

CERTIFICATE OF COMPLIANCE

Certificate Number E98133
Report Reference E98133-20191104
Date 2021-March-29

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 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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Certificate Number E98133
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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

Models:

USR, CNR Component, Appliance Switches:

81 series with prefix SX f/b 2 digits f/b 1, 3, 4, 5, 6, A, B, Z f/b 8, B, C f/b 8 digits, may be f/b W or Y or Z

82 Series with prefix SX f/b 2 digits f/b 1, 2, 3, 4, 5, 6, 7, 8, A, B, L, M, N, P, S, V, W f/b 8, B, C f/b 8 digits may be f/b W or Y or Z

83 Serie with prefix SX f/b 2 digits f/b 1, 3, 4, 6, B, D, E, F, G, H, K, L, N, R, U, W, X f/b 8, B, C or X f/b 9 digits may be f/b W or Y or Z

A3 Series with prefix SX f/b 1 digit f/b 1, 3 f/b 8 f/b 8 digits may be f/b W or Y or Z

A4 Series with prefix SX f/b 1 digit f/b 1, 2, 3, 4, 6, 7, 8, B, L, M, N, P, S, V f/b 8 or B f/b 9 digits may be f/b W or Y or Z
SX82212XXX0000C6, SX82217XXX0000C6



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Appliance Switches:

81 series with prefix SX f/b 2 digits f/b 1, 3, 4, 5, 6, A, B, Z f/b 8, B, C f/b 8 digits, may be f/b W or Y **or Z**

82 Series with prefix SX f/b 2 digits f/b 1, 2, 3, 4, 5, 6, 7, 8, A, B, L, M, N, P, S, V, W f/b 8, B, C f/b 8 digits may be f/b W or Y **or Z**

83 Serie with prefix SX f/b 2 digits f/b 1, 3, 4, 6, B, D, E, F, G, H, K, L, N, R, U, W, X f/b 8, B, C or X f/b 9 digits may be f/b W or Y **or Z**

A3 Series with prefix SX f/b 1 digit f/b 1, 3 f/b 8 f/b 8 digits may be f/b W or Y **or Z**

A4 Series with prefix SX f/b 1 digit f/b 1, 2, 3, 4, 6, 7, 8, B, L, M, N, P, S, V f/b 8 or B f/b 9 digits may be f/b W or Y **or Z**

SX82212XXX0000C6, SX82217XXX0000C6

| Model | Load | Amp | Volt | Hz | Temp C | Pol/ Thr/ (Cir) | Endurance | | IP | DIS | SPCA | ed |
|-------|------|-----|---------|----|-----------|--|-----------|-----|----|------|------|------|
| | | | | | | | 30C | 55C | | | | |
| 81 | GP | 20 | 125 | 50 | 105/55 | 1/ 1,2 (1.2, 2.3, 3.3) | - | 10K | 40 | Full | -- | 2009 |
| 81 | GP | 16 | 250 | 50 | 105/55 | 1/ 1,2 (1.2, 2.3, 3.3) | -- | 10K | 40 | Full | -- | 2009 |
| 81 | HP | 3/4 | 125/250 | 50 | 105/55 | 1/ 1,2 (1.2, 2.3, 3.3) | 6K | 10K | 40 | Full | -- | 2009 |
| 82 | GP | 20 | 125 | 50 | 105/55 | 1,2/ 1,2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7) | -- | 10K | 40 | Full | -- | 2009 |

