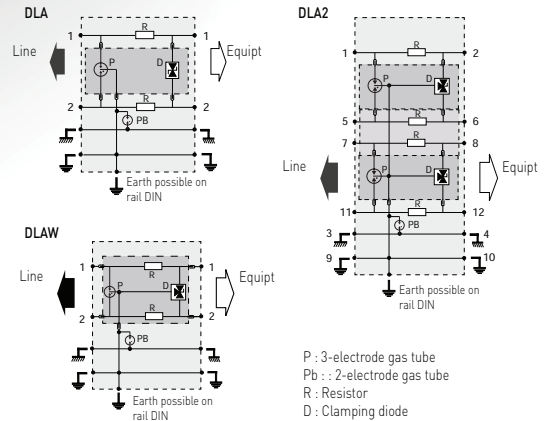
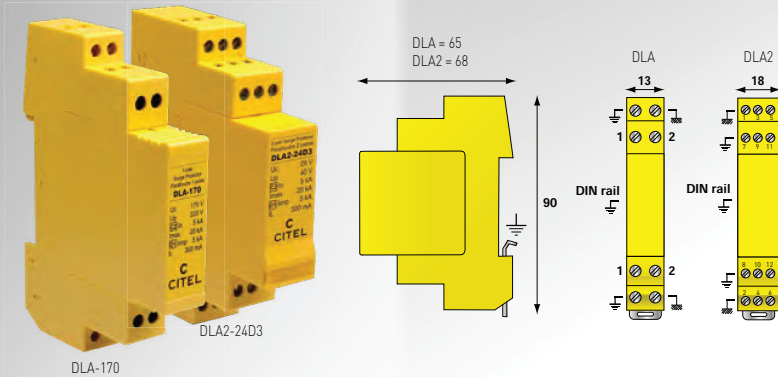
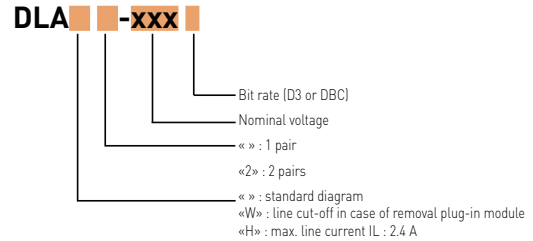


# DIN rail plug-in Surge Protector for dataline/telecom DLA, DLA2 series



- Pluggable surge protection for «DIN» mounting
- All types of Telephone and Data lines
- Shield wire protection
- Without line cut-off (DLA) or with (DLAW)
- 2- pair version (DLA2)
- IEC 61643-21 compliance
- UL497 A approved



