



- ↳ Hybrid SAD-GDT Technology
- ↳ UL497B LISTED
- ↳ 20kA I<sub>max</sub> (1x 8/20us)
- ↳ 5kA I<sub>mp</sub> (2x 10/350us)
- ↳ 5kA I<sub>n</sub> (10x 8/20us)
- ↳ Modular
- ↳ 2W+SHIELD+G

|   |  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
|---|--|---------------------|---------------------|-------------------|---|------------------------------|------------------------|---------------|--|-------------------------|---------|----------------------|--------|-------------------|-------------------------------|---------|----------|---|-----------------------|-------------------------|--|------------|-------------|---|----------|------------|---|---------|------|---------------|--|---------------|---------|-----|----|-------|--|-------------|------------------|-----|-----|-------------|-----|-----|-------------|-----|-----|------------------|-----|----|------|-----|----|----|------|---|------|------|----|------|------|---|------------|--------|--------|-------------------------|------|-----|
|   | <b>Características eléctricas</b>  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <p>G : Descargador tripolar<br/>Gb : Descargador bipolar<br/>L : Inductancia<br/>D : Diodo limitador</p>  | <table border="1"> <tr> <td>Red</td> <td></td> <td>RNIS-T0, línea 48 V</td> </tr> <tr> <td>Tensión DC máx. de operación</td> <td>Uc</td> <td>53 Vdc</td> </tr> <tr> <td>Frecuencia máx.</td> <td>f max.</td> <td>&gt; 3 MHz</td> </tr> <tr> <td>Perdida de inserción</td> <td></td> <td>&lt; 1 dB</td> </tr> <tr> <td>Corriente máx. De línea @25°C</td> <td>IL</td> <td>2.4 A</td> </tr> <tr> <td>Nivel de protección<br/>C3 (10/1000µs), 300 aplicaciones@10 A, X-X (Línea/Línea)</td> <td>Up</td> <td>70 V</td> </tr> <tr> <td>Nivel de protección<br/>C3 (10/1000µs), 300 aplicaciones@10 A, X-C (Línea/Tierra)</td> <td>Up</td> <td>70 V</td> </tr> <tr> <td>Corriente de choque<br/>Prueba 10/350µs x 2 - categoría D1</td> <td>Iimp</td> <td>5 kA</td> </tr> <tr> <td>Corriente de descarga nominal X-C (Línea/Tierra)<br/>Prueba 8/20µs x 10 - categoría C2</td> <td>In L/PE</td> <td>5 kA</td> </tr> <tr> <td>DATA SPD TYPE</td> <td></td> <td>UL497B LISTED</td> </tr> <tr> <td>TENSION</td> <td>(V)</td> <td>48</td> </tr> <tr> <td>WIRES</td> <td></td> <td>2W+SHIELD+G</td> </tr> <tr> <td>LINE CURRENT MAX</td> <td>(A)</td> <td>2.4</td> </tr> <tr> <td>AMBIENT MIN</td> <td>(C)</td> <td>-50</td> </tr> <tr> <td>AMBIENT MAX</td> <td>(C)</td> <td>+85</td> </tr> <tr> <td>RESIDUAL VOLTAGE</td> <td>(V)</td> <td>70</td> </tr> <tr> <td>MCOV</td> <td>(V)</td> <td>28</td> </tr> <tr> <td>IN</td> <td>(kA)</td> <td>5</td> </tr> <tr> <td>IMAX</td> <td>(kA)</td> <td>20</td> </tr> <tr> <td>Iimp</td> <td>(kA)</td> <td>5</td> </tr> <tr> <td>DATA SPEED</td> <td>(Mbps)</td> <td>10/100</td> </tr> <tr> <td>INSERTION LOSS (@ FREQ)</td> <td>(db)</td> <td>&lt; 1</td> </tr> </table> |                     | Red                 |                   | RNIS-T0, línea 48 V                                       | Tensión DC máx. de operación | Uc                     | 53 Vdc        | Frecuencia máx.                                    | f max.                  | > 3 MHz | Perdida de inserción |        | < 1 dB            | Corriente máx. De línea @25°C | IL      | 2.4 A    | Nivel de protección<br>C3 (10/1000µs), 300 aplicaciones@10 A, X-X (Línea/Línea) | Up                    | 70 V                    | Nivel de protección<br>C3 (10/1000µs), 300 aplicaciones@10 A, X-C (Línea/Tierra) | Up         | 70 V        | Corriente de choque<br>Prueba 10/350µs x 2 - categoría D1 | Iimp     | 5 kA       | Corriente de descarga nominal X-C (Línea/Tierra)<br>Prueba 8/20µs x 10 - categoría C2 | In L/PE | 5 kA | DATA SPD TYPE |  | UL497B LISTED | TENSION | (V) | 48 | WIRES |  | 2W+SHIELD+G | LINE CURRENT MAX | (A) | 2.4 | AMBIENT MIN | (C) | -50 | AMBIENT MAX | (C) | +85 | RESIDUAL VOLTAGE | (V) | 70 | MCOV | (V) | 28 | IN | (kA) | 5 | IMAX | (kA) | 20 | Iimp | (kA) | 5 | DATA SPEED | (Mbps) | 10/100 | INSERTION LOSS (@ FREQ) | (db) | < 1 |
| Red   |  | RNIS-T0, línea 48 V |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Tensión DC máx. de operación  | Uc   | 53 Vdc              |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Frecuencia máx.   | f max.   | > 3 MHz             |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Perdida de inserción  |  | < 1 dB              |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Corriente máx. De línea @25°C   | IL   | 2.4 A               |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Nivel de protección<br>C3 (10/1000µs), 300 aplicaciones@10 A, X-X (Línea/Línea)   | Up   | 70 V                |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Nivel de protección<br>C3 (10/1000µs), 300 aplicaciones@10 A, X-C (Línea/Tierra)  | Up   | 70 V                |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Corriente de choque<br>Prueba 10/350µs x 2 - categoría D1   | Iimp   | 5 kA                |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Corriente de descarga nominal X-C (Línea/Tierra)<br>Prueba 8/20µs x 10 - categoría C2   | In L/PE  | 5 kA                |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| DATA SPD TYPE   |  | UL497B LISTED       |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| TENSION   | (V)  | 48                  |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| WIRES   |  | 2W+SHIELD+G         |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| LINE CURRENT MAX  | (A)  | 2.4                 |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| AMBIENT MIN   | (C)  | -50                 |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| AMBIENT MAX   | (C)  | +85                 |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| RESIDUAL VOLTAGE  | (V)  | 70                  |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| MCOV  | (V)  | 28                  |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| IN  | (kA)   | 5                   |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| IMAX  | (kA)   | 20                  |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Iimp  | (kA)   | 5                   |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| DATA SPEED  | (Mbps)   | 10/100              |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| INSERTION LOSS (@ FREQ)   | (db)   | < 1                 |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <b>Características mecánicas</b>  |  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <table border="1"> <tr> <td>Tecnología</td> <td>GDT+Diodo limitador</td> </tr> <tr> <td>Conexión a la red</td> <td>Por tornillos : sección mini/máxi 0.4-1.5 mm<sup>2</sup></td> </tr> <tr> <td>Formato</td> <td>Caja DIN desenchufable</td> </tr> <tr> <td>Modo de fallo</td> <td>Corto-circuito</td> </tr> <tr> <td>TECNOLOGIA</td> <td>SAD-GDT</td> </tr> <tr> <td>CONFIGURACION DE RED</td> <td>1 pair</td> </tr> <tr> <td>FORMA DE CONEXION</td> <td>Screw Terminal</td> </tr> <tr> <td>MONTAJE</td> <td>DIN RAIL</td> </tr> <tr> <td>MATERIAL</td> <td>Thermoplastic UL94-V0</td> </tr> <tr> <td>NEMA RATING (IP RATING)</td> <td>NEMA 2 (IP20)</td> </tr> <tr> <td>DIMENSIONS</td> <td>See diagram</td> </tr> <tr> <td>WEIGHT</td> <td>0.30 lbs</td> </tr> <tr> <td>SPARE PART</td> <td>DLAHM-48D3</td> </tr> </table> |  | Tecnología          | GDT+Diodo limitador | Conexión a la red | Por tornillos : sección mini/máxi 0.4-1.5 mm <sup>2</sup> | Formato                      | Caja DIN desenchufable | Modo de fallo | Corto-circuito                                     | TECNOLOGIA              | SAD-GDT | CONFIGURACION DE RED | 1 pair | FORMA DE CONEXION | Screw Terminal                | MONTAJE | DIN RAIL | MATERIAL  | Thermoplastic UL94-V0 | NEMA RATING (IP RATING) | NEMA 2 (IP20)  | DIMENSIONS | See diagram | WEIGHT  | 0.30 lbs | SPARE PART | DLAHM-48D3  |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Tecnología  | GDT+Diodo limitador  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Conexión a la red   | Por tornillos : sección mini/máxi 0.4-1.5 mm <sup>2</sup>  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Formato   | Caja DIN desenchufable   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| Modo de fallo   | Corto-circuito   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| TECNOLOGIA  | SAD-GDT  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| CONFIGURACION DE RED  | 1 pair   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| FORMA DE CONEXION   | Screw Terminal   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| MONTAJE   | DIN RAIL   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| MATERIAL  | Thermoplastic UL94-V0  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| NEMA RATING (IP RATING)   | NEMA 2 (IP20)  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| DIMENSIONS  | See diagram  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| WEIGHT  | 0.30 lbs   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| SPARE PART  | DLAHM-48D3   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <b>Normas</b>   |  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <table border="1"> <tr> <td>UL STANDARD</td> <td>UL497B</td> </tr> <tr> <td>UL CATEGORY</td> <td>QVGG</td> </tr> <tr> <td>UL FILE NUMBER</td> <td>E184939</td> </tr> <tr> <td>NORMAS</td> <td>IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993</td> </tr> <tr> <td>ENVIRONMENTAL STANDARDS</td> <td>ROHS</td> </tr> </table>  |  | UL STANDARD         | UL497B              | UL CATEGORY       | QVGG  | UL FILE NUMBER               | E184939                | NORMAS        | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 | ENVIRONMENTAL STANDARDS | ROHS    |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| UL STANDARD   | UL497B   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| UL CATEGORY   | QVGG   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| UL FILE NUMBER  | E184939  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| NORMAS  | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| ENVIRONMENTAL STANDARDS   | ROHS   |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| <b>Código</b>   |  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |
| 641004  |  |                     |                     |                   |   |                              |                        |               |  |                         |         |                      |        |                   |                               |         |          |   |                       |                         |  |            |             |   |          |            |   |         |      |               |  |               |         |     |    |       |  |             |                  |     |     |             |     |     |             |     |     |                  |     |    |      |     |    |    |      |   |      |      |    |      |      |   |            |        |        |                         |      |     |

