



1-pair Data surge protector unit

CITEL

B180-48D3



- Compact 1-pair surge protection unit
- 48 V
- Removable protection circuit
- Wall mounting and screw connection
- UL497 A&B



	<table border="1"> <thead> <tr> <th colspan="2">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Network</td> <td>48 V line</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un 48 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc 53 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max. > 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td>< 1 dB</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax 20 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level Following the test category C3 (IEC61643-21) - Line/Line</td> <td>Up 70 V</td> </tr> <tr> <td>Protection level Following the test category C3 (IEC61643-21) - Line/PE</td> <td>Up 20 V</td> </tr> <tr> <td>Line resistance</td> <td>< 4.7 Ohm</td> </tr> </tbody> </table>	Electrical Characteristics		Network	48 V line	Nominal line voltage	Un 48 V	Max. DC operating voltage	Uc 53 Vdc	Max. frequency	f max. > 3 MHz	Insertion loss	< 1 dB	Max. discharge current max. withstand @ 8/20 μs by pole	Imax 20 kA	Protection mode(s)	Common/Differential mode	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up 70 V	Protection level Following the test category C3 (IEC61643-21) - Line/PE	Up 20 V	Line resistance	< 4.7 Ohm		
Electrical Characteristics																									
Network	48 V line																								
Nominal line voltage	Un 48 V																								
Max. DC operating voltage	Uc 53 Vdc																								
Max. frequency	f max. > 3 MHz																								
Insertion loss	< 1 dB																								
Max. discharge current max. withstand @ 8/20 μs by pole	Imax 20 kA																								
Protection mode(s)	Common/Differential mode																								
Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up 70 V																								
Protection level Following the test category C3 (IEC61643-21) - Line/PE	Up 20 V																								
Line resistance	< 4.7 Ohm																								
<p>G: 3-electrode gas tube R: Resistor D3: 3-pole clamping diode</p>	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Technology</td> <td>GDT+Clamping diode</td> </tr> <tr> <td>SPD configuration</td> <td>1 pair</td> </tr> <tr> <td>Connection to Network</td> <td>By screw terminal: cross section 0.4-1.5mm²</td> </tr> <tr> <td>Format</td> <td>Wall mounting box</td> </tr> <tr> <td>Mounting</td> <td>Wall mounting by screws (not supplied)</td> </tr> <tr> <td>Housing material</td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu -40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td>Short-circuit - transmission cut-off - fault mode 2</td> </tr> <tr> <td>Spare module(s)</td> <td>S180-48D3</td> </tr> <tr> <td>Dimensions</td> <td>See diagram</td> </tr> </tbody> </table>	Mechanical Characteristics		Technology	GDT+Clamping diode	SPD configuration	1 pair	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)	S180-48D3	Dimensions	See diagram
Mechanical Characteristics																									
Technology	GDT+Clamping diode																								
SPD configuration	1 pair																								
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)	S180-48D3																								
Dimensions	See diagram																								
<table border="1"> <thead> <tr> <th colspan="2">Standards</th> </tr> </thead> <tbody> <tr> <td>Standards compliance</td> <td>IEC 61643-21 / EN 61643-21 / UL497A</td> </tr> <tr> <td>Certification</td> <td>UL 497B</td> </tr> <tr> <td>Part number</td> <td>510402</td> </tr> </tbody> </table>		Standards		Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A	Certification	UL 497B	Part number	510402																
Standards																									
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																								
Certification	UL 497B																								
Part number	510402																								

