

CERTIFICATE OF COMPLIANCE

Certificate Number E98133
Report Reference E98133-20211129
Date 2021-December-08

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

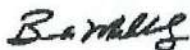
This is to certify that
representative samples of SWITCHES, APPLIANCE AND SPECIAL USE -
COMPONENT
See Addendum Page for Product Designation(s).

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 Switches for Appliances
CSA 22.2 No. 61058-1 Switches for Appliances
UL 61058-1-1 Switches for Appliances – Special requirement for Mechanical switches
CSA 22.2 No. 61058-1-1 Switches for Appliances – Special requirement for Mechanical switches

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

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CERTIFICATE OF COMPLIANCE

Certificate Number E98133
Report Reference E98133-20211129
Date 2021-December-08

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

Models:

Appliance Switches: B1, B10, B2, B4, B4MASK (Mechanical switch)



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Appliance Switches: B1, B10, B2, B4, B4MASK (Mechanical switch)

Model	Load	Amp	Volt	Hz	Temp °C	Pol/ Thr/ (Cir)	Endurance		IP	DIS	SPCA	ed
							30 C	55C				
B1	GP	16	125/250	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2, 3	2017
B1	GP	20	125	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2, 3	2017
B1	HP	3/4	250	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2, 3	2017
B1	HP	1/3	125	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2, 3	2017
B1	GP	10	250	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2, 3	2017
B1	HP	3/4	125	50	105/ 55	1 / 1,2 (1.2, 2.3, 3.3)		10K	40	Full	B,2	2017
B1	GP	10	125/250	50	105/ 55	1 / 2 (3.3)		10K	40	Full	B,2, 3	2017
B1	HP	1/2	250	50	105/ 55	1 / 2 (3.3)		10K	40	Full	B,2, 3	2017

B2	HP	1/2	250	50	105/ 55	1 / 2 (3.3)		10K	40	Full	B,2	2017
B4 (B4MA SK)	GP	16	125/250	50	105/ 55	1,2 / 1,2 (1.2, 2.3, 3.3, 1.3, 1.5, 2.5, 2.7, 3.5)		10K	40	Full	B,2, 3	2017
B4 (B4MA SK)	GP	20	125	50	105/ 55	1,2 / 1,2 (1.2, 2.3, 3.3, 1.3, 1.5, 2.5, 2.7, 3.5)		10K	40	Full	B,2, 3	2017
B4 (B4MA SK)	HP	3/4	250	50	105/ 55	1,2 / 1,2 (1.2, 2.3, 3.3, 1.3, 1.5, 2.5, 2.7, 3.5)		10K	40	Full	B,2, 3	2017
B4 (B4MA SK)	HP	1/3	125	50	105/ 55	1,2 / 1,2 (1.2, 2.3, 3.3, 1.3, 1.5, 2.5, 2.7, 3.5)		10K	40	Full	B,2, 3	2017
B4 (B4MA SK)	GP	10	250	50	105/ 55	1,2 / 1,2 (1.2, 2.3, 3.3, 1.3, 1.5, 2.5, 2.7, 3.5)		10K	40	Full	B,2, 3	2017

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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.

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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	B1-B10-B2-B4- (B4MASK)		
Ambient Temp. C	105/55	Type Reference	CT
Total Cycles	10000	Glow Wire Temp. C	850
IP rating	40	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	Rocker	Test Circuit	/

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 or 4.8x0.8 or solder terminals or screw terminals	0.75 - 2.5 mm ²	Flexible	/	Prepared and/or unprepared	/

NOMENCLATURE:

