d:screet™ SC4098 Supercardioid Microphone

For podium/table/hanging/floor stand applications

DPA
MICROPHONES

Key features

- Outstanding audio quality – clarity of voice
- Highly directional – very isolated
- High rejection of radio frequency interference
- Sturdy and sleek Scandinavian design
- Wireless capability
- Rejection of handling noise

Configurations

The d:screet™ SC4098 Supercardioid Microphone is available in many variants.

Color: black or white

Connector: XLR or MicroDot

The MicroDot connector can be used with a wireless adapter to connect with a professional wireless system. Choose from our extensive range of adapters to find the right fit. The DAD6001 adapter connects the MicroDot connector to an XLR connector.

Specifications

Directional pattern
Supercardioid

Principle of operation
Pressure gradient

Cartridge type
Pre-polarized condenser

Frequency range
20 Hz - 20 kHz

Frequency range, ±2 dB, 20 cm (8 in) distance
80 Hz – 15 kHz with 3 dB soft boost at 8-15 kHz)

Sensitivity, nominal, ±3 dB at 1 kHz
16 mV/Pa; -36 dB re. 1 V/Pa

Equivalent noise level, A-weighted
Typ. 23 dB(A) re. 20 µPa (max. 26 dB(A))

Equivalent noise level, ITU-R BS.468-4
Typ. 35 dB

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)
Typ. 71 dB(A)

Total harmonic distortion (THD)
< 1% up to 125 dB SPL peak

Dynamic range
Typ. 102 dB

Max. SPL, peak before clipping
135 dB

Output impedance
From MicroDot: 30 - 40 Ω. From DAD6001 adapter or XLR variant: 100 Ω

Cable drive capability
Up to 300 m (984 ft) with DAD6001 adapter or XLR variant

Output balance principle
Signal balanced with DAD6001 XLR Adapter or XLR variant

Common mode rejection ratio (CMRR)
>60 dB from 50 Hz to 15 kHz with DAD6001 XLR Adapter or XLR variant

Power supply (for full performance)
Min. 5 V to max. 50 V through DPA adapter for wireless systems.
48 V phantom power ±4 V with DPA XLR adapter or XLR variant

Current consumption
Typ. 1.5 mA (microphone). 3.5 mA with DAD6001 XLR adapter or XLR variant

