

D1xL1F PA Loudspeaker 15W

The D1xL1F is a 15W PA loudspeaker with re-entrant flare horn. A high SPL in a robust Type 4/4X, IP66 marine grade, corrosion proof aluminium enclosure ensures suitability for all Class I & II Div 1 & Zone 1, 20 and 21 explosion proof applications.

The re-entrant flare horn is high impact, fire retardant thermoplastic and is field replaceable – the driver employs a standard 1 3/8" -18 male thread coupling. All models have triple cable entries and duplicated terminals..

The large termination chamber and cover feature a threaded flameproof joint simplifying both installation and routine maintenance.

Features

- Multiple transformer tapings
- Field replaceable flare component
- Ratchet adjustable 316 stainless steel bracket
- Triple cable entries
- Robust marine grade aluminium enclosure
- Duplicated cable terminations

Approvals

- UL/cUL File ref: E230764
- IECEx Certificate: IECEx ULD 19.0008X
- ATEX Certificate: DEMKO 19 ATEX 2141X
- CSFM listing: 7136-2279:0504
- UKCA certificate: UL21UKEX2132X

Coding

- NEC Class Div
Class I Div 1 Group ABCD T5 Ta -55°C to +85°C (T6 +65°C)
 - CEC Class Div
Class I Div 1 Group ABCD T5 Ta -55°C to +75°C (T6 +65°C)
 - NEC Class Zone
Class I Zone 1 AEx db IIC T5 Gb Ta -55°C to +75°C (T6 +60°C)
Zone 21 AEx tb IIIC T90°C Db Ta -55°C to +75°C
 - CEC Class Zone
Ex db IIC T5 Gb Ta -55°C to +75°C (T6 +60°C)
Ex tb IIIC T90°C Db Ta -55°C to +75°C
 - IECEx / ATEX
II 2G Ex db IIC T5 Gb Ta -55°C to +75°C (T6 +60°C)
II 2D Ex db IIIC T92°C Db Ta -55°C to +75°C
 - Product version: D
 - NEC & CEC Class Div
Class II Div 1 Group FG T6 Ta -40°C to +70°C
Class III Div 1 Ta -40°C to +70°C
Zone 20 IIIB T6 Ta -40°C to +70°C
 - NEC Class Zone (R008 & R016 only)
Zone 21 AEx tb IIIC T90°C Db Ta -55°C to +75°C
 - CEC Class Zone (R008 & R016 only)
Ex tb IIIC T90°C Db Ta -55°C to +75°C
- See product manual for full product specific coding.



Specification

Product version A	106dB +/-3dB @ 1W @ 1m (Pink)
SPL:	113dB +/-3dB @ 15W @ 1m (Rated) 115dB(A) @ 1 m at 1.4Khz (Max)
Product version D	88dB +/-3dB @ 1W @ 1m (Pink)
SPL:	93dB +/-3dB @ 15W @ 1m (Rated) 98dB(A) @ 1 m at 1.4Khz (Max)
Rated power:	15 Watts RMS
70v line tapings:	15W/7.5W/3W/1W (z=336.67 Ohms/653.33 Ohms/1.6k Ohms/4.9k Ohms)
100v line tapings:	15W/7.5W/3W/1W (z=666.87 Ohms/1.34k Ohms/3.34k Ohms/10k Ohms)
Low impedance:	8 Ohm or 16 Ohm
Directivity Index:	6.2 @ 1kHz & 16.0 @ 4kHz [dB on-axis]
Frequency range:	400Hz to 8000 Hz
DC Line monitoring:	2.2µF Capacitor (Transformer) 470µF Capacitor (Low impedance)
Ingress protection:	EN60529: IP66 UL50E / NEMA250: 4 / 4X / 3R / 13
Enclosure material:	Marine grade LM6 aluminium alloy
Enclosure colour:	Red or Grey, custom colours available on request
Enclosure finish:	Chromate & powder coated finish
Cable entries:	1x1/2"NPT & 2xM20 Thread adaptors available
Stopping plugs:	Brass, Nickel Plated or Stainless Steel
Terminals:	0.5 - 2.5mm ² (20-14 AWG) Duplicated terminals
Grounding stud:	M5
Enclosure volume:	<2 litres
Product version A	NEC: -55° to +85°C [-67° to +185°F]
Installation temp:	CEC/IECEX/ATEX: -55° to +75°C [-67° to +167°F]
Product version D	NEC Class Div: -40° to +70°C [-40° to +158°F]
Installation temp:	NEC Class Zone, CEC Class Div/Zone: -55° to +75°C [-67° to +167°F]
Storage temp:	-55° to +85°C [-67° to +185°F]
Relative humidity:	95% - Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist
Weight:	100V/70V line: 4.3kg/9.5lbs Low imp.: 4.0kg/8.7lbs

Part Codes

Part Code:	Identifier:	Description:
Product type:	D1xL1	D1xL1 15W Loudspeaker
Horn type:	F	Flare re-entrant horn
Type:	V100 V070 R008 R016	100V Line Transformer 70V Line Transformer 8 Ohm Low impedance 16 Ohm Low impedance
Cable entries:[e]	A B C D F G	2 x M20x1.5mm & 1 x 1/2"NPT 2 x 1/2"NPT - adaptors 2 x 3/4"NPT - adaptors 2 x M25x1.5mm - adaptors 1 x 3/4"NPT - adaptor 1 x M25x1.5mm - adaptor
	Note:	All entries, excluding thread adaptors, supplied with stopping plugs installed.
Stopping plug/ adaptor material: [m]	B N S	Brass Nickel plated brass Stainless steel
Bracket material: [s]	1 3	A4 316 Stainless Steel A4 316 St/St with Equip. Tag
Product version: [v]	A D	UL, cUL, IECEx, ATEX, CSFM Class II - UL, cUL (excluding 100V)
Product option: [o]	1 T X	Standard product Tropicalisation Custom configuration - contact E2S
Enclosure colour: [x]	R G S	Red Grey Special colour - contact E2S

Accessories:

SP65-0001-A4	Pole Mount Bracket Kit 2" St/St A4 (316)
SP65-0003-A4	Sunshade - St/St A4 (316)

