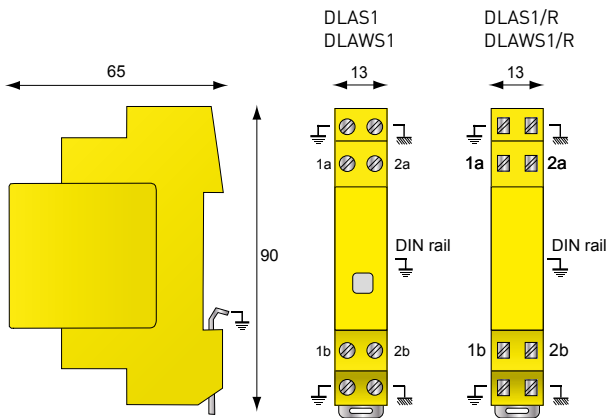


DLAS1 SERIES

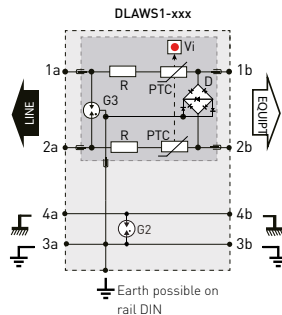
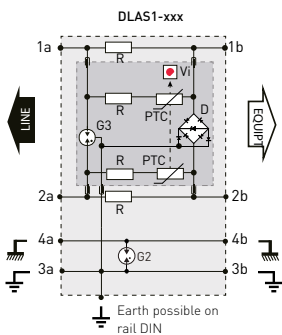


- 1-pair Pluggable SPD for dataline
- Visual indicator in failsafe behaviour
- Line voltage from 6 to 48 Vdc
- Without line cut-off (DLAS1) or with (DLAWS1)
- DIN rail mounting ,Screw or spring contact terminals
- IEC/EN 61643-21 and UL497B compliance



Characteristics

CITEL Model	DLAS1-06D3	DLAS1-12D3	DLAS1-24D3	DLAS1-48D3
Description	Telecom/Data SPD- 1-pair -DIN mounting - Pluggable			
Network	RS422	RS232, RS485	4-20 mA	ISDN-T0, 48 V line
SPD configuration	1-pair + shield	1-pair + shield	1-pair + shield	1-pair + shield
Nominal line voltage	Un 6 V	12 V	24 V	48 V
Max. DC operating voltage	Uc 8 V	15 V	28 V	53 V
Max. Load current	IL 300 mA	300 mA	300 mA	300 mA
Max. frequency	f max > 3 MHz	> 3 MHz	> 3 MHz	> 3 MHz
Insertion loss @ fmax	< 1 dB	< 1 dB	< 1 dB	< 1 dB
Nominal discharge current <i>10 x 8/20µs Test - C2 Category</i>	In 5 kA	5 kA	5 kA	5 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax 20 kA	20 kA	20 kA	20 kA
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	limp 5 kA	5 kA	5 kA	5 kA
Protection level (X-X) <i>300 x 10/1000µs Test - C3 Category @10A</i>	Up 20 V	30 V	40 V	70 V
Protection level (X-C) <i>300 x 10/1000µs Test - C3 Category @10A</i>	Up 650 V	650 V	650 V	650 V
Line resistance (+/- 10%)	4.7 ohms	4.7 ohms	4.7 ohms	4.7 ohms
Failsafe behaviour	Opening line + indication			
SIL (Safety Integrity Level)	SIL 3	SIL 3	SIL 3	SIL 3



G3: 3-electrode gas tube
 G2: 2-electrode gas tube
 PTC: Thermal resistor
 R: Resistor
 D: Clamping diode
 Vi: Failure Indicator

Mechanical characteristics				
Dimensions	see diagram			
Format	Plug-in DIN box			
Connection to Network	screw terminal - cross section 0.5-2.5 mm ²			
End of life	transmission interrupt - default mode 2			
Disconnection indicator	Red indicator			
Mounting	Symmetrical rail 35 mm (EN60715)			
Operating temperature	-40/+85°C			
Protection rating	IP20			
Housing material	Thermoplastic UL94 V-0			
Spare module	DLAS1M-06D3	DLAS1M-12D3	DLAS1M-24D3	DLAS1M-48D3
Version	DLAS1-xxx: standard version - screw terminal DLAS1-xxx/R: spring contact terminal version DLAWS1-xxx: specific version with line cut-off in case of removal plug-in module DLAWS1-XXX/R: spring contact terminal version			

Standards	
Compliance	IEC 61643-21 / EN 61643-21 / UL497B

Part number				
DLAS1-xxx version	6415011	6415021	6415031	6415041
DLAS1-xxx/R version	6415014	6415024	6415034	6415044
DLAWS1-xxx version	6419011	6419021	6419031	6419041
DLAWS1-xxx/R version	6419014	6419024	6419034	6419044