

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Appliance Switches: HE (Mechanical switch)

Model	Load	Amp	Volt	Hz	Temp. [°C]	Pol/ Thr/ (Cir.)	Endurance		IP	DIS	SPCA	Ed.
							30°C	55°C				
*xx-HE- yyyy-U	R	16	250	50	T120/55	2/M (1.2)	---	10K	00	Full	--	5

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	..HE-....U		
Ambient Temp. C	120/55	Type Reference	U.T.
Total Cycles	10000	Glow Wire Temp. C	850
IP rating	00	PTI	250 IIIa
Electric shock Class	II	Over Voltage Category	II
Pollution degree Macro	3	Impulse withstand Volt	2500
Pollution degree Micro	3	Disconnect	Full
Actuation	Rotary	Test Circuit	1.2

Terminal	Type	Wire range	Flexible/ Rigid	Wire type	Prepared or Unprepared	Specific test amps
All	Tab 6.3x0.8	0.5 - 2.5 mm ²	Flexible	Stranded	Prepared	N/A

NOMENCLATURE (marked on switch):

xx	HE	yyyy	U
I	II	III	IV

I	Number of line: from 3 to 19
II	Series designation: HE
III	Specific model: from 0000 to 9999
IV	Model covered by UL certification: U

FIGURE & ILLUSTRATIONS:

The following Figures & Illustrations are included in this Report.

Figure and Illustration Index		
Figure	1	Rotary switches, HE series, top view
Figure	2	Rotary switches, HE series, Bottom view