

DESCRIPTION

PRODUCT COVERED:

CNR, USR - Special-Use Switches, Component.

Cat. No.	Electrical Rating	Load	Temp °C	POL/THR	Circuit / PP	ENDUR	SPCOA
Series SP, may be f/b L, f/b 60, f/b 1, 2, 3, 4, 5 or 6 or A, B, C, D, E or F, f/b 5, 6, 8, N, P or R, f/b 7, f/b six digits w/wo W as suffix.	16 A, 125-250 Vac 1/2 hp, 250 Vac 1/4 hp, 125 Vac	Gen, Hp	95	1/1	A	6k	2, 3
				2/1	D1/PP		
Series SP, may be f/b L, f/b 60, f/b 1, 2, 3, 4, 5 or 6 or A, B, C, D, E or F, f/b 1, 2, 4 or 7, f/b 7, f/b six digits.	16 A, 125-250 Vac 1/2 hp, 250 Vac 1/4 hp, 125 Vac	Gen, Hp	95	1/1	A	6k	3
				2/1	D1/PP		
Series SP, may be f/b L, f/b 60, f/b 1, 2, 3, 4, 5 or 6 or A, B, C, D, E or F, f/b 1, 2, 4 or 7, f/b 7, f/b six digits, f/b W.	16 A, 125-250 Vac 1/2 hp, 250 Vac 1/4 hp, 125 Vac	Gen, Hp	65	1/1	A	6k	3
				2/1	D1/PP		

EXPLANATION OF PRODUCT COVERED TABLE

f/b - followed by

w/wo - with or without

Load - Res, Resistive load (Power Factor = 0.98 - 1.0)
- Gen, General Use load (Power Factor = 0.75 - 0.80)
- Hp, Horse Power load (LRA, FLA) (Power Factor = 0.40 - 0.50)
- T, Tungsten-Filament Lamp - A.C. (Alternating Current) and D.C
(Direct Current)
- L, Tungsten-Filament Lamp - A.C. (Alternating Current) only
- TV, Television Rated

POL/THR - No. of Poles / No. of Throws.
"M" stands for Multi-Poles or Multi-Throws, e.g. 2/M indicates
Two-poles, Multi-throws.

PP - Stands for per Pole.
"PP" in this column indicates that each pole of the double-pole
switches is capable of switching the full rated current in
opposite polarity.

ENDUR - Endurance Rating.
No. of Endurance test operating cycles for which the switch has
been tested. The No. shown is in thousands and is abbreviated by
the letter k.

SPCOA - Special Condition of Acceptability.
The applicable Special COA's are indicated in this column in
number form and/or an indication "#", that an additional Condition
of Acceptability for the switch exists. The corresponding SPCOA's
are given in the following pages.

TEMP °C - Max switch body temperature limit in end-use application.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

USR - Indicates to Underwriters Laboratories Standard for Special-Use
Switches, UL1054.

CNR - Indicates to Canadian Standard C22.2 No. 55 - M1986.

Note: USR = United States Standards - Recognized
CNR = Canadian National Standards - Certified as Component

SPECIAL CONDITIONS OF ACCEPTABILITY

General - One or more of the following conditions of acceptability apply as indicated in the product covered table beginning on Page 1 of this report under the SPCOA (Special COA's) column.

1. The nonstandard quick-connect tabs (i.e other than noted in Table 7.1 of UL 1054) have been investigated with a specific nonstandard connector attached to wires of a specified size.

2. These are lighted switches employing a lamp. The lamp life should be evaluated when required by the end-use product Standard.

3. The switch has openings in the housing adjacent to arcing parts. The end-use application may involve environments (such as excessive dust or adjacent combustible material) that would exclude an opening in the switch housing.

4. These are diaphragm activated water level switches. Samples of the diaphragm have been subjected to aging tests for use at a specific temperature (shown within parenthesis in °C) and have also been examined for tensile strength and elongation after exposure to detergent. However, if the switch is mounted below the level of water which indirectly actuates it and the switch has an integral metal case, the metal case is to be considered a live part.

5. These are speed control switches. The investigation was limited to the switching function of the switch. In the final application it should be determined that the speed control circuit can be used with a particular appliance without resulting in a hazardous condition such as overheating of a motor or the switch in other than the full speed position. Open and shorted components of the speed control circuit shall be evaluated for compliance with the end-use Standard.

6. The switch employs screw-type pressure wire connectors or push-in terminals. These have been evaluated for use with solid and/or solder-dipped stranded conductors of a specified size (shown within parenthesis in AWG).

7. These switches employ an integral potentiometer. The investigation was limited to the switching function of the switch. The insulating materials and the spacings of the integral potentiometer should be investigated for compliance with the end-use product Standard.

8. The switch employs auxiliary contacts located externally to the main switch contact chamber. The auxiliary contacts were not tested as part of this investigation. The suitability of the auxiliary contacts must be determined in accordance with the end-use product Standard.

S.H.
D.G.