

### DLA2-06DBC



- ✦ Din rail plug-in surge protector
- ✦ 2-pair
- ✦ Un: 6 V
- ✦ Shield wire protection
- ✦ Without line cut-off
- ✦ IEC 61643-21 compliance
- ✦ UL497B certified



|  | <table border="1"> <thead> <tr> <th colspan="2">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Network</td> <td>MIC/T2, 10BaseT</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un 6 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc 8 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max. &gt; 20 MHz</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL 300 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 µs by pole</td> <td>Imax 20 kA</td> </tr> <tr> <td>Line inductance (± 10 %)</td> <td>non</td> </tr> <tr> <td>Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)</td> <td>Up 25 V</td> </tr> <tr> <td>Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)</td> <td>Up 20 V</td> </tr> <tr> <td>Impulse current 2 x 10/350µs Test - D1 Category</td> <td>Iimp 5 kA</td> </tr> <tr> <td>Nominal discharge current C2 Category</td> <td>In 5 kA</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td>4.7 Ohm</td> </tr> </tbody> </table> | Electrical Characteristics |  | Network              | MIC/T2, 10BaseT                     | Nominal line voltage | Un 6 V           | Max. DC operating voltage | Uc 8 Vdc  | Max. frequency | f max. > 20 MHz | Max. load current @25°C | IL 300 mA                         | Max. discharge current max. withstand @ 8/20 µs by pole | Imax 20 kA             | Line inductance (± 10 %)          | non       | Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line) | Up 25 V | Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth) | Up 20 V       | Impulse current 2 x 10/350µs Test - D1 Category | Iimp 5 kA                               | Nominal discharge current C2 Category | In 5 kA     | Line resistance (± 10%) | 4.7 Ohm     |
|--|--|----------------------------|--|----------------------|-------------------------------------|----------------------|------------------|---------------------------|---|----------------|-----------------|-------------------------|-----------------------------------|---|------------------------|-----------------------------------|-----------|---|---------|--|---------------|---|---|---------------------------------------|-------------|-------------------------|-------------|
| Electrical Characteristics   |  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Network  | MIC/T2, 10BaseT  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Nominal line voltage   | Un 6 V   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Max. DC operating voltage  | Uc 8 Vdc   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Max. frequency   | f max. > 20 MHz  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Max. load current @25°C  | IL 300 mA  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Max. discharge current max. withstand @ 8/20 µs by pole  | Imax 20 kA   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Line inductance (± 10 %)   | non  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)  | Up 25 V  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)   | Up 20 V  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Impulse current 2 x 10/350µs Test - D1 Category  | Iimp 5 kA  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Nominal discharge current C2 Category  | In 5 kA  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Line resistance (± 10%)  | 4.7 Ohm  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| <p>G: 3-electrode gas tube<br/>Gb: 2-electrode gas tube<br/>R: Resistor<br/>D: Clamping diode</p>  | <table border="1"> <thead> <tr> <th colspan="2">Mechanical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Technology</td> <td>GDT+TVS diode</td> </tr> <tr> <td>SPD configuration</td> <td>2-pairs+shielded</td> </tr> <tr> <td>Connection to Network</td> <td>By screw terminal: cross section 0.5-2.5mm<sup>2</sup></td> </tr> <tr> <td>Format</td> <td>Plug-in DIN box</td> </tr> <tr> <td>Mounting</td> <td>Symmetrical rail 35 mm (EN 60715)</td> </tr> <tr> <td>Housing material</td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating and storage temperature</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td>Short-circuit</td> </tr> <tr> <td>Disconnection indicator</td> <td>Transmission interrupt - default mode 2</td> </tr> <tr> <td>Spare module(s)</td> <td>DLA2M-06dBC</td> </tr> <tr> <td>Dimensions</td> <td>See diagram</td> </tr> </tbody> </table>  | Mechanical Characteristics |  | Technology           | GDT+TVS diode                       | SPD configuration    | 2-pairs+shielded | Connection to Network     | By screw terminal: cross section 0.5-2.5mm <sup>2</sup> | Format         | Plug-in DIN box | Mounting                | Symmetrical rail 35 mm (EN 60715) | Housing material  | Thermoplastic UL94 V-0 | Operating and storage temperature | -40/+85°C | Protection rating   | IP20    | Failsafe mode  | Short-circuit | Disconnection indicator                         | Transmission interrupt - default mode 2 | Spare module(s)                       | DLA2M-06dBC | Dimensions              | See diagram |
| Mechanical Characteristics   |  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Technology   | GDT+TVS diode  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| SPD configuration  | 2-pairs+shielded   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Connection to Network  | By screw terminal: cross section 0.5-2.5mm <sup>2</sup>  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Format   | Plug-in DIN box  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Mounting   | Symmetrical rail 35 mm (EN 60715)  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Housing material   | Thermoplastic UL94 V-0   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Operating and storage temperature  | -40/+85°C  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Protection rating  | IP20   |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Failsafe mode  | Short-circuit  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Disconnection indicator  | Transmission interrupt - default mode 2  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Spare module(s)  | DLA2M-06dBC  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Dimensions   | See diagram  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| <table border="1"> <thead> <tr> <th colspan="2">Standards</th> </tr> </thead> <tbody> <tr> <td>Standards compliance</td> <td>IEC 61643-21 / EN 61643-21 / UL497B</td> </tr> <tr> <td>Certification</td> <td>UL Listed</td> </tr> </tbody> </table> |  | Standards                  |  | Standards compliance | IEC 61643-21 / EN 61643-21 / UL497B | Certification        | UL Listed        |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Standards  |  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Standards compliance   | IEC 61643-21 / EN 61643-21 / UL497B  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Certification  | UL Listed  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| <table border="1"> <thead> <tr> <th colspan="2">Part number</th> </tr> </thead> <tbody> <tr> <td colspan="2">640131</td> </tr> </tbody> </table>   |  | Part number                |  | 640131               |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| Part number  |  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |
| 640131   |  |                            |  |                      |                                     |                      |                  |                           |   |                |                 |                         |                                   |   |                        |                                   |           |   |         |  |               |   |   |                                       |             |                         |             |