



- ↳ Überspannungsschutz für 1 Doppelader
- ↳ Austauschbares Schutzmodul
- ↳ Schirmanschluss/schutz möglich
- ↳ Keine Stromkreistrennung bei gezogenem Modul
- ↳ Konform zur EN 61643-21
- ↳ Zugelassen nach UL497A



|   |  |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
|---|--|---|---------------------------|--|--------------|--------------|-------------------------------------|-----------------------|--------------------------|-----------------------|--------------|----------------------|---|---------|----------------|--|-------------|-------------------------|------------------|------------------|--|------------------------|-------------------|--------------------|-----------|-----------|--------------------------------------|--------|------------------|---------------------------------------|-------------|--|--|------|----------------------|--|-------------------------------|-------------|--|-----------|------------|------------------|---------------|--|---------------|--|--|------------------|--|---|-----------------------|--|--|--------|--|--|
|   | <b>ELEKTRISCHE EIGENSCHAFTEN</b>   |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| <p>G: 3-electrode gas tube<br/>Gb: 2-electrode gas tube<br/>R: Resistor<br/>D: Clamping diode</p> | <table border="1"> <tr> <td>Anwendung<br/>z.B. 230/400</td> <td></td> <td>RS422, RS485</td> </tr> <tr> <td>Nennspannung</td> <td>Un</td> <td>6 V</td> </tr> <tr> <td>Höchste Dauerspannung DC</td> <td>Uc</td> <td>8 Vdc</td> </tr> <tr> <td>max. Frequenzbereich</td> <td>f max.</td> <td>&gt; 3 MHz</td> </tr> <tr> <td>Einfügdämpfung</td> <td></td> <td>&lt; 1 dB</td> </tr> <tr> <td>max. Laststrom<br/>@25°C</td> <td>IL</td> <td>300 mA</td> </tr> <tr> <td>max. Ableitstoßstrom<br/>max. Ableitfähigkeit 8/20 µs pro Pol</td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Serieninduktivität</td> <td></td> <td>Keine</td> </tr> <tr> <td>C3 Schutzpegel L/L<br/>@ In (8/20 µs)</td> <td>Up L/L</td> <td>20 V</td> </tr> <tr> <td>C3 Schutzpegel L/PE<br/>@ In (8/20 µs)</td> <td>Up L/PE</td> <td>20 V</td> </tr> <tr> <td>D1 Blitzstoßstrom<br/>2x 10/350 µs Impuls</td> <td>Iimp</td> <td>5 kA</td> </tr> <tr> <td>C2 Nennableitstoßstrom Ader/Ader<br/>10 x 8/20 µs Impulse</td> <td>In L/L</td> <td>5 kA</td> </tr> <tr> <td>C2 Nennableitstoßstrom Ader/Erde<br/>10 x 8/20 µs Impulse</td> <td>In L/PE</td> <td>5 kA</td> </tr> <tr> <td>Serienwiderstand</td> <td></td> <td>&lt; 4.7 Ohm</td> </tr> </table>  |   | Anwendung<br>z.B. 230/400 |  | RS422, RS485 | Nennspannung | Un                                  | 6 V                   | Höchste Dauerspannung DC | Uc                    | 8 Vdc        | max. Frequenzbereich | f max.  | > 3 MHz | Einfügdämpfung |  | < 1 dB      | max. Laststrom<br>@25°C | IL               | 300 mA           | max. Ableitstoßstrom<br>max. Ableitfähigkeit 8/20 µs pro Pol | Imax                   | 20 kA             | Serieninduktivität |           | Keine     | C3 Schutzpegel L/L<br>@ In (8/20 µs) | Up L/L | 20 V             | C3 Schutzpegel L/PE<br>@ In (8/20 µs) | Up L/PE     | 20 V   | D1 Blitzstoßstrom<br>2x 10/350 µs Impuls | Iimp | 5 kA                 | C2 Nennableitstoßstrom Ader/Ader<br>10 x 8/20 µs Impulse | In L/L                        | 5 kA        | C2 Nennableitstoßstrom Ader/Erde<br>10 x 8/20 µs Impulse | In L/PE   | 5 kA       | Serienwiderstand |               | < 4.7 Ohm  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Anwendung<br>z.B. 230/400   |  | RS422, RS485  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Nennspannung  | Un   | 6 V   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Höchste Dauerspannung DC  | Uc   | 8 Vdc   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| max. Frequenzbereich  | f max.   | > 3 MHz   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Einfügdämpfung  |  | < 1 dB  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| max. Laststrom<br>@25°C   | IL   | 300 mA  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| max. Ableitstoßstrom<br>max. Ableitfähigkeit 8/20 µs pro Pol                                      | Imax   | 20 kA   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Serieninduktivität  |  | Keine   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| C3 Schutzpegel L/L<br>@ In (8/20 µs)  | Up L/L   | 20 V  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| C3 Schutzpegel L/PE<br>@ In (8/20 µs)   | Up L/PE  | 20 V  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| D1 Blitzstoßstrom<br>2x 10/350 µs Impuls  | Iimp   | 5 kA  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| C2 Nennableitstoßstrom Ader/Ader<br>10 x 8/20 µs Impulse  | In L/L   | 5 kA  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| C2 Nennableitstoßstrom Ader/Erde<br>10 x 8/20 µs Impulse  | In L/PE  | 5 kA  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Serienwiderstand  |  | < 4.7 Ohm   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
|   | <b>MECHANISCHE EIGENSCHAFTEN</b>   |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