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| | | | | | | | | | | | | |
|----|----|-----|---------|----|--------|---|----|-----|----|------|----|------|
| 82 | GP | 16 | 250 | 50 | 105/55 | 1, 2/ 1, 2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7) | -- | 10K | 40 | Full | -- | 2009 |
| 82 | HP | 3/4 | 125/250 | 50 | 105/55 | 1, 2/ 1, 2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7) | 6K | 10K | 40 | Full | -- | 2009 |
| 83 | GP | 20 | 125 | 50 | 105/55 | 1/ 1, 2 (1.2, 2.3, 3.3) | -- | 10K | 40 | Full | -- | 2009 |
| 83 | GP | 16 | 250 | 50 | 105/55 | 1/ 1, 2 (1.2, 2.3, 3.3) | -- | 10K | 40 | Full | -- | 2009 |
| 83 | HP | 3/4 | 125/250 | 50 | 105/55 | 1/ 1, 2 (1.2, 2.3, 3.3) | 6K | 10K | 40 | Full | -- | 2009 |
| 82 | HP | 3/4 | 125/250 | 50 | 100 | 2/1 | 6K | 10K | 00 | Full | -- | 2009 |
| A3 | GP | 16 | 125/250 | 50 | 105/55 | 1/ 1, 2 (1.2, 2.3) | | 10K | 40 | Full | -- | 2009 |
| A3 | HP | 3/4 | 125/250 | 50 | 105/55 | 1/ 1, 2 (1.2, 2.3) | 6K | 10K | 40 | Full | -- | 2009 |
| A4 | GP | 16 | 125/250 | 50 | 105/55 | 1, 2/ 1, 2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7) | -- | 10K | 40 | Full | -- | 2009 |
| A4 | HP | 3/4 | 125/250 | 50 | 105/55 | 1, 2/ 1, 2 (1.2, 1.3, 1.5, 2.3, 2.5, 2.7) | 6K | 10K | 40 | Full | -- | 2009 |

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 to 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 | 82 | Type Reference | CT |
| Ambient Temp. C | 105/55 | Glow Wire Temp. C | 850 |
| Total Cycles | 10000 | PTI | 250 IIIa |
| IP rating | 40 | Over Voltage Category | II |
| Electric shock Class | II | Impulse withstand Volt | 2500 |
| Pollution degree Macro | 3 | Disconnect | Full |
| Pollution degree Micro | 3 | Test Circuit | 2.7 |
| Actuation | Rocker | | |

| 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 and/or Tab terminal 4.8x0.8 and or screw terminal | 0.5-2.5 mm ² | Flexible | / | Prepared and/or unprepared | / |

NOMENCLATURE:

| | | | | | | | | | | | | |
|----|----|-----|----|---|----|-----|------|----|---|----|-----|------|
| SX | 81 | X | X | X | X | X | X | X | X | X | XXX | X |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII | XIII |

| | |
|------|--|
| I | Prefix: SX |
| II | Basic designation: 81 |
| III | Any letter or number - External shape of body and rocker |
| IV | Type of terminals: 1 Tab terminal 6.3x0.8 2 Tab terminal 4.8X0.8 4 Screw terminal X Combination of above |
| V | 1, 3, 5, 6, Z, 4, A, B - Electrical scheme |
| VI | Electrical rating - 8 - for scheme 1, 3, 4, A, B, 6, Z 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - 8 - for scheme 5 16AGP 125/250Vac T105/55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 6, Z 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 Electrical rating - C - for scheme 6, Z 20AGP 125Vac T105/55 3/4HP 125Vac T105/55 |
| VII | Any letter or number - Body color |
| VIII | Any letter or number - Rocker color |
| IX | Any letter or number - Rocker mark color |
| X | Any letter or number - Rocker mark symbol |
| XI | Any letter or number - Lens color |
| XII | Customization |
| XIII | None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material |

| | | | | | | | | | | | | |
|----|----|-----|----|---|----|-----|------|----|---|----|-----|------|
| SX | 82 | X | X | X | X | X | X | X | X | X | XXX | X |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII | XIII |

| | |
|------|---|
| I | Prefix: SX |
| II | Basic designation: 82 |
| III | Any letter or number - External shape of body and rocker |
| IV | Type of terminals: 1 Tab terminal 6.3x0.8 2 Tab terminal 4.8X0.8 4 Screw terminal 5, A, 6, X Combination of above |
| V | 1, 2, 3, 4, 6, 7, 8, A, B, L, M, N, P, S, V, W - Electrical scheme |
| VI | Electrical rating - 8 - for scheme 1, 2, 3, 4, 6, 7, 8, A, B, L, M, N, P, S, V, W 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 6, 8, P, T, V, W 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 Electrical rating - C - for scheme 6, 8 20AGP 125Vac T105/55 3/4HP 125Vac T105/55 Electrical rating for code SX82212XXX0000C6 and code SX82217XXX0000C6 3/4HP 125/250Vac T100 |
| VII | Any letter or number - Body color |
| VIII | Any letter or number - Rocker color |
| IX | Any letter or number - Rocker mark color |
| X | Any letter or number - Rocker mark symbol |
| XI | Any letter or number - Lens color |
| XII | Customization |
| XIII | None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material |

