



**POTVRDA O TIPNOM ODOBRENJU**  
**TYPE APPROVAL CERTIFICATE**

Br /No 03-001645/031365

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.  
 This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

**TIP I OPIS PROIZVODA:**  
 TYPE AND DESCRIPTION OF PRODUCT:

**GREBENASTE SKLOPKE SLIJEDEĆIH OBLIKA UGRADNJE:**  
**ROTARY CAM SWITCHES WITH FOLLOWING MOUNTING FORMS:**

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

**PROIZVODAČ:**  
 MANUFACTURER:

**KONČAR – Niskonaponske sklopke i prekidači 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, IEC 60947-3:2008/AMD1:2012, IEC 60947-3:2008/AMD2:2015**  
**IEC 60204**

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

**ODOBRENJE VRIJEDI DO:** 2022-07-05  
 APPROVAL IS VALID UNTIL:

**Mjesto i datum:** Split, 2018-07-05  
 Place and date:



*M. 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:*

**Oblik ugradnje**  
*Mounting form*

**Ugradna sklopka**  
*Front mounting*

U

**Sklopka za odvojenu ugradnju**  
*Rear mounting*

O

**Sklopka u plastičnom kucištu**  
*Switch in plastic case*

P

**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:*

GN12-U, 602321, B94010;  
 GF20-O, B90001, B89310;  
 GN25-U, 612420, B86010;  
 GN32-O, 612221, B87310;  
 GN12-P(65x65), 602324;  
 GN20-P(90x90), 600235;  
 GN40-U, 602704 rev.A;  
 GN125-O, B90325;

GN12-O, 602322, B94310;  
 GN20-U, 611955, B85010;  
 GN25-O, 612523, B86310;  
 GN63-U, 600603, B88010;  
 GN12-P(75x75), B93260;  
 GN25-P(90x90), 600234;  
 GN40-O, 602705 rev.A;  
 GN20,25,32,63-P(125x175),  
 600605 list 1, 600605 list 2

GF20-U, B90000, B89010;  
 GN20-O, 611961, B85310;  
 GN32-U, 612220, B87010;  
 GN63-O, 612310, B88310;  
 GN20,25-P(75x75), 601579;  
 GN32-P(90x90), 612222;  
 GN125-U, B90324 rev.A;

**Odobrenje se temelji na slijedećim izvještajima o ispitivanju:**  
*Approval is based on the following test reports:*

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.

**DEKRA certifikat Br. NL-49675 datiran 2018-01-30 / DEKRA certificate No. NL-49675 dated 2018-01-30**

**CSA izvještaj Br. 1109699 datiran 2015-10-13 / CSA report No. 1109699 dated 2015-10-13**

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

**Prema katalogu proizvođača.**  
*According to maker's catalog.*



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

**Ne/ No**