Bl	X	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI
I	Series: B1									
II	Shape/terminals: 1 Tab terminals 6.3x0.8 / Body and rocker standard A Tab terminals 4.8x0.8 / Body and rocker standard B Solder terminals / Body and rocker standard C Screw terminals / Body and rocker standard 3 Tab terminals 6.3x0.8 / Rocker with "led" lens G Tab terminals 4.8x0.8 / Rocker with "led" lens H Solder terminals / Rocker with "led" lens K Screw terminals / Rocker with "led" lens 4 Tab terminals 6.3x0.8 / Body with rounded edges L Tab terminals 4.8x0.8 / Body with rounded edges M Solder terminals / Body with rounded edges N Screw terminals / Body with rounded edges 5 Tab terminals 6.3x0.8 / Body with rounded edges, rocker with "led" lens P Tab terminals 4.8x0.8 / Body with rounded edges, rocker with "led" lens R Solder terminals / Body with rounded edges, rocker with "led" lens S Screw terminals / Body with rounded edges, rocker with "led" lens 6 Tab terminals 6.3x0.8 / Body without separators T Tab terminals 4.8x0.8 / Body without separators U Solder terminals / Body without separators 7 Tab terminals 6.3x0.8 / Body without separators, rocker with "led" lens W Tab terminals 4.8x0.8 / Body without separators, rocker with "led" lens Z Solder terminals / Body without separators, rocker with "led" lens 2 Tab terminals 6.3x0.8 / Rocker with glossy surface E Solder terminals / Rocker with glossy surface 8 Tab terminals 6.3x0.8 / Body without separators, rocker with glossy surface J Solder terminals / Body without separators, rocker with glossy surface X Combination of above									
III	Electrical scheme (Reference Table 2 of UL61058-1): 1 1.2 3 2.3 4 1.2 NO 5 3.3 6 1.2 with lamp B 2.3 with one position with momentary action C 3.3 with one position with momentary action D 3.3 with two positions with momentary action									
IV	Rating: 4 16AGP (or 10AGP) 125Vac, 10AGP 250Vac, 1/2HP 250Vac, 1/3HP 125Vac T105/55 B 10AGP 125/250Vac T105/55 C 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac T105/55 D 20AGP 125Vac, 1/3HP 125Vac T105/55 N 20AGP 125Vac, 16AGP 250Vac, 3/4HP 125-250Vac T105/55 (see SPCoA)									
V	Body color: Any letter or number									
VI	Rocker or lens color: Any letter or number									
VII	Rocker mark color: Any letter or number									
VIII	Rocker mark symbol: Any letter or number									
IX	"Led" lens color: Any letter or number, 0: No "led" lens									

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IX	Customization: Any letters or numbers
X	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

B10	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X

I	Series: B10
II	Shape/terminals: 1 Tab terminals 6.3x0.8 / Body and rocker standard A Tab terminals 4.8x0.8 / Body and rocker standard B Solder terminals / Body and rocker standard C Screw terminals / Body and rocker standard 6 Tab terminals 6.3x0.8 / Body without separators T Tab terminals 4.8x0.8 / Body without separators U Solder terminals / Body without separators 3 Tab terminals 6.3x0.8 / Two-tone rocker G Tab terminals 4.8x0.8 / Two-tone rocker H Solder terminals / Two-tone rocker K Screw terminals / Two-tone rocker X Combination of above
III	Electrical scheme (Reference Table 2 of UL61058-1): 1 1.2 3 2.3 4 1.2 NO 5 3.3 A 1.2 NC B 2.3 Momentary action
IV	Rating: C 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac T105/55
V	Body color: Any letter or number
VI	Rocker color: Any letter or number
VII	Rockers mark color: Any letter or number
VIII	Rocker mark symbol: Any letter or number
IX	Customization: Any letters or numbers
X	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

B2	X	X	X	X	X	X	X	X	X	X	X	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
I	Series: B2											
II	Shape/terminals: 1 Tab terminals 6.3x0.8 / Body and rocker standard A Tab terminals 4.8x0.8 / Body and rocker standard B Solder terminals / Body and rocker standard C Screw terminals / Body and rocker standard 3 Tab terminals 6.3x0.8 / Rocker with "led" lens G Tab terminals 4.8x0.8 / Rocker with "led" lens H Solder terminals / Rocker with "led lens" K Screw terminals / Rocker with "led" lens 4 Tab terminals 6.3x0.8 / Body with rounded edges L Tab terminals 4.8x0.8 / Body with rounded edges M Solder terminals / Body with rounded edges N Screw terminals / Body with rounded edges 5 Tab terminals 6.3x0.8 / Body with rounded edges, rocker with "led" lens P Tab terminals 4.8x0.8 / Body with rounded edges, rocker with "led" lens R Solder terminals / Body with rounded edges, rocker with "led" lens S Screw terminals / Body with rounded edges, rocker with "led" lens 6 Tab terminals 6.3x0.8 / Body without separators T Tab terminals 4.8x0.8 / Body without separators U Solder terminals / Body without separators 7 Tab terminals 6.3x0.8 / Body without separators, rocker with "led" lens W Tab terminals 4.8x0.8 / Body without separators, rocker with "led" lens Z Solder terminals / Body without separators, rocker with "led" lens 2 Tab terminals 6.3x0.8 / Rocker with glossy surface E Solder terminals / Rocker with glossy surface 8 Tab terminals 6.3x0.8 / Body without separators, rocker with glossy surface J Solder terminals / Body without separators, rocker with glossy surface X Combination of above											
III	Electrical scheme (Reference Table 2 of UL61058-1): 1 1.2 x 2 3 2.3 x 2 4 1.2 NO x 2 5 3.3 x 2 6 1.2 with lamp x 2 B 2.3 Momentary action x 2 D 1.2 + 1.2 NO E 1.2 + 2.3 F 1.2 + 1.2 with lamp G 1.2 x 2 with connection between poles H 2.3 + signal lamp K 1.2 + 3.3 L 1.2 with lamp + 3.3 M 3.3 + signal lamp N 1.2 NO + signal lamp R 1.2 + signal lamp U 1.2 with lamp + 2.3 W 1.2 with lamp + signal lamp X Other electrical scheme combinations											

