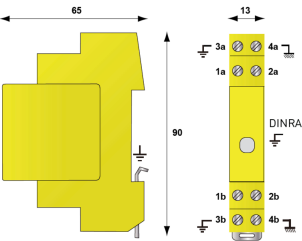
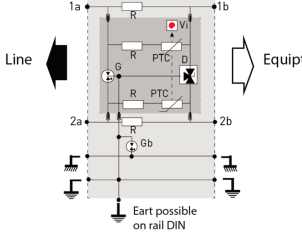


## DLAS1-12D3



- ✦ 1-pair Pluggable SPD for dataline
- ✦ Visual indicator in failsafe behaviour
- ✦ Without line cut-off
- ✦ Line voltage 12 Vdc
- ✦ Din rail mounting, Screw terminals
- ✦ IEC/EN 61643-21 and UL497B compliance



 <p>65 mm width, 90 mm height, 13 mm terminal spacing. Terminals labeled 1a, 2a, 3a, 4a, 1b, 2b, 3b, 4b. DINRAIL connection point.</p>	<b>Electrical Characteristics</b>																																								
 <p>Line (1a, 2a) and Equipotential (1b, 2b) connections. Components: G (3-electrode gas tube), Gb (2-electrode gas tube), PTC (Thermal resistor), R (Resistor), D (Clamping diode), Vi (Indicator). Earth possible on rail DIN.</p>	<table border="1"> <tr><td>Network</td><td></td><td>RS232 - RS485</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>12 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>15 Vdc</td></tr> <tr><td>Max. frequency</td><td>f max.</td><td>&gt; 3 MHz</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>300 mA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>Imax</td><td>20 kA</td></tr> <tr><td>Line inductance (± 10 %)</td><td></td><td>non</td></tr> <tr><td>Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>30 V</td></tr> <tr><td>Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</td><td>Up</td><td>30 V</td></tr> <tr><td>Impulse current 2 x 10/350μs Test - D1 Category</td><td>Iimp</td><td>5 kA</td></tr> <tr><td>Line/Line Nominal discharge current C2 Category</td><td>In L/L</td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category</td><td>In L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance (± 10%)</td><td></td><td>4.7 Ohm</td></tr> </table>		Network		RS232 - RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 Vdc	Max. frequency	f max.	> 3 MHz	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance (± 10 %)		non	Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V	Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	30 V	Impulse current 2 x 10/350μs Test - D1 Category	Iimp	5 kA	Line/Line Nominal discharge current C2 Category	In L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance (± 10%)		4.7 Ohm
Network		RS232 - RS485																																							
Nominal line voltage	Un	12 V																																							
Max. DC operating voltage	Uc	15 Vdc																																							
Max. frequency	f max.	> 3 MHz																																							
Max. load current @25°C	IL	300 mA																																							
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA																																							
Line inductance (± 10 %)		non																																							
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V																																							
Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	30 V																																							
Impulse current 2 x 10/350μs Test - D1 Category	Iimp	5 kA																																							
Line/Line Nominal discharge current C2 Category	In L/L	5 kA																																							
Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	In L/PE	5 kA																																							
Line resistance (± 10%)		4.7 Ohm																																							
	<b>ELEC</b>																																								
	<table border="1"> <tr><td>Nominal line voltage</td><td>Un</td><td>24 V</td></tr> </table>		Nominal line voltage	Un	24 V																																				
Nominal line voltage	Un	24 V																																							
	<b>Mechanical Characteristics</b>																																								
	<table border="1"> <tr><td>Technology</td><td></td><td>GDT+Clamping diode+PTC (thermal resistor) + Resistor</td></tr> <tr><td>SPD configuration</td><td></td><td>1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminal: cross section 0.5-2.5mm<sup>2</sup></td></tr> <tr><td>Format</td><td></td><td>Plug-in DIN box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</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>Opening line - transmission cut-off - fault mode 2</td></tr> <tr><td>Disconnection indicator</td><td></td><td>Visual indicator is red</td></tr> <tr><td>Spare module(s)</td><td></td><td>DLAS1M-12D3</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram</td></tr> </table>		Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor	SPD configuration		1-pair+shielded	Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>	Format		Plug-in DIN box	Mounting		Symmetrical rail 35 mm (EN 60715)	Housing material		Thermoplastic UL94 V-0	Operating temperature	Tu	-40/+85°C	Protection rating		IP20	Failsafe mode		Opening line - transmission cut-off - fault mode 2	Disconnection indicator		Visual indicator is red	Spare module(s)		DLAS1M-12D3	Dimensions		See diagram			
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor																																							
SPD configuration		1-pair+shielded																																							
Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>																																							
Format		Plug-in DIN box																																							
Mounting		Symmetrical rail 35 mm (EN 60715)																																							
Housing material		Thermoplastic UL94 V-0																																							
Operating temperature	Tu	-40/+85°C																																							
Protection rating		IP20																																							
Failsafe mode		Opening line - transmission cut-off - fault mode 2																																							
Disconnection indicator		Visual indicator is red																																							
Spare module(s)		DLAS1M-12D3																																							
Dimensions		See diagram																																							
	<b>Standards</b>																																								
	<table border="1"> <tr><td>Standards compliance</td><td></td><td>IEC 61643-21 / EN 61643-21 / UL497B</td></tr> </table>		Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B																																				
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B																																							
	<b>Part number</b> 6415021																																								