



# CITEL



## Surge fuses for protection of Type 1 AC SPD

### SFD1-13

- Specific Fuses (SPD Fusing Disconnectors) for short circuit protection of Type 1 AC surge protectors
- Surge current withstand: 12.5 kA @ 10/350µs
- 10 units per packaging
- Very compact
- Fusion signaling feature
- Remote signaling through fuse holder



| Electrical Characteristics                                        |                  |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. AC operating voltage                                         | Uc               | 500 Vac                                                                                                                                                                                                                                                                                                                 |
| Nominal discharge current<br><i>15 x 8/20 µs impulses</i>         | In               | 50 kA                                                                                                                                                                                                                                                                                                                   |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i> | I <sub>max</sub> | 80 kA                                                                                                                                                                                                                                                                                                                   |
| Impulse current by pole<br><i>max. withstand 10/350µs by pole</i> | I <sub>imp</sub> | 12.5 kA                                                                                                                                                                                                                                                                                                                 |
| Equivalent rated AC current                                       |                  | 125 A                                                                                                                                                                                                                                                                                                                   |
| Breaking capacity                                                 |                  | 100 000 A                                                                                                                                                                                                                                                                                                               |
| Fusing indicator                                                  |                  | Yes                                                                                                                                                                                                                                                                                                                     |
| Remote fusing indication                                          |                  | Through dedicated fuse holder                                                                                                                                                                                                                                                                                           |
| Residual voltage                                                  | Up               | < 0.4 kV @ 12.5 kA                                                                                                                                                                                                                                                                                                      |
| Mechanical Characteristics                                        |                  |                                                                                                                                                                                                                                                                                                                         |
| Format                                                            |                  | Cylindrical                                                                                                                                                                                                                                                                                                             |
| Mounting                                                          |                  | On cylindrical fuse holder                                                                                                                                                                                                                                                                                              |
| Operating temperature                                             | Tu               | -40/+85°C                                                                                                                                                                                                                                                                                                               |
| Protection rating                                                 |                  | IP20                                                                                                                                                                                                                                                                                                                    |
| Number of units per package                                       |                  | 10 units per packaging                                                                                                                                                                                                                                                                                                  |
| Dimensions                                                        |                  | 14x51 mm                                                                                                                                                                                                                                                                                                                |
| Associate Fuse holder                                             |                  | BSFD14-10S & SFD1-13 1 pole BSFD14-11S* & SFD1-13 single phase (L+N) BSFD14-20S & SFD1-13 2-phase BSFD14-30S & SFD1-13 3-phase BSFD14-31S* & SFD1-13 3-phase+N BSFD14-40S & SFD1-13 4-phase<br>*The Neutral position is equipped with a non-fusing element<br>The fuse holders are all equipped with a remote signaling |
| Standards                                                         |                  |                                                                                                                                                                                                                                                                                                                         |
| Standards compliance                                              |                  | EN 61643-11 /IEC 61643-11 /EN 60269-1/EN 60269-2/IEC 60269-1 /IEC 60269-2                                                                                                                                                                                                                                               |
| Part number                                                       |                  |                                                                                                                                                                                                                                                                                                                         |
| 39466                                                             |                  |                                                                                                                                                                                                                                                                                                                         |

