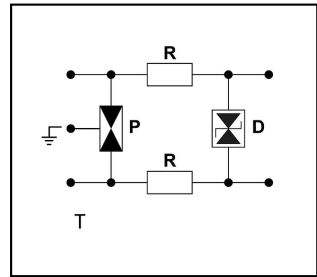
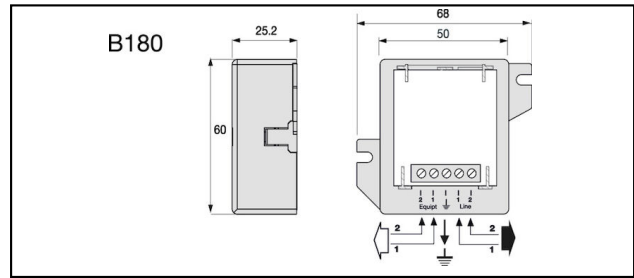
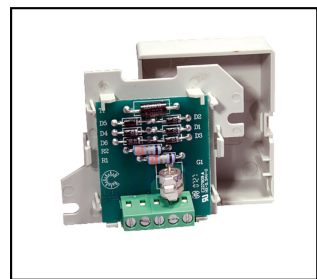


Informatics, Telecommunication

B 180 Surge protection



**Characteristics**  
Citel B 180 and B 280 surge protectors have been designed to protect your single and dual telephone and data lines against harmful lightning surges and electrical transients. The two-staged protection circuit consists of a combination of powerful gas-tube technology and fast switching diodes. These compact boxes are designed for wall mounting and screw connection.

| Article-Nr. | E-Number    |  |  | <div>kA<div><math>i_n</math></div></div> | <div>kA<div><math>I_{max}</math></div></div> | <div>kV<div><math>U_P</math></div></div> | <div>mm²<div></div></div> |  |  | <div></div> |
|-------------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------|
| 296.072.366 | 970 514 003 | ISDN                                                                                | 2                                                                                   | 5                                        | 20                                           | 0.22                                     | 0.4 - 1.5                                                                                                      |  |  | 1                                                                                                |

Technical Specifications: Surge protection B 180

|                                         |                |
|-----------------------------------------|----------------|
| Article No.                             | 296.072.366    |
| Applications with interface             | ISDN           |
| Number of wires                         | 2              |
| Continuous voltage DC max.              | 170 V          |
| Operating voltage max. [UcDC]           | 170 V          |
| Signal - maximum continuous voltage AC  | 121 V          |
| Nominal line voltage Un DC              | 150 V          |
| Continuous voltage AC max.              | 121 V          |
| Impulse current [Iimp]_(10/350)         | 2.5 kA         |
| Discharge current max. (8/20) µs [Imax] | 20 kA          |
| Nominal discharge surge current (8/20)  | 5 kA           |
| Nominal load current                    | 0.3 A          |
| Voltage protection level [Up]           | 0.22 kV        |
| Response time [ta]                      | <1             |
| Fault indication                        | Kurzschluss    |
| Temperature range                       | -40 - 80 °C    |
| Dimensions                              | Siehe Massbild |
| Signaling on the device                 | None           |
| Signal frequency                        | 10 MHz         |
| Connector (information technology)      | Clamp          |
| Discharge current max. [Imax]           | 20 kA          |
| Nominal cross section conductor         | 0.4 - 1.5 mm²  |
| Nominal discharge current [In]          | 5              |
| Signal nominal load current             | 0.3 A          |
| Mounting method                         | Other          |
| With remote signalling contact          | No             |
| Degree of protection (IP)               | IP20           |
| Standards                               |                |
| Test standards International            | IEC 61643-21   |
| Test standards USA                      | UL497A         |
| Commercial specification                |                |
| Customs number                          | 85363000       |
| country of origin                       | CE             |
| Logistic specification                  |                |
| VPE Weight                              | 0.063 kg       |

