

## Data sheet:

### Load break switch DC Model TFV DC21B 25A 600V 1+1



Picture is an examples

### Standards: IEC 60947-1 & 3 Quality

ISO 9001:2015



### Testing as per IEC 60947-3. Approvals

Austrian Institute of  
Technology



### Electrical data (according to IEC 60947-3)

|   |            |
|---|------------|
| <b>Thermal current I<sub>th</sub></b>                 | <b>50A</b> |
| Rated insulation voltage U <sub>i</sub> (V)           | 1500       |
| Rated impulse withstand voltage U <sub>imp</sub> (kV) | 6          |

### DC Rated operational current I<sub>e</sub> (A)

| Voltage (DC) | Category of operation | I <sub>e</sub> |
|--------------|-----------------------|----------------|
| 600 V        | DC21B                 | 25             |

\*\* Please consult for other voltages and/or category of operation

### Short-circuit behaviour

|   |       |
|---|-------|
| Short-circuit making capacity (peak value) I <sub>cm</sub>    | 300A  |
| Short-time withstand current (1 sec) (rms) I <sub>cw</sub>    | 300A  |
| Short-time withstand current (1 hour) (I <sub>th</sub> *1.25) | 62.5A |
| Conditional short-circuit current (rms value)                 | N/A   |

### Connection capacity

|  |       |
|--|-------|
| Stranded or Flex cable -w/o Sleeve (mm <sup>2</sup> )  | 2x6   |
| Stranded or Flex cable -with Sleeve (mm <sup>2</sup> ) | 2x4   |
| Crimp fork lug width (mm) Min 6 - Max                  | 10    |
| Crimp fork lug Thick (mm) Min 0.5 - Max                | 2     |
| Fork lug (mm <sup>2</sup> ) Type: ANE2U4               | 10    |
| Fork lug (mm <sup>2</sup> ) Type: ANE3U4               | 16    |
| Tightening torque (Nm)                                 | 1.5-2 |

### Mechanical data

|   |       |
|---|-------|
| Minimum number of operations (as per standard) without load | 30000 |
| Maximum weight (kg)   | ----- |

### Codes

| Case size (A) | Scheme | Code         | Special       |
|---------------|--------|--------------|---------------|
| Size 0        | 1+1    | TFV0611EHPN0 | 1 MPP(2decks) |

### Accessories

EI normal handle black  
DIN rail mounting

You will find detailed information about our products on our website [www.india.gorlanteam.com](http://www.india.gorlanteam.com)

|  |   |  |
|--|---|--|
|  | <b>Load Break Switch<br/>TFV0611EHPN0</b> | GORLAN INDIA.<br>Data subject to change without<br>notice (printed:18/08/2017) |
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