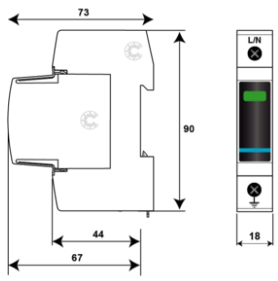
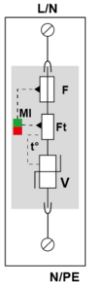


DACF15-10-320



- Type 2 (or 3) AC surge protector
- Interne Disconnection device
- Low caliber of the internal connector = systematic coordination with upstream circuit breaker
- In : 5 kA
- I_{max} : 15 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|----------------------|--|----------------------------|-----------------------------------|----------------|---------------------|---|----|---|--|----|-----------------------|--|-----------------|-----------------------------------|------------------|----------------|------------------------|---|----------------|-----------|---|------------------|-------|--|-----------------|-------------------------------|--|----------------|------------------------------------|----------------------------------|-----------------|-------------|-----------------------------------|--|---|-----------------------------|--|--------------------------|------------|--|-----------------------------|--------|--|----------|
|  | Electrical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator</p> | <table border="1"> <tr><td>SPD type</td><td></td><td>2 (or 3)</td></tr> <tr><td>Max. AC operating voltage</td><td>U_c</td><td>320 Vac</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>335 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>440 Vac disconnection</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>I_{pe}</td><td>< 1 mA</td></tr> <tr><td>Follow current</td><td>I_f</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 μs impulses</td><td>I_n</td><td>5 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>15 kA</td></tr> <tr><td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs</td><td>U_{oc}</td><td>10 kV</td></tr> <tr><td>Protection level @ I_n (8/20μs)</td><td>U_p</td><td>1.2 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>I_{sc}</td><td>100 000 A</td></tr> </table> | | SPD type | | 2 (or 3) | Max. AC operating voltage | U _c | 320 Vac | Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 335 Vac withstand | Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 440 Vac disconnection | Residual Current Leakage current to Ground | I _{pe} | < 1 mA | Follow current | I _f | None | Nominal discharge current 15 x 8/20 μs impulses | I _n | 5 kA | Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 15 kA | Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U _{oc} | 10 kV | Protection level @ I _n (8/20μs) | U _p | 1.2 kV | Admissible short-circuit current | I _{sc} | 100 000 A | | | | | | | | | | | | |
| SPD type | | 2 (or 3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. AC operating voltage | U _c | 320 Vac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 335 Vac withstand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 440 Vac disconnection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Residual Current Leakage current to Ground | I _{pe} | < 1 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follow current | I _f | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 5 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 15 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U _{oc} | 10 kV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection level @ I _n (8/20μs) | U _p | 1.2 kV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Admissible short-circuit current | I _{sc} | 100 000 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mechanical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>Technology</td><td></td><td>MOV</td></tr> <tr><td>SPD configuration</td><td></td><td>Single phase</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminals: 2.5-25mm² (35mm² rigid)</td></tr> <tr><td>Format</td><td></td><td>Plug-in modular box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>T_u</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Disconnection from AC network</td></tr> <tr><td>Disconnection indicator</td><td></td><td>1 mechanical indicator - Red/Green</td></tr> <tr><td>Spare module(s)</td><td></td><td>MDACF15-320</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>option DACF15S-10-320: output on changeover contact</td></tr> <tr><td>Wiring for remote signaling</td><td></td><td>1.5 mm² max.</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram - 1TE (EN43880)</td></tr> <tr><td>Weight</td><td></td><td>0.112 kg</td></tr> </table> | | | Technology | | MOV | SPD configuration | | Single phase | Connection to Network | | By screw terminals: 2.5-25mm ² (35mm ² rigid) | Format | | Plug-in modular box | Mounting | | Symmetrical rail 35 mm (EN 60715) | Housing material | | Thermoplastic UL94 V-0 | Operating temperature | T _u | -40/+85°C | Protection rating | | IP20 | Failsafe mode | | Disconnection from AC network | Disconnection indicator | | 1 mechanical indicator - Red/Green | Spare module(s) | | MDACF15-320 | Remote signaling of disconnection | | option DACF15S-10-320: output on changeover contact | Wiring for remote signaling | | 1.5 mm ² max. | Dimensions | | See diagram - 1TE (EN43880) | Weight | | 0.112 kg |
| Technology | | MOV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPD configuration | | Single phase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection to Network | | By screw terminals: 2.5-25mm ² (35mm ² rigid) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Format | | Plug-in modular box | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mounting | | Symmetrical rail 35 mm (EN 60715) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Housing material | | Thermoplastic UL94 V-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating temperature | T _u | -40/+85°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection rating | | IP20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failsafe mode | | Disconnection from AC network | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disconnection indicator | | 1 mechanical indicator - Red/Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spare module(s) | | MDACF15-320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote signaling of disconnection | | option DACF15S-10-320: output on changeover contact | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wiring for remote signaling | | 1.5 mm ² max. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | | See diagram - 1TE (EN43880) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | | 0.112 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disconnectors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>Thermal disconnector</td><td></td><td>Internal</td></tr> <tr><td>Installation ground fault breaker</td><td></td><td>Type 'S' or delayed</td></tr> <tr><td>Back-up protection device</td><td></td><td>internal (equivalent AC rating : 25 A, gG Type)</td></tr> </table> | | | Thermal disconnector | | Internal | Installation ground fault breaker | | Type 'S' or delayed | Back-up protection device | | internal (equivalent AC rating : 25 A, gG Type) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal disconnector | | Internal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation ground fault breaker | | Type 'S' or delayed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back-up protection device | | internal (equivalent AC rating : 25 A, gG Type) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standards | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>Standards compliance</td><td></td><td>IEC 61643-11 / EN 61643-11</td></tr> </table> | | | Standards compliance | | IEC 61643-11 / EN 61643-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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