## Characteristics

| CITEL Model   | DLA-170<br>DLA2-170   | DLA-48DBC<br>DLA2-48DBC                | DLA-48D3<br>DLA2-48D3                  | DLA-24D3<br>DLA2-24D3                  | DLA-12D3<br>DLA2-12D3                  | DLA-06DBC<br>DLA2-06DBC                | DLA-06D3<br>DLA2-06D3                  |
|---|---|--|--|--|--|--|--|
| Description   | Telecom/Data SPD- 1 or 2-pair -DIN mounting - Pluggable   |  |  |  |  |  |  |
| Network   | Telephone line, ADSL2, SDSL   | Fipway, WorldFIP, FieldBus-h2          | ISDN-T0, 48 V line                     | 4-20 mA                                | RS232, RS485                           | MIC/T2, 10BaseT                        | RS422, RS485*                          |
| SPD configuration   | DLA<br>DLA2   | 1-pair + shielded<br>2-pair + shielded | 1-pair + shielded<br>2-pair + shielded | 1-pair + shielded<br>2-pair + shielded | 1-pair + shielded<br>2-pair + shielded | 1-pair + shielded<br>2-pair + shielded | 1-pair + shielded<br>2-pair + shielded |
| Nominal line voltage  | Un  | 150 V                                  | 48 V                                   | 48 V                                   | 24 V                                   | 12 V                                   | 6 V                                    |
| Max. DC operating voltage                                   | Uc  | 170 V                                  | 53 V                                   | 53 V                                   | 28 V                                   | 15 V                                   | 8 V                                    |
| Max. Load current   | IL  | 300 mA                                 | 300 mA                                 | 300 mA                                 | 300 mA                                 | 300 mA                                 | 300 mA                                 |
| Max. frequency  | f max   | > 10 MHz                               | > 20 MHz                               | > 3 MHz                                | > 3 MHz                                | > 3 MHz                                | > 20 MHz                               |
| Insertion loss  |   | < 1 dB                                 | < 1 dB                                 | < 1 dB                                 | < 1 dB                                 | < 1 dB                                 | < 1 dB                                 |
| Nominal discharge current<br>8/20µs Test x 10 - C2 Category | In  | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   |
| Max. discharge current<br>-max. withstand @ 8/20 µs by pole | Imax  | 20 kA                                  | 20 kA                                  | 20 kA                                  | 20 kA                                  | 20 kA                                  | 20 kA                                  |
| Impulse current<br>2 x 10/350µs Test - D1 Category          | Iimp  | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   | 5 kA                                   |
| Protection level  | Up  | 220 V                                  | 75 V                                   | 70 V                                   | 40 V                                   | 30 V                                   | 25 V                                   |
| Failsafe behavior   |   | Short-circuit                          | Short-circuit                          | Short-circuit                          | Short-circuit                          | Short-circuit                          | Short-circuit                          |
| <b>Mechanical characteristics</b>                           |   |  |  |  |  |  |  |
| Dimensions  | see diagram   |  |  |  |  |  |  |
| Format  | Plug-in DIN box   |  |  |  |  |  |  |
| Connection to Network                                       | screw terminal - cross section 0.4-1.5 mm <sup>2</sup>  |  |  |  |  |  |  |
| Disconnection indicator                                     | transmission interrupt - Default Mode 2   |  |  |  |  |  |  |
| Mounting  | Symmetrical rail 35 mm (EN60715)  |  |  |  |  |  |  |
| Operating temperature                                       | -40/+85°C   |  |  |  |  |  |  |
| Protection rating   | IP20  |  |  |  |  |  |  |
| Housing material  | Thermoplastic UL94-V0   |  |  |  |  |  |  |
| Spare module for DLA  | DLAM-170  | DLAM-48DBC                             | DLAM-48D3                              | DLAM-24D3                              | DLAM-12D3                              | DLAM-06DBC                             | DLAM-06D3                              |
| Spare module for DLA2                                       | DLA2M-170   | DLA2M-48DBC                            | DLA2M-48D3                             | DLA2M-24D3                             | DLA2M-12D3                             | DLA2M-06DBC                            | DLA2M-06D3                             |
| Versions  | DLA-xxx : standard version 1-pair (line continuity in case of removal of plug-in module)<br>DLA2-xxx : standard version 2-pairs (line continuity in case of removal of plug-in module)<br>DLAW-xxx : specific version 1-pair (line cut-off in case of removal plug-in module)<br>DLAH-xxx : «remote supply» version 1-pair (max. line current IL = 2,4 A) |  |  |  |  |  |  |
| Standards compliance  | IEC 61643-21 / EN 61643-21 / UL497A   |  |  |  |  |  |  |
| <b>Part number</b>  |   |  |  |  |  |  |  |
| DLA range   | 6406011   | 640421                                 | 6403021                                | 6403011                                | 6402011                                | 640121                                 | 6401011                                |
| DLAH range  | 641005  | 641014                                 | 641004                                 | 641003                                 | 641002                                 | 641011                                 | 641001                                 |
| DLAW range  | 640805  | -                                      | 640804                                 | 640803                                 | 640802                                 | 640811                                 | 640801                                 |
| DLA2 range  | 640611  | -                                      | 640312                                 | 640311                                 | 640211                                 | 640131                                 | 640111                                 |