



# CITEL

## 1-pair plug-in surge protector

### KP1-06DBC



- ▶ Surge protector for LSA+ connection strip
- ▶ 1-pair
- ▶ Fast installation with no wiring modification
- ▶ Fast maintenance
- ▶ For analog or high speed telecom lines



| Electrical Characteristics   |         |   |
|--|---------|---|
| Network  |         | MIC/T2, 10BaseTRS485                                |
| Nominal line voltage   | Un      | 6 V   |
| Max. AC operating voltage  | Uc      | 8 Vac   |
| Max. frequency   | f max.  | 20 MHz  |
| Insertion loss   |         | < 1 dB  |
| Max. load current @25°C  | IL      | 300 mA  |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>                          | In      | 5 kA  |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>                  | Imax    | 10 kA   |
| Protection mode(s)   |         | Common/Differential mode                            |
| Protection Level<br><i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>  | Up      | 25 V  |
| Protection Level<br><i>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)</i> | Up      | 25 V  |
| Protection level L/N<br><i>@ In (8/20μs)</i>                                       | Up L/N  | 25 V  |
| Protection level L/PE<br><i>@ In (8/20μs)</i>                                      | Up L/PE | 25 V  |
| Type of diagram  |         | M   |
| Mechanical Characteristics   |         |   |
| Technology   |         | GDT+TVS diode                                       |
| SPD configuration  |         | 1 pair  |
| Connection to Network  |         | LSA+ connector                                      |
| Format   |         | 1-pair plug-in box                                  |
| Mounting   |         | LSA+ connection strip                               |
| Housing material   |         | Thermoplastic UL94 V-0                              |
| Operating temperature  | Tu      | -40/+85°C   |
| Protection rating  |         | IP20  |
| Failsafe mode  |         | Short-circuit - transmission cut-off - fault mode 2 |
| Disconnection indicator  |         | Transmission interrupt                              |
| Remote signaling of disconnection  |         | No  |
| Dimensions   |         | See diagram   |
| Standards  |         |   |
| Standards compliance   |         | IEC 61643-21 / EN 61643-21                          |
| Part number  |         |   |
| 159282   |         |   |

