

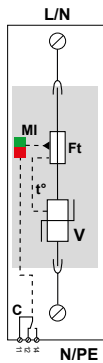
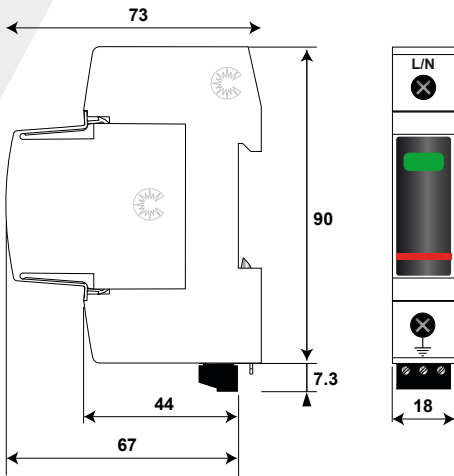


DAC80S-10

DAC80S SERIES



- Re-inforced Type 2 Surge Protector
- In: 40 kA
- Imax: 80 kA
- Pluggable module by phase
- Remote Signaling
- IEC 61643-11, EN 61643-11 certified
- UL1449 ed.5 compliance



V: High energy varistor
 Ft: Thermal Fuse
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Characteristics

| CITEL Model | | DAC80S-10-440 | DAC80S-10-320 | DAC80S-10-275 | DAC80S-10-150 |
|---|--------|--|-----------------------|-----------------------|-----------------------|
| Description | | Type 2 AC surge protector - one-pole - pluggable | | | |
| Maximum AC operating voltage | Uc | 440 Vac | 320Vac | 275 Vac | 150 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. | UT | 580 Vac withstand | 335 Vac withstand | 335 Vac withstand | 180 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics -120mn | UT | 770 Vac disconnection | 440 Vac disconnection | 440 Vac disconnection | 230 Vac disconnection |
| Residual current <i>Leakage current at Uc</i> | Ipe | < 1 mA | < 1 mA | < 1 mA | < 1 mA |
| Follow current | If | None | None | None | None |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | In | 40 kA | 40 kA | 40 kA | 40 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | Imax | 80 kA | 80 kA | 80 kA | 80 kA |
| Protection level @ In (8/20μs) | Up | 2 kV | 1.6 kV | 1.6 kV | 1.2 kV |
| Residual voltage @ 5 kA (8/20μs) | Up-5kA | 1.4 kV | 1 kV | 0.9 kV | 0.7 kV |
| Admissible short-circuit current | Iscrr | 50 000 A | 50 000 A | 50 000 A | 50 000 A |

Associated disconnectors

| | |
|--|----------------------------------|
| Thermal disconnector | internal |
| Fuses | 50 A min. - 125 A max. - gG Type |
| Installation ground fault breaker (if any) | Type "S" or delayed |

Mechanical characteristics

| | |
|---|--|
| Dimensions | see diagram - 1TE (DIN43880) |
| Connection to Network | By screw terminals: 2.5-25 mm ² (35mm ² rigid) |
| Failsafe mode | Disconnection from network |
| Disconnection indicator | 1 mechanical indicator Green/Red |
| Max. voltage/current for remote signaling | 250 V/0.5 A (AC) / 30V/3 A (DC) |
| Wiring for remote signaling | max. 1.5 mm ² |
| Mounting | Symmetrical rail 35 mm (EN60715) |
| Operating temperature | -40/+85°C |
| Protection rating | IP20 |
| Housing material | Thermoplastic UL94 V-0 |
| Spare unit | MDAC80-440 MDAC80-320 MDAC80-275 MDAC80-150 |

Standards

| | |
|---------------|--|
| Certification | KEMA |
| Compliance | EN 61643-11 / IEC 61643-11 / UL1449 ed.5 |

Part number

| | | | | |
|--|-----------|-----------|-----------|-----------|
| | 821210421 | 821210321 | 821210221 | 821210121 |
|--|-----------|-----------|-----------|-----------|