IV	Rating: 4 16AGP (or 10AGP) 125Vac, 10AGP 250Vac, 1/2HP 250Vac, 1/3HP 125Vac T105/55 B 10AGP 125/250Vac T105/55 C 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac T105/55 D 20AGP 125Vac, 1/3HP 125Vac T105/55 N 20AGP 125Vac, 16AGP 250Vac, 3/4HP 125-250Vac T105/55 (see SPCoA)
V	Body color: Any letter or number
VI	First rocker or lens color: Any letter or number
VII	Second rocker or lens color: Any letter or number
VIII	Rockers mark color: Any letter or number
IX	First rocker mark symbol: Any letter or number
X	Second rocker mark symbol: Any letter or number
XI	"Led" lens color: Any letter or number, 0: No "led" lens
IX	Customization: Any letters or numbers
X	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

B4	X	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X	XI

I	Series: B4
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II	Shape/terminals: 1 Tab terminals 6.3x0.8 / Body and rocker standard A Tab terminals 4.8x0.8 / Body and rocker standard B Solder terminals / Body and rocker standard C Screw terminals / Body and rocker standard 3 Tab terminals 6.3x0.8 / Rocker with "led" lens G Tab terminals 4.8x0.8 / Rocker with "led" lens H Solder terminals / Rocker with "led lens" K Screw terminals / Rocker with "led" lens 4 Tab terminals 6.3x0.8 / Body with rounded edges L Tab terminals 4.8x0.8 / Body with rounded edges M Solder terminals / Body with rounded edges N Screw terminals / Body with rounded edges 5 Tab terminals 6.3x0.8 / Body with rounded edges, rocker with "led" lens P Tab terminals 4.8x0.8 / Body with rounded edges, rocker with "led" lens R Solder terminals / Body with rounded edges, rocker with "led" lens S Screw terminals / Body with rounded edges, rocker with "led" lens 6 Tab terminals 6.3x0.8 / Body without separators T Tab terminals 4.8x0.8 / Body without separators U Solder terminals / Body without separators 7 Tab terminals 6.3x0.8 / Body without separators, rocker with "led" lens W Tab terminals 4.8x0.8 / Body without separators, rocker with "led" lens Z Solder terminals / Body without separators, rocker with "led" lens 2 Tab terminals 6.3x0.8 / Rocker with glossy surface E Solder terminals / Rocker with glossy surface 8 Tab terminals 6.3x0.8 / Body without separators, rocker with glossy surface J Solder terminals / Body without separators, rocker with glossy surface X Combination of above
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III	Electrical scheme (Reference Table 2 of UL61058-1): 1 1.2 2 1.3 or 1.5 3 2.3 4 1.2 NO 5 3.3 7 1.3 NO or 1.5 NO 8 1.3 with lamp or 1.5 with lamp 9 3.5 B 2.3 momentary action C 3.3 with one position with momentary action D 3.3 with two positions with momentary action E 3.5 with one position with momentary action J 3.5 with two positions with momentary action L 2.5 or 2.7 M 2.5 or 2.7 with one position with momentary action N 1.2 (1 st pole) + 2.3 (2 nd pole) S 1.2 (1 st pole) + 2.3 (2 nd pole) with lamp T 1.3 or 1.5 with lamp with independent circuit V 2.5 or 2.7 with lamp W 1.2 with lamp X Other electrical scheme combination
IV	Rating: 4 16AGP (or 10AGP) 125Vac, 10AGP 250Vac, 1/2HP 250Vac, 1/3HP 125Vac T105/55 B 10AGP 125/250Vac T105/55 C 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac T105/55 D 20AGP 125Vac, 1/3HP 125Vac T105/55 N 20AGP 125Vac, 16AGP 250vac, 3/4HP 125-250Vac T 105/55 (see SPCoA) E 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac (3/4HP 125Vac - see SPCoA) T 105/55 R 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac S 25AGP 125Vac, 20(10)A 250Vac, 3/4HP 125-250Vac
V	Body color: Any letter or number
VI	Rocker or lens color: Any letter or number
VII	Rocker mark color: Any letter or number
VIII	Rocker mark symbol: Any letter or number
IX	"Led" lens color: Any letter or number, 0: No "led" lens
X	Customization: Any letters or numbers
XI	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

