

# CERTIFICATE OF COMPLIANCE

Certificate Number E98133  
Report Reference E98133-2021-04-26  
Date 2021-May-06

Issued to: EVEREL GROUP SPA  
Via Cavour 9  
Valeggio Sul MincioVr 37067 IT

This is to certify that representative samples of SWITCHES, APPLIANCE AND SPECIAL USE - COMPONENT  
R1 Series

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 61058-1 the standard for Switches for Appliances — Part 1: General Requirements  
UL 61058-1-1 the standard for Switches for Appliances — Part 1-1: Requirements for mechanical switches  
Switches for Appliances - Part 1: Requirements for Mechanical Switches CAN/CSA-C22.2 No. 61058-1:17  
Switches for Appliances - Part 1-2: Requirements for Mechanical Switches CAN/CSA-C22.2 No. 61058-2:17

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component, Appliance Switches: R1 (Mechanical switch)

Model	Load	Amp	Volt	Hz	Temp °C	Pol/ Thr/ (Cir.)	Endurance		IP	DIS	SPCA	ed
							30C	55C				
R1 Series	RM	13(3)	250	50/60	120	1, 2/1, 2 (1.2, 1.2x2, 1.4, 1.4x2, 2.3, 2.3x2)	--	10K	20	Full	/	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 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	R1	Type Reference	C.T.
Ambient Temp. C	120	Glow Wire Temp. C	850
Total Cycles	10E3	PTI	250 (IIIa)
IP rating	20	Over Voltage Category	II
Electric shock Class	II	Impulse withstand Volt	2500
Pollution degree Macro	3	Disconnect	Full
Pollution degree Micro	3	Test Circuit	2.3
Actuation	Rotary		

Terminal	Type	Wire range	Flexible/ Rigid	Wire type	Prepared or Unprepared	Specific test amps
1, 2, 3, 4, A, B	Tab terminal 6.3 x 0.8 or 4.8 x 0.8	0.75 - 2.5mm <sup>2</sup>	Flexible	/	Prepared	/

## NOMENCLATURE:

R1	X	XX	X	X	XX	X
I	II	III	IV	V	VI	VII

I	Series: R1
II	Terminals: 1: Tab terminals 6.3x0.8 2: Tab terminals 4.8x0.8 X: Combination of above
III	Closing and opening contacts' sequence Any letters or numbers
IV	Rating 13(3)A 250Vac T120 1 or 3
V	Shaft Any letter or number (0: shaft not provided)
VI	Customization: Any letters or numbers
VII	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

## FIGURE &amp; ILLUSTRATIONS:

The following Figures & Illustrations are included in this Report.

Figure and Illustration Index		
Figure	1	R1 Series Overall View
Figure	2	R1 Series Exploded View

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.