| | | | | | | | | | | | |
|----|----|-----|----|---|----|-----|------|----|---|----|-----|
| SX | 83 | X | X | X | X | XX | X | XX | X | XX | X |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |

| | |
|------|--|
| I | Prefix: SX |
| II | Basic designation: 83 |
| III | 1, 3, F, K, X, P, Q - External shape of body and rocker / Terminal type |
| IV | 1, 3, 4, 6, B, D, E, F, G, H, K, L, N, R, U, W, X - Electrical scheme |
| V | <p>Electrical rating - 8 - for scheme 1, 3, 4, 6, B, D, E, H, F, N, U, R, W 20AGP 125Vac T105/55 16AGP 250Vac T105-55 3/4HP 125/250Vac T105/55</p> <p>Electrical rating - 8 - for scheme K, L 16AGP 125/250Vac T105/55 3/4HP 125/250Vac T105/55</p> <p>Electrical rating - B - for scheme 6, F 16AGP 250Vac T105/55 3/4HP 250Vac T105/55</p> <p>Electrical rating - C - for scheme 6, F 20AGP 125Vac T105/55 3/4HP 125Vac T105/55</p> |
| VI | Any letter or number - Body color |
| VII | Any letter or number - Rockers colors |
| VIII | Any letter or number - Rocker mark color |
| IX | Any letter or number - Rockers mark symbols |
| X | Any letter or number - Lens color |
| XI | Customization |
| XII | <p>None: Standard plastic material</p> <p>W or Y or Z: GWIT 775 °C plastic material</p> |

| | | | | | | | | | | |
|----|----|-----|----|---|----|-----|------|----|----|----|
| SX | A3 | X | X | X | X | XX | X | XX | XX | X |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI |

| | |
|------|--|
| I | Prefix: SX |
| II | Basic designation: A3 |
| III | Type of terminals: 1 Tab terminal 6.3x0.8 A Tab terminal 4.8X0.8 X Combination of above |
| IV | 1, 3 - Electrical scheme |
| V | Electrical rating - 8 - 16AGP 125/250Vac T105/55 3/4HP 125/250Vac T105/55 |
| VI | Any letter or number - Frame color |
| VII | Any letter or number - Rockers colors |
| VIII | Any letter or number - Rockers mark color |
| IX | Any letter or number - Rockers mark symbols |
| X | Customization |
| XI | None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material |

| | | | | | | | | | | | |
|----|----|-----|----|---|----|-----|------|----|---|----|-----|
| SX | A4 | X | X | X | X | XX | X | XX | X | XX | X |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |

| | |
|------|--|
| I | Prefix: SX |
| II | Basic designation: A4 |
| III | Type of terminals / body shape: 1, 4, 3, 5 Tab terminal 6.3x0.8 A, L, G, P Tab terminal 4.8X0.8 C, N, K, S Screw terminal X Combination of above |
| IV | 1, 2, 3, 4, 7, 6, 8, B, L, M, N, P, S, V - Electrical scheme |
| V | Electrical rating - 8 - for all electrical schemes 16AGP 125/250Vac T105-55 3/4HP 125/250Vac T105/55 Electrical rating - B - for scheme 8 16AGP 250Vac T105/55 3/4HP 250Vac T105/55 |
| VI | Any letter or number - Frame color |
| VII | Any letter or number - Rockers colors |
| VIII | Any letter or number - Rockers mark color |
| IX | Any letter or number - Rockers mark symbols |
| X | Lens color |
| XI | Customization |
| XII | None: Standard plastic material W or Y or Z: GWIT 775 °C plastic material |