

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

| Manufacturer | LOVATO KONČAR d.o.o. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|-------|----------------------|-------|--------|-------|----------|-------------|----|----|-----|----------|-------------|----|----|-----|----------|-------------|----|----|-----|----------|-------------|----|----|-----|----------|-------------|----|----|-----|------|-------------|----|----|-----|
| Address | Borongajska cesta 81b, 10000 Zagreb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Place of Production | LOVATO KONČAR d.o.o. Borongajska cesta 81b, 10000 Zagreb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Switches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Description | GN12, GN20, GN25, GN32, GN40, GN63 (without enclosure) GN12P, GN20P, GN25P, GN32P, GN40P (with enclosure) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trade Name | Rotary CAM Switches, with or without enclosure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application | For marine, offshore and industrial use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Test Specification No.1 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specified Standard | IEC 60947-1:2007 incl. amd 2:2014 IEC 60947-3:2008 incl. amd 2:2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ratings | <table><thead><tr><th>Model</th><th>Utilization Category</th><th>Ie(A)</th><th>Ith(A)</th><th>Ui(V)</th></tr></thead><tbody><tr><td>GN12/12P</td><td>AC1 / AC21A</td><td>16</td><td>16</td><td>690</td></tr><tr><td>GN20/20P</td><td>AC1 / AC21A</td><td>20</td><td>20</td><td>690</td></tr><tr><td>GN25/25P</td><td>AC1 / AC21A</td><td>25</td><td>25</td><td>690</td></tr><tr><td>GN32/32P</td><td>AC1 / AC21A</td><td>32</td><td>32</td><td>690</td></tr><tr><td>GN40/40P</td><td>AC1 / AC21A</td><td>40</td><td>40</td><td>690</td></tr><tr><td>GN63</td><td>AC1 / AC21A</td><td>63</td><td>63</td><td>690</td></tr></tbody></table> | Model | Utilization Category | Ie(A) | Ith(A) | Ui(V) | GN12/12P | AC1 / AC21A | 16 | 16 | 690 | GN20/20P | AC1 / AC21A | 20 | 20 | 690 | GN25/25P | AC1 / AC21A | 25 | 25 | 690 | GN32/32P | AC1 / AC21A | 32 | 32 | 690 | GN40/40P | AC1 / AC21A | 40 | 40 | 690 | GN63 | AC1 / AC21A | 63 | 63 | 690 |
| Model | Utilization Category | Ie(A) | Ith(A) | Ui(V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN12/12P | AC1 / AC21A | 16 | 16 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN20/20P | AC1 / AC21A | 20 | 20 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN25/25P | AC1 / AC21A | 25 | 25 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN32/32P | AC1 / AC21A | 32 | 32 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN40/40P | AC1 / AC21A | 40 | 40 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GN63 | AC1 / AC21A | 63 | 63 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2044237TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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