Polarity
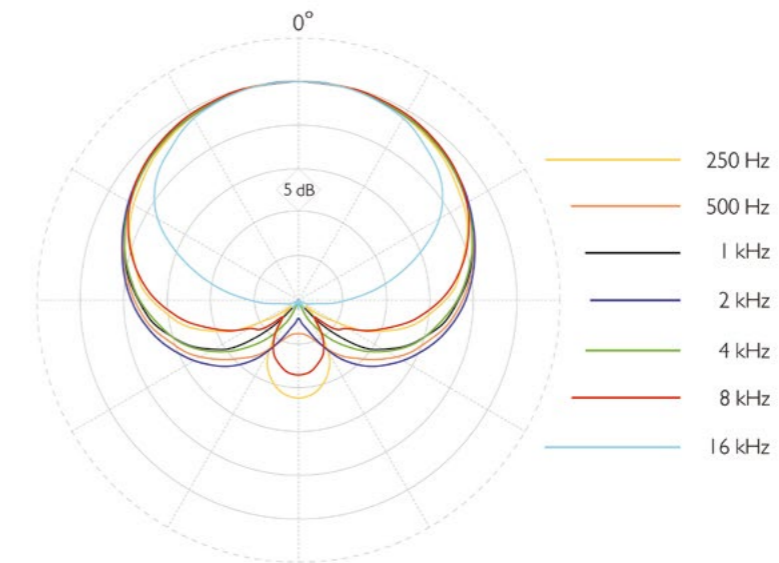+V at MicroDot pin for positive sound pressure
(and pin 2 on DAD6001 XLR Adapter or XLR variant)
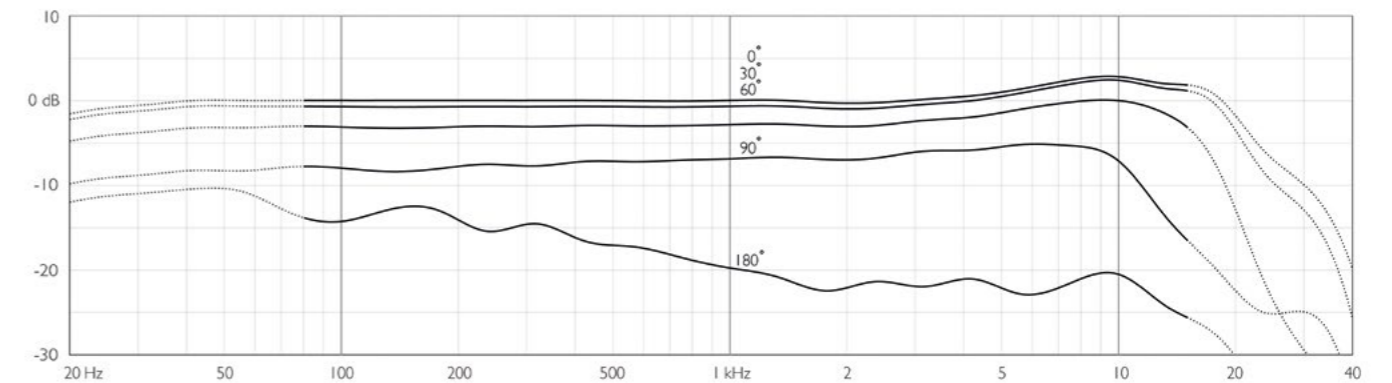
Temperature range
-40°C to 45°C (-40°F to 113°F)
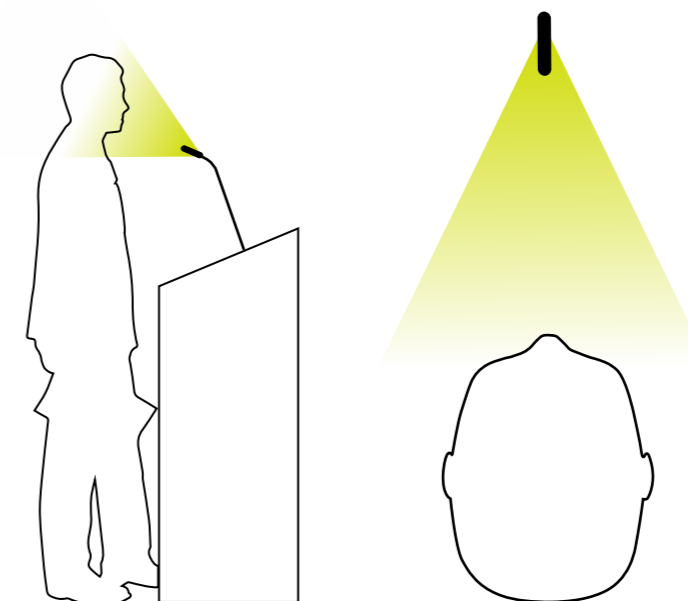
Relative humidity (RH)
Up to 90%

