

CERTIFICATE OF COMPLIANCE

Certificate Number E98133
Report Reference E98133-2021-03-03
Date 2021-November-24

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

This is to certify that representative samples of SWITCHES, APPLIANCE AND SPECIAL USE - COMPONENT
USR, CNR Component, Appliance Switches: LF2 – LF3 – LF4 (Mechanical switch)

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: Refer next page

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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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

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



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DESCRIPTION

PRODUCT COVERED:

*USR, CNR Component, Appliance Switches: LF2 - LF3 - **LF4** (Mechanical switch)

Model	Load	Amp	Volt	Hz	Temp C	Pol/ Thr/ (Cir.)	Endurance		IP	DIS	SPCA	ed
							30C	55C				
LF f/b 2, 3, 4	RM	8(3)	250	50/60	125	1,2/1,2 (1.2, 1.4, 2.3, 2.9)	--	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	LF2, LF3, LF4		
Ambient Temp. C	125	Type Reference	C.T.
Total Cycles	10E3	Glow Wire Temp. C	850
IP rating	20	PTI	250 (IIIa)
Electric shock Class	II	Over Voltage Category	II
Pollution degree Macro	2	Impulse withstand Volt	2500
Pollution degree Micro	2	Disconnect	Full
Actuation	Slider	Test Circuit	2.9

Terminal	Type	Wire range	Flexible/ Rigid	Wire type	Prepared or Unprepared	Specific test amps
1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Tab terminal 2.8 x0.8 or solder terminal or pin terminal	0.75- 1.5mm ²	Flexible	/	Prepared and/or unprepared	/

NOMENCLATURE:

LF	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII

I	Series: LF
II	Number of stable positions of slider: 2, 3, 4
III	Terminals: 1: Tab terminals 2,8x0.8 2: Solder terminals 4: Pin terminals
IV	Number and position of terminals: Any letters
V	Electrical rating
VI	Customization: Any letters or numbers
VII	None: Standard plastic material W or Y: GWIT 775 °C plastic material

FIGURE & ILLUSTRATIONS:

The following Figures are included in this Report.

Figure and Illustration Index	
Figure	1 LF Series Overall Views
Figure	2 LF Series Exploded Views