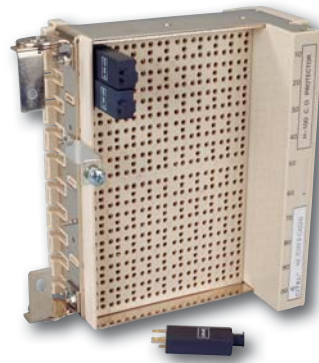
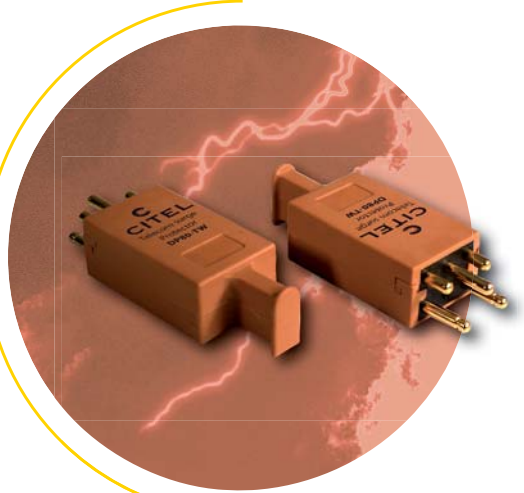


# 1-pair «5-pin» plug-in Surge Protector

## DP80-TW



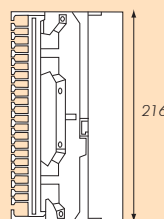
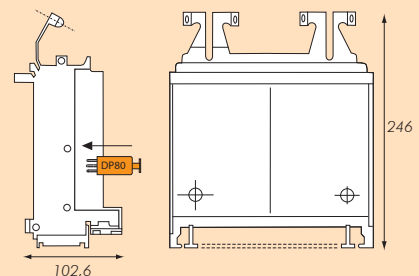
The DP80-TW series is designed to protect large telephone equipment (PABXs, central offices) against lightning surges. This protection is based in hybrid protection diagram (gas tube and diodes) and in K20 configuration (in compliance with ITU-T recommendation K20). The DP80-TW is a one-pair plug-in module that uses the 5-pin configuration, and so can be adapted to CITEL TC99 and similar 100-pair connector block.

TC99 100-pair MDF connector block allows the connection, protection, and disconnection of up to 100 pairs in a small volume, making it ideal for PABXs where space and effective protection are both critical. Connection is performed by Wrapping .

### Dimensions (in mm)



### TC99

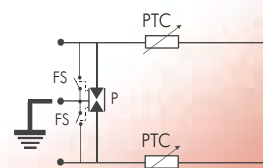


### Characteristics

CITEL part number	DP80-TW
Application	Analog line ADSL
Configuration	1 pair
Nominal line voltage (Un)	150 V
Max. line voltage (Uc)	170 V
Max. line current (I <sub>L</sub> )	100 mA
Max. frequency	3 MHz
Protection level (Up) 8/20µs impulse - 5kA	< 700 V
Nominal discharge current (In) 8/20µs impulse - 10 times	10 kA
End of life	Short-circuit on heavy surge and line cut-off + reset on overcurrent.
Mechanical characteristics	Mouting on «5-pin» connector block (type CITEL TC99 : 100 paires ) Dimensions : see drawing Contact: brass gold plated 0,5 µ Housing material : Thermoplastic UL94-V0

- Discharge current 8/20µs : 5 kA
- «5-pin» configuration
- 100-pair MDF connector block : TC99

### Electrical diagram



P : 3-electrode gas tube  
PTC : Thermistance  
FS : External short-circuit