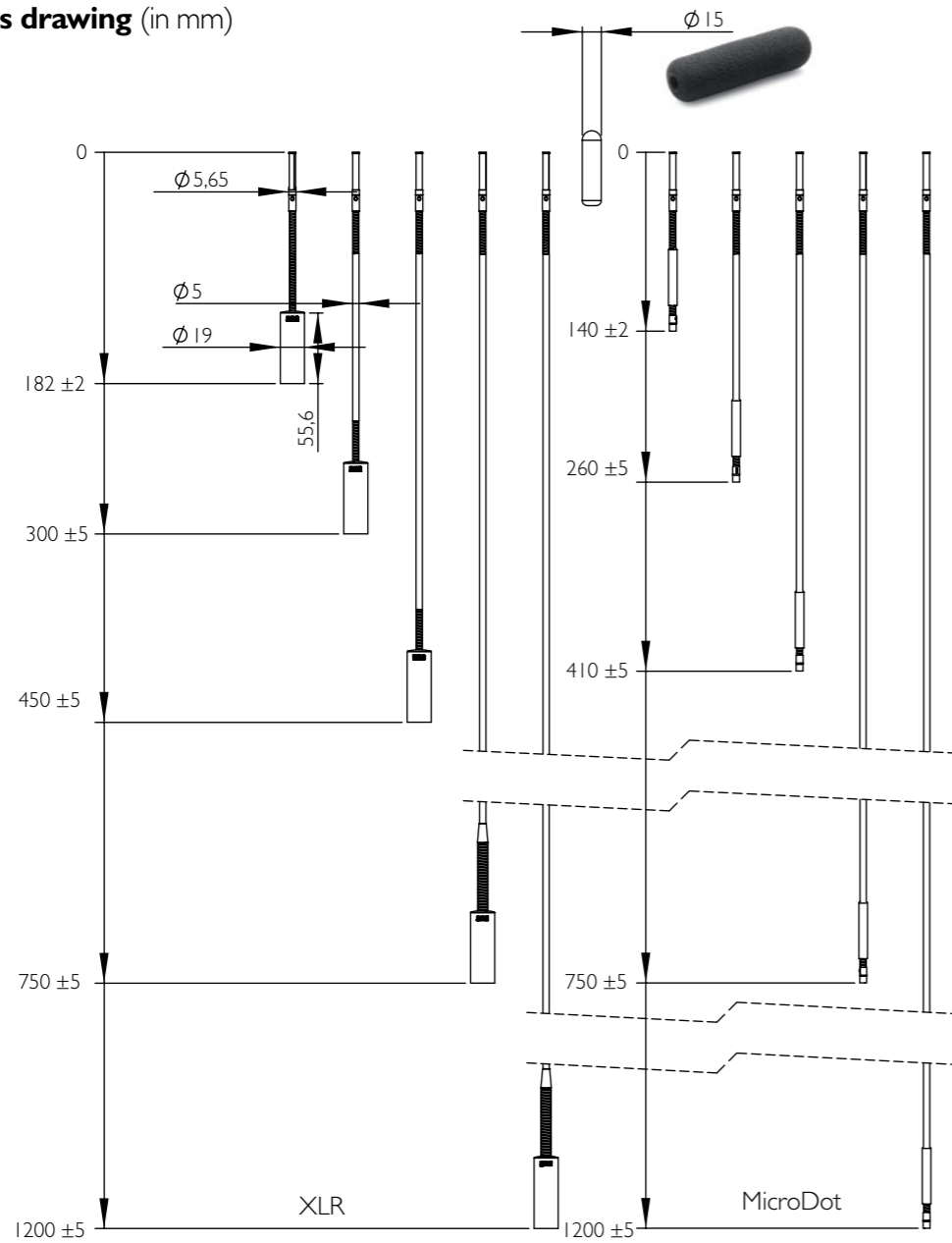Typical directional characteristics of a d:screet™ SC4098 Supercardioid Microphone

Typical on- and off-axis response of a d:screet™ SC4098 Supercardioid Microphone measured at 20 cm (8 in)

Coverage area

Dimensions drawing (in mm)

XLR

MicroDot

Connector	Color	Length of a d:screet™ SC4098 Supercardioid Microphone				
		16 cm (6 in)	28 cm (11 in)	43 cm (17 in)	77 cm (30 in)	122 cm (48 in)
MicroDot	Black	✓	✓	✓	✓	✓
MicroDot	White	✓	✓	✓		
		20 cm (8 in)	32 cm (13 in)	47 cm (18 in)	77 cm (30 in)	122 cm (48 in)
XLR-3M	Black	✓	✓	✓	✓	✓
XLR-3M	White	✓	✓	✓		

Accessories included

DUA0580B Foam Windscreen, black or DUA0580W Foam Windscreen, white

Optional accessories

For podium/table/hanging/floor stand applications

- DUA0580B Foam Windscreen, black
- DUA0580W Foam Windscreen, white
- Adapters for wireless applications (for MicroDot variants only)
- DAD6001-BC MicroDot to 3 pin XLR adapter (for MicroDot variants only)
- CM2250B00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 5 m (16.4 ft), black
- CM22100B00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 10 m (32.8 ft), black
- CM22200B00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 20 m (65.6 ft), black
- CM2218W00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 1.8 m (5.9 ft), white
- CM2250W00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 5 m (16.4 ft), white
- CM22100W00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 10 m (32.8 ft), white
- CM22200W00 MicroDot Extension Cable, 2.2 mm (0.09 in) diameter, 120 m (65.6 ft), white

For podium/table/floor stand applications only

- TSM4001 Table Shock Mount *See drawing on page 6
- KM29375 K&M Table Base with switch
- KM29376 K&M Table Base
- CMX2218B00 Miniature MicroDot Cable for Table Shock Mount (TSM4001)
- SC4098-BX-FGS Floor Stand with 120 cm (47 in) Boom
- SC4098-BX-FJS Floor Stand with 75 cm (30 in) Boom

