

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Appliance Switches:

81 series with prefix SX f/b 2 digits f/b 1, 3, 4, 5, 6, A, B, Z f/b 8, B, C f/b 8 digits, may be f/b W or Y or Z

82 Series with prefix SX f/b 2 digits f/b 1, 2, 3, 4, 5, 6, 7, 8, A, B, L, M, N, P, S, V, W f/b 8, B, C f/b 8 digits may be f/b W or Y or Z

83 Serie with prefix SX f/b 2 digits f/b 1, 3, 4, 6, B, D, E, F, G, H, K, L, N, R, U, W, X f/b 8, B, C or X f/b 9 digits may be f/b W or Y or Z

A3 Series with prefix SX f/b 1 digit f/b 1, 3 f/b 8 f/b 8 digits may be f/b W or Y or Z

A4 Series with prefix SX f/b 1 digit f/b 1, 2, 3, 4, 6, 7, 8, B, L, M, N, P, S, V f/b 8 or B f/b 9 digits may be f/b W or Y or Z

SX82212XXX0000C6, SX82217XXX0000C6

Model	Load	Amp	Volt	Hz	Temp C	Pol/ Thr/ (Cir)	Endurance		IP	DIS	SPCA	ed
							30C	55C				
81	GP	20	125	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	-	10K	40	Full	--	2009
81	GP	16	250	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	--	10K	40	Full	--	2009
81	HP	3/4	125/250	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	6K	10K	40	Full	--	2009
82	GP	20	125	50	105/55	1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7)	--	10K	40	Full	--	2009

82	GP	16	250	50	105/55	1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7)	--	10K	40	Full	--	2009
82	HP	3/4	125/250	50	105/55	1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7)	6K	10K	40	Full	--	2009
83	GP	20	125	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	--	10K	40	Full	--	2009
83	GP	16	250	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	--	10K	40	Full	--	2009
83	HP	3/4	125/250	50	105/55	1/ 1,2 (1.2, 2.3, 3.3)	6K	10K	40	Full	--	2009
82	HP	3/4	125/250	50	100	2/1	6K	10K	00	Full	--	2009
A3	GP	16	125/250	50	105/55	1/ 1,2 (1.2, 2.3)		10K	40	Full	--	2009
A3	HP	3/4	125/250	50	105/55	1/ 1,2 (1.2, 2.3)	6K	10K	40	Full	--	2009
A4	GP	16	125/250	50	105/55	1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7)	--	10K	40	Full	--	2009
A4	HP	3/4	125/250	50	105/55	1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7)	6K	10K	40	Full	--	2009

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 4.

Products designated CNR have been investigated using requirements contained in Canadian Standard CAN/CSA-C22.2 No. 61058-1-09.

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

Model	82	Type Reference	CT
Ambient Temp. C	105/55	Glow Wire Temp. C	850
Total Cycles	10000	PTI	250 IIIa
IP rating	40	Over Voltage Category	II
Electric shock Class	II	Impulse withstand Volt	2500
Pollution degree Macro	3	Disconnect	Full
Pollution degree Micro	3	Test Circuit	2.7
Actuation	Rocker		

Terminal	Type	Wire range	Flexible/Rigid	Wire type	Prepared or Unprepared	Specific test amps
1, 2, 3, 4, 5, 6	Tab terminal 6.3x0.8 and/or Tab terminal 4.8x0.8 and or screw terminal	0.5- 2.5 mm ²	Flexible	/	Prepared and/or unprepared	/

NOMENCLATURE:

SX	81	X	X	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII

I	Prefix: SX
II	Basic designation: 81
III	Any letter or number - External shape of body and rocker
IV	Type of terminals: 1 Tab terminal 6.3x0.8 2 Tab terminal 4.8X0.8 4 Screw terminal X Combination of above
V	1, 3, 5, 6, Z, 4, A, B - Electrical scheme
VI	Electrical rating - 8 - for scheme 1, 3, 4, A, B, 6, Z 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - 8 - for scheme 5 16AGP 125/250Vac T105/55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 6, Z 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 Electrical rating - C - for scheme 6, Z 20AGP 125Vac T105/55 3/4HP 125Vac T105/55
VII	Any letter or number - Body color
VIII	Any letter or number - Rocker color
IX	Any letter or number - Rocker mark color
X	Any letter or number - Rocker mark symbol
XI	Any letter or number - Lens color
XII	Customization
XIII	None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material

SX	82	X	X	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII

I	Prefix: SX
II	Basic designation: 82
III	Any letter or number - External shape of body and rocker
IV	Type of terminals: 1 Tab terminal 6.3x0.8 2 Tab terminal 4.8X0.8 4 Screw terminal 5, A, 6, X Combination of above
V	1, 2, 3, 4, 6, 7, 8, A, B, L, M, N, P, S, V, W - Electrical scheme
VI	Electrical rating - 8 - for scheme 1, 2, 3, 4, 6, 7, 8, A, B, L, M, N, P, S, V, W 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 6, 8, P, T, V, W 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 Electrical rating - C - for scheme 6, 8 20AGP 125Vac T105/55 3/4HP 125Vac T105/55 Electrical rating for code SX82212XXX0000C6 and code SX82217XXX0000C6 3/4HP 125/250Vac T100
VII	Any letter or number - Body color
VIII	Any letter or number - Rocker color
IX	Any letter or number - Rocker mark color
X	Any letter or number - Rocker mark symbol
XI	Any letter or number - Lens color
XII	Customization
XIII	None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material

SX	83	X	X	X	X	XX	X	XX	X	XX	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

I	Prefix: SX
II	Basic designation: 83
III	1, 3, F, K, X, P, Q - External shape of body and rocker / Terminal type
IV	1, 3, 4, 6, B, D, E, F, G, H, K, L, N, R, U, W, X - Electrical scheme
V	Electrical rating - 8 - for scheme 1, 3, 4, 6, B, D, E, H, F, N, U, R, W 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - 8 - for scheme K, L 16AGP 125/250Vac T105/55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 6, F 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 Electrical rating - C - for scheme 6, F 20AGP 125Vac T105/55 3/4HP 125Vac T105/55
VI	Any letter or number - Body color
VII	Any letter or number - Rockers colors
VIII	Any letter or number - Rocker mark color
IX	Any letter or number - Rockers mark symbols
X	Any letter or number - Lens color
XI	Customization
XII	None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material