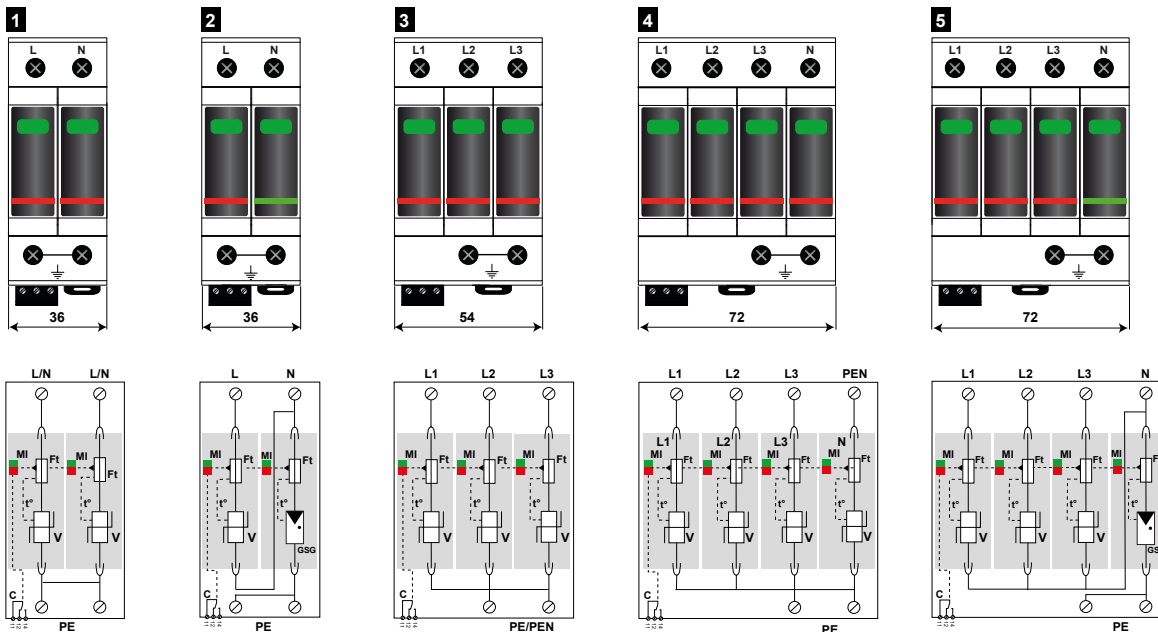
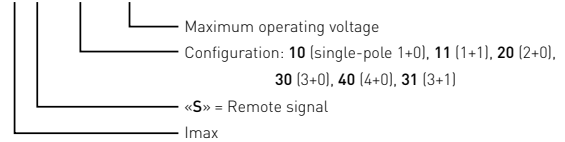
HEAVY DUTY TYPE 2 AC MULTIPOLAR SURGE PROTECTOR

DAC80S-11, DAC80S-20, DAC80S-30, DAC80S-31, DAC80S-40



DAC80S-31

DAC80S-xx-xxx



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Contact remote signal
t°: Thermal disconnection system
Mi: Disconnection indicator

| Model | Part number | Network | AC system | Protection Mode | Up L/PE | Up L/N | Up N/PE | Dimensions DIN43880 | Diagram |
|---------------|-------------|---------------------|---------------------|-----------------|---------|--------|---------|---------------------|---------|
| DAC80S-31-320 | 821210344 | 230/400 V 3-phase+N | TT-TNS system (3+1) | L/N and N/PE | - | 1.6 kV | 1.5 kV | 4 TE | 5 |
| DAC80S-31-275 | 821210244 | 230/400 V 3-phase+N | TT-TNS system (3+1) | L/N and N/PE | - | 1.6 kV | 1.5 kV | 4 TE | |
| DAC80S-31-150 | 821210144 | 120/208 V 3-phase+N | TT-TNS system (3+1) | L/N and N/PE | - | 1.2 kV | 1.5 kV | 4 TE | |
| DAC80S-40-440 | 821210424 | 230/400 V 3-phase+N | IT system (4+0) | L/PE and N/PE | 2 kV | - | 2 kV | 4 TE | 4 |
| DAC80S-40-320 | 821210324 | 230/400 V 3-phase+N | TNS system (4+0) | L/PE and N/PE | 1.6 kV | - | 1.6 kV | 4 TE | |
| DAC80S-40-275 | 821210224 | 230/400 V 3-phase+N | TNS system (4+0) | L/PE and N/PE | 1.6 kV | - | 1.6 kV | 4 TE | |
| DAC80S-40-150 | 821210124 | 120/208 V 3-phase+N | TNS system (4+0) | L/PE and N/PE | 1.2 kV | - | 1.2 kV | 4 TE | 3 |
| DAC80S-30-440 | 821210423 | 230/400 V 3-phase | IT system (3+0) | L/PE | 2 kV | - | - | 3 TE | |
| DAC80S-30-320 | 821210323 | 230/400 V 3-phase | TNC system (3+0) | L/PE | 1.6 kV | - | - | 3 TE | |
| DAC80S-30-275 | 821210223 | 230/400 V 3-phase | TNC system (3+0) | L/PE | 1.6 kV | - | - | 3 TE | 1 |
| DAC80S-30-150 | 821210123 | 120/208 V 3-phase | TNC system (3+0) | L/PE | 1.2 kV | - | - | 3 TE | |
| DAC80S-11-320 | 821210342 | 230 V single phase | TT-TN system(1+1) | L/N and N/PE | - | 1.6 kV | 1.5 kV | 2 TE | |
| DAC80S-11-275 | 821210242 | 230 V single phase | TT-TN system(1+1) | L/N and N/PE | - | 1.6 kV | 1.5 kV | 2 TE | 2 |
| DAC80S-11-150 | 821210142 | 120 V single phase | TT-TN system(1+1) | L/N and N/PE | - | 1.2 kV | 1.5 kV | 2 TE | |
| DAC80S-20-440 | 821210422 | 230 V single phase | IT system (2+0) | L/PE and N/PE | 2 kV | - | 2 kV | 2 TE | |
| DAC80S-20-320 | 821210322 | 230 V single phase | TN system (2+0) | L/PE and N/PE | 1.6 kV | - | 1.6 kV | 2 TE | 1 |
| DAC80S-20-275 | 821210222 | 230 V single phase | TN system (2+0) | L/PE and N/PE | 1.6 kV | - | 1.6 kV | 2 TE | |
| DAC80S-20-150 | 821210122 | 120 V single phase | TN system (2+0) | L/PE and N/PE | 1.2 kV | - | 1.2 kV | 2 TE | |