - followed by, ww/o - With or without,

Load - identify the load according the Testing. R= resistive, RM= resistive and motor, RC= resistive and capacitive, L=tungsten lamp load, Spc= specific load, mA =load below 20mA, SpcL, SpcT = specific lamp load such as US L or T, I= inductive, SpcM= specific motor rating, TV= television, GP= general purpose, GPM= general purpose and motor, GPhp= general purpose and horse power.

Amps - the steady state amp value of the switch. Per pole value may be marked "PP" and is verified by the circuit connection.

Volt - the Voltage (RMS) value.

Hz - the Frequency or range such as (50-60).

Temp - The declared operating temperature of the switch.

Pol/Thr/Cir - The number of Poles (Pol) and Throws (Thr) represented by the switch construction (where "M" indicates multiple poles (more than 2)). The circuit (Cir) is identified by a code explained in the standard and appendix pages (Table 2 of 61058-1).

IP - Degree of protection against ingress of solid objects and dust, and harmful ingress of water.

DIS - Disconnect air gap across open contact, electronic is indicated by "e", micro indicated "micro", FULL indicated with a measurement in mm.

30C cycle - the number of Endurance cycles completed with a temperature rise less than 30C (on terminals).

55C cycle - the number of Endurance cycles completed with a temperature rise less than 55C (on terminals).

SPCA - Identifies Special Conditions of Acceptability that must be considered in the end product. A list of typical SPCOAs (represented with a number) are found in the WOYR2 guide card. Conditions other than the typical are represented with a letter and described in the specific volume and section follow-up procedure description.

ed - The switch evaluation was completed to the indicated UL standard revision date (such as 2009).

**Products designated USR have been investigated using requirements contained in UL Standard for Switches for Appliance, UL 61058-1 edition 5 and UL 61058-1-1 edition 1.**

Products designated CNR have been investigated using requirements contained in Canadian Standard CAN/CSA-C22.2 No. 61058-1:17 and CAN/CSA-C22.2 No. 61058-1-1:17.

Switch Declaration: Use table for general and indicate differences below.

Model	Series 8326		
Ambient Temp. C	See table page 1	Type Reference	U.T.
Total Cycles	See table page 1	Glow Wire Temp. C	850, 750
IP rating	See table page 1	PTI	175 IIIa
Electric shock Class	II	Over Voltage Category	II
Pollution degree Macro	3	Impulse withstand Volt	2500
Pollution degree Micro	2	Disconnect	See table page 1
Actuation	Linear (push-button)	Test Circuit	See table page 1

Terminal	Type	Wire range	Flexible/Rigid	Wire type	Prepared or Unprepared	Specific test amps
C1, NC2, NO4	Quick Connect Terminal (6.3 x 0.8, 4.8 x 0.8, 4.8 x 0.5, 2.8 x 0.5)	Table 4	Flexible	Solid/stranded	prepared	N/A
C1, NC2, NO4	Solder iron	Table 4	Flexible	Solid/stranded	prepared	N/A
C1, NC2, NO4	Solder bath	Table 4	Flexible	Solid/stranded	prepared	N/A
C1, NC2, NO4	Screwed	Table 4	Flexible	Solid/stranded	prepared	N/A

## FIGURE &amp; ILLUSTRATIONS:

The following Figures & Illustrations are included in this Report.

Figure and Illustration Index		
Figure	1	Switch 83268 SP9328 Overall View for Quick-Connector Terminal
Figure	2	Switch 83268 SP9328 Internal View for Quick-Connector Terminal
Figure	3	Switch 83264 Overall View for Solder Terminal
Figure	4	Switch 83264 Internal View for Solder Terminal
Figure	5	Switch 83264 Overall View for PCB Terminal
Figure	6	Switch 83264 Internal View for PCB Terminal
Figure	7	Switch 83264 Overall View for Screwed Terminal
Figure	8	Switch 83264 Internal View for Screwed Terminal
Illustration	1	Switch 83264 Disassembled Switch
Illustration	2	NOMENCLATURE of 8326 series.
Illustration	3	Dimension Drawing

See ILL. 2 for Dimensions.

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - The switches covered by this Report are for use only in complete equipment where the suitability of the combination is determined by UL.

STANDARD CONDITIONS OF ACCEPTABILITY: (See Section General or LIS guide Page)

SPECIAL CONDITIONS OF ACCEPTABILITY: (See section General or LIS guide Page)

Specific Conditions of Acceptability should be identified in page 1 column SPCA. Below are the conditions that apply to this description, items 1 to 8 or unique conditions are identified by a alphabetical letter.

- 2A. The Switch body is installed inside of end product; consider for no accessible parts.
- 2B. The switch provides only Basic insulation to live parts. The acceptability of user access of Basic insulation shall be considered in the end-use product.
- 2C. IP40 testing was completed on the complete switch without mounting in an end product.