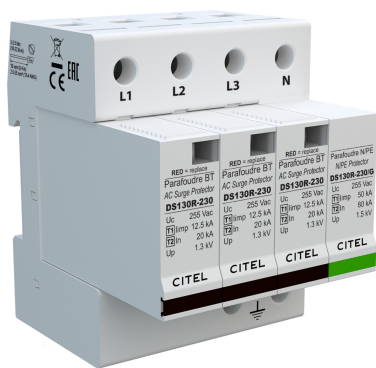




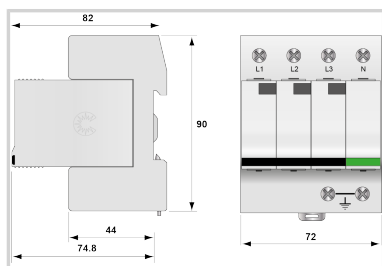
# CITEL



## Type 1+2 AC surge protector - 3-phase+N

### DS134R-230/G

- Discover our latest innovation : the [DAC1-13-31-275](#)
- Type 1 + 2 AC multipolar surge protector
- In : 20 kA
- Iimp total : 50 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance



| Electrical Characteristics                                                                                         |         |                                                    |
|--------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------|
| SPD type                                                                                                           | IEC     | 1+2                                                |
| Network                                                                                                            |         | 230/400 V 3-phase+N                                |
| AC system                                                                                                          |         | TNS                                                |
| Nominal line voltage                                                                                               | Un      | 230 Vac                                            |
| Max. AC operating voltage                                                                                          | Uc      | 255 Vac                                            |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT      | 335 Vac withstand                                  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT      | 440 Vac disconnection                              |
| Follow current                                                                                                     | If      | None                                               |
| Nominal discharge current<br><i>15 x 8/20 <math>\mu</math>s impulses</i>                                           | In      | 20 kA                                              |
| Max. discharge current<br><i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>                                   | Imax    | 50 kA                                              |
| Impulse current by pole<br><i>max. withstand 10/350<math>\mu</math>s by pole</i>                                   | Iimp    | 12.5 kA                                            |
| Total lightning current<br><i>max. total withstand @ 10/350<math>\mu</math>s</i>                                   | Itotal  | 50 kA                                              |
| Withstand on overvoltages IEEE C62.41.1                                                                            |         | 20 kV                                              |
| Specific energy by pole<br><i>max. withstand 10/350 <math>\mu</math>s</i>                                          | W/R     | 40 kJ/ohm                                          |
| Connection mode(s)                                                                                                 |         | L/N and N/PE                                       |
| Protection mode(s)                                                                                                 |         | Common mode                                        |
| Protection level L/N<br><i>@ In (8/20<math>\mu</math>s)</i>                                                        | Up L/N  | 1.3 kV                                             |
| Protection level L/PE<br><i>@ In (8/20<math>\mu</math>s)</i>                                                       | Up L/PE | 1.5 kV                                             |
| Admissible short-circuit current                                                                                   | Iscor   | 25 000 A                                           |
| Mechanical Characteristics                                                                                         |         |                                                    |
| Technology                                                                                                         |         | MOV                                                |
| SPD configuration                                                                                                  |         | 3-phase+Neutral                                    |
| Connection to Network                                                                                              |         | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| Format                                                                                                             |         | Plug-in modular box                                |
| Mounting                                                                                                           |         | Symmetrical rail 35 mm (EN 60715)                  |
| Housing material                                                                                                   |         | Thermoplastic UL94 V-0                             |
| Operating temperature                                                                                              | Tu      | -40/+85°C                                          |
| Protection rating                                                                                                  |         | IP20                                               |
| Failsafe mode                                                                                                      |         | Disconnection from AC network                      |
| Disconnection indicator                                                                                            |         | 1 mechanical indicator by pole                     |
| Spare module(s)                                                                                                    |         | DSM130R-230                                        |
| Remote signaling of disconnection                                                                                  |         | option DS134RS-230 : output on changeover contact  |
| Dimensions                                                                                                         |         | See diagram                                        |
| Disconnectors                                                                                                      |         |                                                    |
| Thermal disconnector                                                                                               |         | Internal                                           |
| Installation ground fault breaker                                                                                  |         | Type 'S' or delayed                                |
| Back-up protection device                                                                                          |         | Fuses Type gG - 125 A                              |
| Standards                                                                                                          |         |                                                    |
| Standards compliance                                                                                               |         | IEC 61643-11 / EN 61643-11 / UL1449 ed.5           |
| Certification                                                                                                      |         |                                                    |
| Part number                                                                                                        |         |                                                    |
| 571524                                                                                                             |         |                                                    |

