# Level 1 Lightning Current Protection - Main Power Supply (LVMD)

**1**

## Iimp / Pole (10/350µs)

| | 50 kA Type 1+2 | | 35 kA Type 1+2+3 | 25 kA Type 1+2 | 25 kA Type 1+2+3 | | | | 12,5 kA Type 1+2 | 12,5 kA Type 1+2+3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Technology** | Multi-MOV | | LEAKAGE-CURRENT-FREE | | LEAKAGE-CURRENT-FREE | | LEAKAGE-CURRENT-FREE | | Multi-MOV | LEAKAGE-CURRENT-FREE | |
| **LPL I+II** |  DS500E |  DS250E |  DACN1-35VGS |  DS250VG |  DACN1-25CVGS |  DUT250VG |  DS250VG |  DACN1-25VGS | | | |
| **LPL III+IV** | | | | | | | | |  DAC1-13S |  DAC1-13VGS |  ZPAC1 (PRO) |
| **Product Name / Part number** | DS500E-230 500230<br>DS500E-320 63166<br>DS500E-400 3964 | DS250E-120 3106<br>DS250E-300 2730<br>DS250E-400 3731 | DACN1-35VGS-10-440 29321022<br>DACN1-35VGS-20-440 29322022<br>DACN1-35VGS-30-440 29323022<br>DACN1-35VGS-40-440 29324022 | DS250VG-690 63162<br>DS250VG-1000 64013 | DACN1-25CVGS-31-150 64152<br>DACN1-25CVGS-31-275 64135<br>DACN1-25CVGS-31-320 64157<br>DACN1-25CVGS-31-385 64162 | DUT250VG-300 /TNC 3588 | DS250VG-120 2787<br>DS250VG-300 /DE 3300<br>DS250VG-400 2578 | DACN1-25VGS-10-440 29221022<br>DACN1-25VGS-10-760 29221012 | DAC1-13S-31-150 821710144<br>DAC1-13S-31-275 821710244<br>DAC1-13S-31-320 821710344<br>DAC1-13S-31-440 821710444 | DAC1-13VGS-31-150 821730144<br>DAC1-13VGS-31-275 821730244<br>DAC1-13VGS-31-320 821730344 | ZPAC1-13VG-PRO-U 64087<br>ZPAC1-8VG-PRO-U 64079<br>ZPAC1-13VG-31-275 64004<br>ZPAC1-8VG-31-275 64006 |
| **OTHER VARIANTS** | TNC, TNS, TT, IT | TNC, TNS, TT, IT | TNC, TNS, IT | TNC, TNS, IT | Single-phase, TNS, TT | - | TNC, TNS, TT, IT | TNC, TNS, IT | Single-phase, TNC, TNS, TT, IT | Single-phase, TNC, TNS, TT | TNC |

# Level 2 Surge Protection - Subdistribution (LVSD)

## Level 3 Equipment Protection

**2**

| | Imax / Pole (8/20µs) | | | | | | | Imax / Pole (8/20µs) | |
|---|---|---|---|---|---|---|---|---|---|
| | 80 kA Type 2 | 50 kA Type 2 | 50 kA Type 2+3 | 40 kA Type 2 | 25 kA Type 2 | 15 kA Type 2+3 | 10 kA Type 2+3 | 15 kA Type 3 | |
| Technology | Multi-MOV | | LEAKAGE-CURRENT-FREE | Multi-MOV | | Multi-MOV | | Multi-MOV | |
| Product Image |  DAC80S |  DAC50S |  DAC50VGS |  DAC40CS |  DACF25S |  DACN15(S) |  DACN10(S) |  DAC15CS |  DACF15S |
| Special Feature | | | | COMPACT VERSION | INTEGRATED FUSE | COMPACT VERSION | | COMPACT VERSION | INTEGRATED FUSE |
| Product Name<br>Part number | DAC80S-31-150 821210144<br>DAC80S-31-275 821210244<br>DAC80S-31-320 821210344<br>DAC80S-31-385 821210544<br>DAC80S-31-440 821210444 | DAC50S-31-150 821110144<br>DAC50S-31-275 821110244<br>DAC50S-31-320 821110344<br>DAC50S-31-385 821111244<br>DAC50S-31-440 821110444 | DAC50VGS-31-150 821130144<br>DAC50VGS-31-275 821130244<br>DAC50VGS-31-320 821130344 | DAC40CS-11-150 821520121<br>DAC40CS-11-275 821520221<br>DAC40CS-11-320 821520321<br>DAC40CS-31-150 821520122<br>DAC40CS-31-275 821520222<br>DAC40CS-31-320 821520322 | DACF25S-31-150 821410144<br>DACF25S-31-275 821410244<br>DACF25S-31-320 821410344<br>DACF25S-31-440 821410444 | DACN15-P11-150 70146011<br>DACN15S-P11-150 70146012<br>DACN15-P11-275 70146021<br>DACN15S-P11-275 70146022 | DACN10S-11-150 70111012<br>DACN10S-11-275 70111022<br>DACN10S-L11-150 70112012<br>DACN10S-L11-275 70112022<br>DACN10S-21YG-150 70114012<br>DACN10S-21YG-275 70114022 | DAC15CS-11-150 821620121<br>DAC15CS-11-275 821620221<br>DAC15CS-11-320 821620321<br>DAC15CS-31-150 821620122<br>DAC15CS-31-275 821620222<br>DAC15CS-31-320 821620322 | DACF15S-31-150 821310144<br>DACF15S-31-275 821310244<br>DACF15S-31-320 821310344<br>DACF15S-31-440 821310444 |
| OTHER VARIANTS | Single-phase, TNC, TNS, TT, IT | Single-phase, TNC, TNS, TT, IT | Single-phase, TNC, TNS, TT, | - | Single-phase, TNC, TNS, TT, IT | - | TNS, IT | TNC, TNS, IT | Single-phase, TNC, TNS, TT, IT |

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