

DIN RAIL PLUG-IN SURGE PROTECTOR FOR DATALINE/TELECOM

DLA SERIES



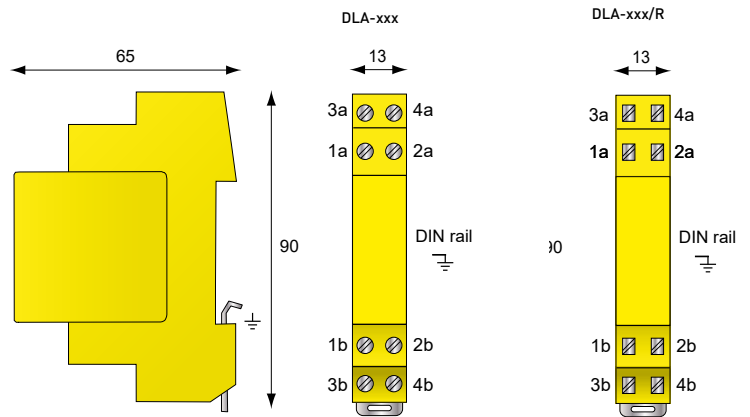
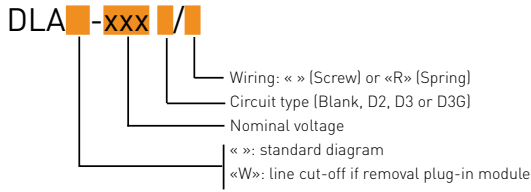
- Pluggable surge protection for «DIN» mounting
- All types of Telephone and Data lines
- Shield wire protection
- Screw (DLA) or spring contact (DLA/R) terminals
- Without line cut-off (DLA) or with (DLAW)
- IEC 61643-21 compliance
- UL497B approved