B4MASK	X	X	X	X	X	X	X	XXX	X
I	II	III	IV	V	VI	VII	VIII	IX	X

I	Series: B4MASK
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II	Shape/terminals: 1 Tab terminals 6.3x0.8 / Body standard and gloss lens A Tab terminals 4.8x0.8 / Body standard and gloss lens B Solder terminals / Body standard and gloss lens 3 Tab terminals 6.3x0.8 / Body standard and mat lens G Tab terminals 4.8x0.8 / Body standard and mat lens H Solder terminals / Body standard and mat lens 4 Tab terminals 6.3x0.8 / Polarized body and gloss lens L Tab terminals 4.8x0.8 / Polarized body and gloss lens M Solder terminals / Polarized body and gloss lens 5 Tab terminals 6.3x0.8 / Polarized body and mat lens P Tab terminals 4.8x0.8 / Polarized body and mat lens R Solder terminals / Body Polarized body and mat lens X Combination of above
III	Electrical scheme (Reference Table 2 of UL61058-1): 1 1.2 2 1.3 or 1.5 3 2.3 5 3.3 8 1.3 with lamp or 1.5 with lamp 9 3.5 L 2.5 or 2.7 N 1.2 (1 st pole) + 2.3 (2 nd pole) S 1.2 (1 st pole) + 2.3 (2 nd pole) with lamp V 2.5 or 2.7 with lamp W 1.2 with lamp X Other electrical scheme combination
IV	Rating: 4 16AGP (or 10AGP) 125Vac, 10AGP 250Vac, 1/2HP 250Vac, 1/3HP 125Vac T105/55 B 10AGP 125/250Vac T105/55 C 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac T105/55 D 20AGP 125Vac, 1/3HP 125Vac T105/55 N 20AGP 125Vac, 16AGP 250Vac, 3/4HP 125-250Vac T 105/55 (see SPCoA) E 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac (3/4HP 125Vac - see SPCoA) T 105/55 R 20AGP 125Vac, 16AGP 250Vac, 3/4HP 250Vac, 1/3HP 125Vac S 25AGP 125Vac, 20(10)A 250Vac, 3/4HP 125-250Vac
V	Rubber color: Any letter or number
VI	Lens color: Any letter or number
VII	Lens mark color: Any letter or number
VIII	Lens mark symbol: Any letter or number
IX	Customization: Any letters or numbers
X	None or Z: Standard plastic material W or Y: GWIT 775 °C plastic material

FIGURE & ILLUSTRATIONS:

The following Figures & Illustrations are included in this Report.

Figure and Illustration Index

Ill. 1	Examples of B1 series
Ill. 2	Identification of components of B1 series
Ill. 3	Examples of B10 series
Ill. 4	Identification of components of B10 series
Ill. 5	Examples of B2 series
Ill. 6	Identification of components of B2 series
Ill. 7	Examples of B4 series
Ill. 8	Identification of components of B4 series
Ill. 9	Examples of B4MASK series
Ill. 10	Identification of components of B4MASK series

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:

Specific Conditions of Acceptability should be identified in page 1 column SPCA. Below are the conditions that apply to this description, items 1 to 8 or unique conditions are identified by a alphabetical letter.

- A. The electronic switch endurance testing under abnormal conditions of the Solid State Device shorted or disconnected was not evaluated in the recognition. The end use application should consider wither a limited number of operations under these conditions is required.
- B. IP40 - for accessible parts and enclosure of the end product enclosure when mounted or installed according to the manufacturer directions. Internal parts were not evaluated for IP ratings and must be considered in the end product.
- C. The tests were conducted with wire size 12AWG stranded only.
2. These may be lighted switches employing a lamp. The lamp life should be evaluated when required by the end-use product Standard.
3. The switch may has openings in the housing adjacent to arcing zone. The end-use application may involve environments (such as excessive dust or adjacent combustible material) that should exclude an opening in the switch housing.
11. Switch with rating code S are only double poles single through (scheme 1.3) with body completely enclosed on lateral sides (except for rocker connection) and tab terminals 6.3x0.8