



Potvrda br.  
Certificate No.

03-001905/031600

## POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.  
This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TIP I OPIS PROIZVODA:  
TYPE AND DESCRIPTION OF PRODUCT:

**GREBENASTE SKLOPKE**  
**ROTARY CAM SWITCHES**

**GN12, GN20, GN25, GN32, GN40, GN63, GN125, GF20**

PROIZVOĐAČ:  
MANUFACTURER:

**LOVATO KONČAR d.o.o.**  
Borongajska cesta 81 b  
10000 Zagreb  
**HRVATSKA - CROATIA**

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:  
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova: **PRAVILA ZA KLASIFIKACIJU BRODOVA, ELEKTRIČNA OPREMA, DIO 12**  
Croatian Register of Shipping: **RULES FOR THE CLASSIFICATION OF SHIPS, ELECTRICAL EQUIPMENT, PART 12**  
**IEC 60947-3:2008+AMD1:2012+AMD2:2015**

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.  
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2026-07-05  
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2022-07-06  
Place and date:



Marinko Popović, dipl.ing.

**NAPOMENA:** Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.  
*NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.*

**PODROBNIJI OPIS PROIZVODA:**  
*DETAILED PRODUCT DESCRIPTION:*

**Grebenaste sklopke GN i GF serije sljedećih oblika ugradnje:**  
*Rotary cam switches series GN and GF with following mounting forms:*

- U - Ugradna sklopka / Front mounting**
- O - Sklopka za odvojenu ugradnju / Rear mounting**
- P - Sklopka u plastičnom kucištu / Switch in plastic case**

**PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:**  
*APPLICATION / LIMITATIONS:*

**Za sklapanje u glavnim i pomoćnim strujnim krugovima.**  
*For switching in main as well as in auxiliary circuits.*

**DOKUMENTACIJA ZA TIPNO ODOBRENJE:**  
*TYPE APPROVAL DOCUMENTATION:*

**Nacrti / Drawings:**

GN12-U, 602321, B94010;	GN32-U, 612220, B87010;	GN12-P (65x65), 602324;
GN12-O, 602322, B94310;	GN32-O, 612221, B87310;	GN12-P (75x75), B93260;
GF20-U, B90000, B89010;	GN40-U, 602704 rev. A;	GN20-P (90x90), 600235;
GF20-O, B90001, B89310;	GN40-O, 602705 rev. A;	GN20, 25-P (75x75), 601579;
GN20-U, 611955, B85010;	GN63-U, 600603, B88010;	GN25-P (90x90), 600234;
GN20-O, 611961, B85310;	GN63-O, 612310, B88310;	GN32-P (90x90), 612222;
GN25-U, 612420, B86010;	GN125-U, B90324 rev. A;	GN20, 25, 32, 63-P (125x175), 600605 list 1, 2
GN25-O, 612523, B86310;	GN125-O, B90325;	

**Izveštaji o ispitivanju / Test reports:**

**KONČAR-INSTITUT ZA ELEKTROTEHNIKU izveštaji br. / KONČAR-INSTITUT ZA ELEKTROTEHNIKU test reports no.:**

LA 1189, 21535-91/5607, LA 1351, LA 1352, V-011091, U-011091, 21561-91/018, 21560016, LA 1096, LA 1102, LA 1083, 014/89, 005293, 21534-91/1386, LA 1263, 005593, 21534-93/1385, 5592, LA 1338, 21534/1496.

**CSA izveštaj br. 1109699 datiran 2015-10-13 / CSA report no. 1109699 dated 2015-10-13**

**DEKRA izveštaj o ispitivanju br. 2214534.50 datiran 2018-01-24 / DEKRA test report no. 2214534.50 dated 2018-01-24**

**OZNAČAVANJE PROIZVODA:**  
*MARKING OF PRODUCT:*

**U skladu s IEC 60947-3.**  
*In accordance with IEC 60947-3.*

**UVJETI ZA CERTIFIKACIJU:**  
*CONDITIONS FOR CERTIFICATION:*

**Ne/ No**