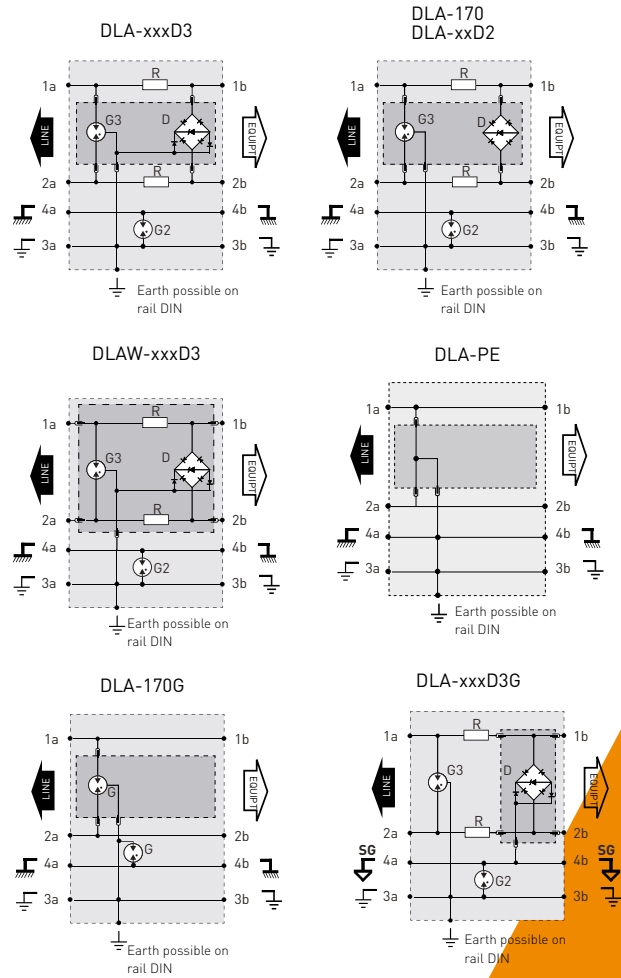
Characteristics

CITEL Model		DLA-170G	DLA-170	DLA-06D3	DLA-12D3	DLA-24D3	DLA-48D3	DLA-06D2	DLA-24D2	
Description		Telecom/Data SPD- 1-pair DIN mounting - Pluggable								
Network		Telephone line, ADSL2, VDSL2, SHDSL G.FAST (212 MHz)	Telephone line, ADSL2, VDSL G.FAST (106 MHz)	RS422	RS232 RS485	4-20 mA	ISDN-T0, 48 V line	RS422	4-20mA	
SPD configuration		1-pair+shield	1-pair+shield	1-pair+shield	1-pair+shield	1-pair+shield	1-pair+shield	1-pair+shield	1-pair+shield	
Nominal line voltage	Un	150 V	150 V	6 V	12 V	24 V	48 V	6 V	24 V	
Max. DC operating voltage	Uc	170 V	170 V	8 V	15 V	28 V	53 V	8 V	32 V	
Max. Load current	IL	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	600 mA	600 mA	
Max. frequency	f max	> 200 MHz	> 115 MHz	> 115 MHz	> 115 MHz	> 115 MHz	> 115 MHz	> 75 MHz	> 75 MHz	
Insertion loss @ fmax		< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 3 dB	
Nominal discharge current 10 x 8/20µs Test - C2 Category	In	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	
Impulse current (X-C) 2 x 10/350µs Test - D1 Category	Iimp	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	
Protection level (X-C) 300 x 10/1000µs Test - C3 Category @ 10A	Up	750 V	220 V	20 V	30 V	40 V	70 V	650 V	650 V	
Protection level (X-X) 300 x 10/1000µs Test - C3 Category @ 10A	Up	750 V	220 V	20 V	30 V	40 V	70 V	30 V	60 V	
Line resistance (+/-10%)		0.05 ohms	4.7 ohms	4.7 ohms	4.7 ohms	4.7 ohms	4.7 ohms	2.0 ohms	2.0 ohms	
Failsafe behaviour		Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	
SIL (Safety Integrity Level)		-	-	-	-	-	-	SIL 3	SIL 3	
Mechanical characteristics										
Dimensions		see diagram								
Format		Plug-in DIN box								
Connection to Network		DLA-xxx: screw terminal - cross section 0.5-2.5 mm ² DLA-xxx/R: spring terminal - cross section 0.5-2.5 mm ²								
Disconnection indicator		transmission interrupt - Default Mode 2								
Mounting		Symmetrical rail 35 mm [EN60715]								
Operating temperature		-40/+85°C								
Protection rating		IP20								
Housing material		Thermoplastic UL94 V-0								
Spare module		DLAM-170G	DLAM-170	DLAM-06D3	DLAM-12D3	DLAM-24D3	DLAM-48D3	DLAM-06D2	DLAM-24D2	
Versions		DLA-xxx: standard version (line continuity in case of removal of plug-in module) - screw terminal DLA-xxx/R: standard version with spring contact terminal DLAW-xxx: specific version with line cut-off in case of removal plug-in module. DLA-PE: grounding version								
Standards										
Compliance		IEC 61643-21 / EN 61643-21 / UL497B								
Part number										
DLA range		640165	6406011	6401011	6402011	6403011	6403021	6401611	6401361	
DLA/R range		-	6401054	6401014	6402014	6401034	6403024	-	-	
DLAW range		-	640805	640801	640802	640803	640804	-	-	

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DLA-06D3G	DLA-12D3G	DLA-24D3G	DLA-48D3G
RS422	RS232 RS485	4-20mA	ISDN-T0 48 V line
1-pair+shield + signal ground 6 V	1-pair+shield + signal ground 12 V	1-pair+shield + signal ground 24 V	1-pair+shield + signal ground 48 V
750 mA	750 mA	750 mA	750 mA
> 80 MHz < 3 dB	> 80 MHz < 3 dB	> 80 MHz < 3 dB	> 80 MHz < 3 dB
5 kA	5 kA	5 kA	5 kA
20 kA	20 kA	20 kA	20 kA
2.5 kA	2.5 kA	2.5 kA	2.5 kA
650 V	650 V	650 V	650 V
30 V	40 V	60 V	90 V
1.5 ohms	1.5 ohms	1.5 ohms	1.5 ohms
Short-circuit -	Short-circuit -	Short-circuit -	Short-circuit -
DLAM-06D3G	DLAM-12D3G	DLAM-24D3G	DLAM-48D3G
640191	640192	640193	640194
-	-	-	-
-	-	-	-



G3: 3-electrode gas tube
G2: 2-electrode gas tube
R: Resistor
D: Clamping diode