|   | <table border="1"> <tr> <td>Disconnection</td> <td></td> <td>Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul</td> </tr> <tr> <td>Technologie</td> <td></td> <td>GDT+ kapazitätsarmes Diodennetzwerk</td> </tr> <tr> <td>Ableiterkonfiguration</td> <td></td> <td>1 Doppelader + Schirm</td> </tr> <tr> <td>Anschlussart</td> <td></td> <td>Adern, Erdung und Schirm über Fahrstuhlkerme 0.5-1.5 mm<sup>2</sup><br/>Erdung auch über Hutschiene möglich</td> </tr> <tr> <td>Bauart</td> <td></td> <td>Steckbare modulare Bauweise für Hutschiene</td> </tr> <tr> <td>Montage auf</td> <td></td> <td>35 mm Hutschiene</td> </tr> <tr> <td>Gehäusewerkstoff</td> <td></td> <td>Thermoplastik UL94 V-0</td> </tr> <tr> <td>Temperaturbereich</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Schutzart</td> <td></td> <td>IP20</td> </tr> <tr> <td>Ausfallverhalten</td> <td></td> <td>Kurzschluss</td> </tr> <tr> <td>Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul</td> <td></td> <td>Ja</td> </tr> <tr> <td>Fehlersignalisierung</td> <td></td> <td>Unterbrechung der Übertragung</td> </tr> <tr> <td>Ersatzmodul</td> <td></td> <td>DLAM-06D3</td> </tr> <tr> <td>Einbaumaße</td> <td></td> <td>Siehe Maßbild</td> </tr> </table> | Disconnection   |                           | Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul | Technologie  |              | GDT+ kapazitätsarmes Diodennetzwerk | Ableiterkonfiguration |                          | 1 Doppelader + Schirm | Anschlussart |                      | Adern, Erdung und Schirm über Fahrstuhlkerme 0.5-1.5 mm <sup>2</sup><br>Erdung auch über Hutschiene möglich | Bauart  |                | Steckbare modulare Bauweise für Hutschiene | Montage auf |                         | 35 mm Hutschiene | Gehäusewerkstoff |  | Thermoplastik UL94 V-0 | Temperaturbereich | Tu                 | -40/+85°C | Schutzart |                                      | IP20   | Ausfallverhalten |                                       | Kurzschluss | Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul |  | Ja   | Fehlersignalisierung |  | Unterbrechung der Übertragung | Ersatzmodul |  | DLAM-06D3 | Einbaumaße |                  | Siehe Maßbild | <table border="1"> <tr> <td colspan="3" data-bbox="1013 1691 1541 1713" style="background-color: #f4a460;"><b>NORMEN</b></td> </tr> <tr> <td>Normkonform nach</td> <td></td> <td>IEC 61643-21 / DIN EN 61643-21 / UL497A</td> </tr> <tr> <td colspan="3" data-bbox="1013 1736 1541 1758" style="background-color: #f4a460;"><b>Artikel Nummer</b></td> </tr> <tr> <td colspan="3" data-bbox="1013 1758 1541 1789">640801</td> </tr> </table> | <b>NORMEN</b> |  |  | Normkonform nach |  | IEC 61643-21 / DIN EN 61643-21 / UL497A | <b>Artikel Nummer</b> |  |  | 640801 |  |  |
| Disconnection   |  | Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Technologie   |  | GDT+ kapazitätsarmes Diodennetzwerk   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Ableiterkonfiguration   |  | 1 Doppelader + Schirm   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Anschlussart  |  | Adern, Erdung und Schirm über Fahrstuhlkerme 0.5-1.5 mm <sup>2</sup><br>Erdung auch über Hutschiene möglich |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Bauart  |  | Steckbare modulare Bauweise für Hutschiene  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Montage auf   |  | 35 mm Hutschiene  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Gehäusewerkstoff  |  | Thermoplastik UL94 V-0  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Temperaturbereich   | Tu   | -40/+85°C   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Schutzart   |  | IP20  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Ausfallverhalten  |  | Kurzschluss   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Trennung des Datensignals im Fehlerfall bei gezogenem Steckmodul                                  |  | Ja  |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Fehlersignalisierung  |  | Unterbrechung der Übertragung   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Ersatzmodul   |  | DLAM-06D3   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Einbaumaße  |  | Siehe Maßbild   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| <b>NORMEN</b>   |  |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| Normkonform nach  |  | IEC 61643-21 / DIN EN 61643-21 / UL497A   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| <b>Artikel Nummer</b>   |  |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |
| 640801  |  |   |                           |  |              |              |                                     |                       |                          |                       |              |                      |   |         |                |  |             |                         |                  |                  |  |                        |                   |                    |           |           |                                      |        |                  |                                       |             |  |  |      |                      |  |                               |             |  |           |            |                  |               |  |               |  |  |                  |  |   |                       |  |  |        |  |  |

