

Certificate of Conformity

Number: C211-0015/17 **Project file:** C20171526

Product: Control Switches and Indicator Lights

Type reference: SERIJA 101

Trademark: ELTEN

Applicant: ELTEN d.o.o.
Gasilska pot 3, SI-1230 Domžale, Slovenia

Manufacturer: ELTEN d.o.o.
Gasilska pot 3, SI-1230 Domžale, Slovenia

Place of manufacture: ELTEN d.o.o.
Gasilska pot 3, SI-1230 Domžale, Slovenia

This certificate is granted subject to the SIQ's rules on product certification. SIQ certifies the conformity of the products with the requirements of the listed standards.

Ratings: See pages 2 and 3

Standard: EN 60947-5-1:2004 + A1:2009

Test report: T211-0383/17

Remarks: This certificate shall apply to the products identical to the tested sample and shall remain valid for the period of 3 years until 2020-06-15 or until the validity date of the listed standards, whichever occurs earlier.

Date: 2017-06-15

Authorized signature:

Alja Pregl



Only integral publication of this certificate is allowed. This certificate may only be reproduced in its entirety and without any changes. On request SIQ will give information about the validity of the certificate.

Certificate of Conformity

Number: C211-0015/17

Following types are included in this certificate:

1. Control Switches

1.1 Contact Blocks:

- Contact element with double gap:
- EC/NO,
- EC/NO-PP,
- EC/ NC

1.2 Actuating means:

- Push-button: type ER, ERR
- Push-button "Push-Push": ER/PP
- Dual push-button: type EPD/0-1, EPDR/0-1
- Dual push-button with arrow indicator (+ stop button): type EPD/F, EPD/FS
- Mushroom button: type EF/30, EF/40,
- Mushroom-head button wobble: type EFBA
- Mushroom-head button with key reset: type EFC
- Mushroom latched button: type EFB/30, EFB/40, EFB/60
- Mushroom-head button with lock after interlock in end position EFBC
- Mushroom-head button "push-push": type EFB/PP
- Illuminated push-button: type ERL
- Illuminated push-button "push-push": type ERL/PP
- Illuminated dual push-button: type EPDL/0-1, EPDLR/0-1
- Illuminated dual push-button with arrow indicator: type EPDL/F
- Illuminated mushroom button: type EFL
- Illuminated latched push-button: type EFBL
- Illuminated latched push-button "push-push": type EFBL-PP
- Rotary selector switch: type ES
- Rotary selector key switch: type ESC
- Illuminated rotary selector switch: type ESL

Date: 2017-06-15

Authorized signature:

Alja Pregl



Certificate of Conformity

Number: C211-0015/17

1.3 Technical data:

Utilization category: AC 15 Contact elements: NC, NO

Rated operational current: 4,5 A

Conventional enclosed thermal current I_{the} : 12 A

Rated frequency: 50/60 Hz

Rated operational voltage: 230 V ac

Rated insulation voltage U_i^* : 660/440/250 V

* U_i : - control switch: $U_i=660V$

- combination; switch – signal lamp: $U_i=250 V$

- combination; switch – switch: $U_i=440 V$

Kind of external protective device: 10 A fuse gL-gG

Electrical durability: 100 000 cycles

Mechanical durability:

- 3 000 000 cycles: type ER, ERL, EFL, EFBA

- 500 000 cycles: type EFB, EFBL

- 100 000 cycles: type ES, ESC

- 30 000 cycles: type ESL

Degree of mechanical protection IP 40:

Type: EPD, EPDR

Degree of mechanical protection IP65

Type: ER, ERR, ERL, EF, EFL, EFB, EFBC, EFC, EFBA, EFBL, ES, ESL, ESC, EM, EMB (joystick)

Degree of mechanical protection IP67:

Type: ER with protection cap ERPR,
EPD with protection cap ERPD,

EPDR with protection cap ERPDR

ERL with protection cap ERPL,

EF Φ 40, EFL Φ 40, EFBL Φ 40, EFB, EFBC with protection cap ERPF

2. Signal lamps

Pilot light: type EL, ELE

Bulb BA9s: max 2 W

Rated voltage: max. 60 V

Transformer: 230/6 V 50/60 Hz, lamp: 0,6 – 2 W

Degree of mechanical protection: IP 65 and IP67

Date: 2017-06-15

Authorized signature:

Alja Pregl