D1xL2F PA Loudspeaker 25W



The D1xL2F is a 25W 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 tappings
- 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 +60°C)

• CEC Class Div

Class I Div 1 Group ABCD T5 Ta -55°C to +75°C (T6 +60°C)

• NEC Class Zone

Class I Zone 1 AEx db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C) Zone 21 AEx tb IIIC T91°C Db Ta -55°C to +75°C

CEC Class Zone

Ex db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C)

Ex tb IIIC T91°C Db Ta -55°C to +75°C

• IECEx / ATEX

II 2G Ex db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C, T6 +55°C)
II 2D Ex db IIIC T98°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 T95°C Db Ta -55°C to +75°C

CEC Class Zone (R008 & R016 only)

Ex tb IIIC T95°C Db Ta -55°C to +75°C

See product manual for full product specific coding.



















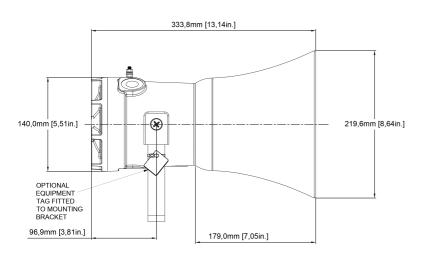
Specification

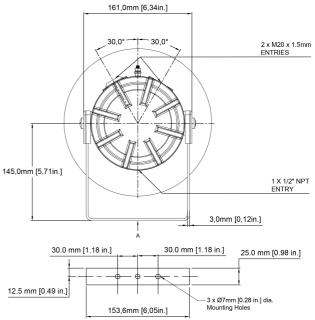
Product version A 108dB +/-3dB @ 1W @ 1m (Pink) SPL: 118dB +/-3dB @ 25W @ 1m (Rated) 123dB(A) @ 1 m at 1.4Khz (Max) Product version D 89dB +/-3dB @ 1W @ 1m (Pink) SPL: 97dB +/-3dB @ 25W @ 1m (Rated) 108dB(A) @ 1 m at 1.4Khz (Max) Rated power: 25 Watts RMS 70v line tappings: 25W/12.5W/6W/2W tappings (z=196 Ohms/392 Ohms/816.67 Ohms/2.45k Ohms) 100v line tappings: 25W/12.5W/6W/2W tappings (z=400 Ohms/800 Ohms/ 1.67k Ohms/5k Ohms) Low impedance: 8 Ohm or 16 Ohm Directivity Index: 7.6 @ 1kHz & 17.6 @ 4kHz [dB on-axis] Frequency range: 300Hz to 8000 Hz DC Line 2.2µF Capacitor (Transformer) 470µF Capacitor (Low impedance) monitoring: Ingress protection: EN60529: IP66 UL50E / NEMA250: 4 / 4X / 3R / 13 Enclosure Marine grade LM6 aluminium alloy material: Enclosure colour: Red or Grey, custom colours available on request Enclosure finish: Chromate & powder coated finish Cable entries: 1×1/2"NPT & 2xM20 Thread adaptors available Brass, Nickel Plated or Stainless Steel Stopping plugs: Terminals: 0.5 - 2.5mm² (20-14 AWG) Duplicated terminals Grounding stud: 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] -55° to +85°C [-67° to +185°F] Storage temp: Relative humidity: 95% - Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist Weight: 100V/70V line: 4.5kg/9.9lbs

Low imp.: 4.2kg/9.1lbs

Part Codes

Part Code:	Identifier	: Description:
Product type:	D1xL2	D1xL2 25W Loudspeaker
Horn type:	F	Flare re-entrant horn
Туре:	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 Note:	$2 \times M20x1.5 mm \& 1 \times 1/2"NPT$ $2 \times 1/2"NPT - adaptors$ $2 \times 3/4"NPT - adaptors$ $2 \times 3/4"NPT - adaptors$ $2 \times M25x1.5 mm - adaptors$ $1 \times 3/4"NPT - adaptor$ $1 \times M25x1.5 mm - adaptor$ 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 SP65-0003-A4		Pole Mount Bracket Kit 2" St/St A4 (316) Sunshade – St/St A4 (316)





SCRAP VIEW IN DIRECTION 'A'