



CITEL

4-pair Telecom surge protector unit

B480-T



- 4-pair surge protection unit
- For Telephone lines
- Removable protection circuit
- Wall mounting and screw connection
- UL497 A&B



	Electrical Characteristics																																							
<p>P: 3-electrode gas tube R: Resistor D: Clamping diode</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>RTC, ADSL, SDSL, SHDSL</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>150 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>170 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>> 10 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. discharge current <i>max. withstand @ 8/20 μs by pole</i></td> <td>I_{max}</td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>No</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i></td> <td>Up</td> <td>220 V</td> </tr> <tr> <td>Protection level <i>Following the test category C3 (IEC61643-21) - Line/PE</i></td> <td>Up</td> <td>20 V</td> </tr> <tr> <td>Type of diagram</td> <td></td> <td>A</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>< 4.7 Ohm</td> </tr> </table>	Network		RTC, ADSL, SDSL, SHDSL	Nominal line voltage	Un	150 V	Max. DC operating voltage	Uc	170 Vdc	Max. frequency	f max.	> 10 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA	Line inductance		No	Protection mode(s)		Common/Differential mode	Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i>	Up	220 V	Protection level <i>Following the test category C3 (IEC61643-21) - Line/PE</i>	Up	20 V	Type of diagram		A	Line resistance		< 4.7 Ohm			
Network		RTC, ADSL, SDSL, SHDSL																																						
Nominal line voltage	Un	150 V																																						
Max. DC operating voltage	Uc	170 Vdc																																						
Max. frequency	f max.	> 10 MHz																																						
Insertion loss		< 1 dB																																						
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA																																						
Line inductance		No																																						
Protection mode(s)		Common/Differential mode																																						
Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i>	Up	220 V																																						
Protection level <i>Following the test category C3 (IEC61643-21) - Line/PE</i>	Up	20 V																																						
Type of diagram		A																																						
Line resistance		< 4.7 Ohm																																						
	Mechanical Characteristics																																							
	<table border="1"> <tr> <td>Technology</td> <td></td> <td>GDT+Clamping diode</td> </tr> <tr> <td>SPD configuration</td> <td></td> <td>4 pairs</td> </tr> <tr> <td>Connection to Network</td> <td></td> <td>By screw terminal: cross section 0.4-1.5mm²</td> </tr> <tr> <td>Format</td> <td></td> <td>Wall mounting box</td> </tr> <tr> <td>Mounting</td> <td></td> <td>Wall mounting by screws (not supplied)</td> </tr> <tr> <td>Housing material</td> <td></td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td></td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td></td> <td>Short-circuit - transmission cut-off - fault mode 2</td> </tr> <tr> <td>Spare module(s)</td> <td></td> <td>S480-T</td> </tr> <tr> <td>Remote signaling of disconnection</td> <td></td> <td>No</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td></td> <td>0.138 kg</td> </tr> </table>	Technology		GDT+Clamping diode	SPD configuration		4 pairs	Connection to Network		By screw terminal: cross section 0.4-1.5mm ²	Format		Wall mounting box	Mounting		Wall mounting by screws (not supplied)	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	Spare module(s)		S480-T	Remote signaling of disconnection		No	Dimensions		See diagram	Weight		0.138 kg
Technology		GDT+Clamping diode																																						
SPD configuration		4 pairs																																						
Connection to Network		By screw terminal: cross section 0.4-1.5mm ²																																						
Format		Wall mounting box																																						
Mounting		Wall mounting by screws (not supplied)																																						
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																																						
Spare module(s)		S480-T																																						
Remote signaling of disconnection		No																																						
Dimensions		See diagram																																						
Weight		0.138 kg																																						
	Standards																																							
	<table border="1"> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-21 / EN 61643-21 / UL497A</td> </tr> <tr> <td>Certification</td> <td></td> <td>UL listed</td> </tr> </table>	Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A	Certification		UL listed																																	
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A																																						
Certification		UL listed																																						
	Part number																																							
	72746																																							

