



2-pair Data surge protector unit

CITEL

B280-06D3



- 2-pair surge protection unit
- 6 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>RS422, RS485</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un 6 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc 8 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 <i>max. withstand @ 8/20 μs by pole</i></td> <td>Imax 20 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level <i>@ In (8/20 μs)</i></td> <td>Up L/L 20 V</td> </tr> <tr> <td>Protection level <i>@ In (8/20 μs)</i></td> <td>Up L/PE 20 V</td> </tr> <tr> <td>Line resistance</td> <td>< 4.7 Ohm</td> </tr> </tbody> </table>	Electrical Characteristics		Network	RS422, RS485	Nominal line voltage	Un 6 V	Max. DC operating voltage	Uc 8 Vdc	Max. frequency	f max. > 3 MHz	Insertion loss	< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 20 kA	Protection mode(s)	Common/Differential mode	Protection level <i>@ In (8/20 μs)</i>	Up L/L 20 V	Protection level <i>@ In (8/20 μs)</i>	Up L/PE 20 V	Line resistance	< 4.7 Ohm														
Electrical Characteristics																																					
Network	RS422, RS485																																				
Nominal line voltage	Un 6 V																																				
Max. DC operating voltage	Uc 8 Vdc																																				
Max. frequency	f max. > 3 MHz																																				
Insertion loss	< 1 dB																																				
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 20 kA																																				
Protection mode(s)	Common/Differential mode																																				
Protection level <i>@ In (8/20 μs)</i>	Up L/L 20 V																																				
Protection level <i>@ In (8/20 μs)</i>	Up L/PE 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>2 pairs</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>S280-06D3</td> </tr> <tr> <td>Dimensions</td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td>0.12 kg</td> </tr> <tr> <th colspan="2">Standards</th> </tr> <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> <th colspan="2">Part number</th> </tr> <tr> <td colspan="2">72771</td> </tr> </tbody> </table>	Mechanical Characteristics		Technology	GDT+Clamping diode	SPD configuration	2 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)	S280-06D3	Dimensions	See diagram	Weight	0.12 kg	Standards		Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A	Certification	UL 497B	Part number		72771	
Mechanical Characteristics																																					
Technology	GDT+Clamping diode																																				
SPD configuration	2 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)	S280-06D3																																				
Dimensions	See diagram																																				
Weight	0.12 kg																																				
Standards																																					
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																				
Certification	UL 497B																																				
Part number																																					
72771																																					