DUA0580 Foam Windscreen

Adapters for wireless applications

DAD6001-BC MicroDot to 3 pin XLR adapter

CM2218B00 MicroDot Extension Cable

TSM4001 Table Shock Mount
*See drawing on page 6

KM29376 K&M Table Base
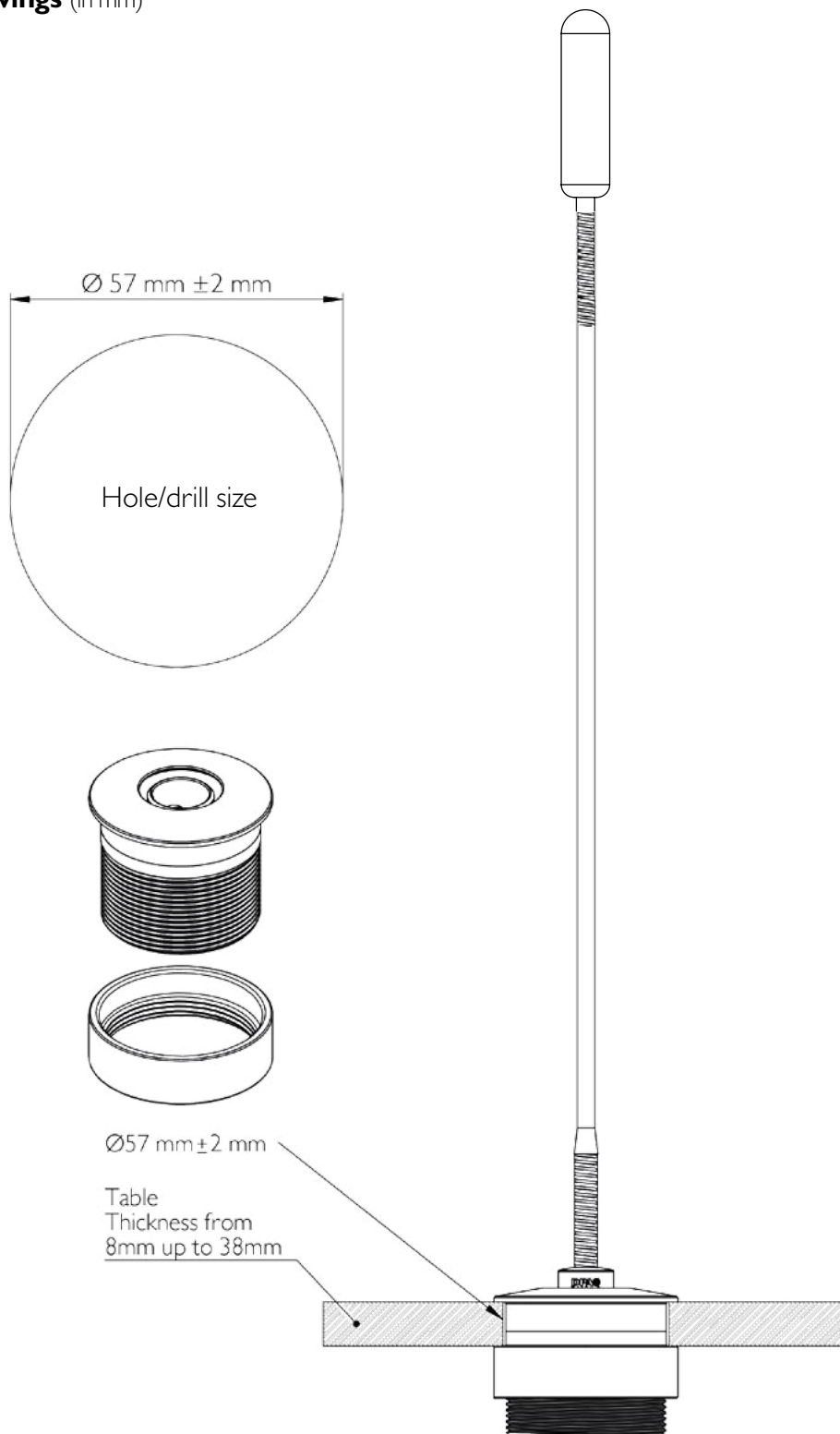

CMX2218B00 Miniature MicroDot Cable

SC4098-BX-FGS
Floor Stand with 120 cm (47 in) Boom

SC4098-BX-FJS
Floor Stand with 75 cm (30 in) Boom

TSM4001   Table Shock Mount

Dimension drawings (in mm)

Ø 57 mm ±2 mm

Hole/drill size

Ø57 mm±2 mm

Table
Thickness from
8mm up to 38mm

The Table Shock Mount is a fixed microphone mount that offers the best shock rejection available of any integrated podium/table mount. It is optimized for the weight and dimensions of our d:screet™ and d:dicate™ Microphones and mic boom poles.

Vertical softness absorbs handling vibration. Horizontal movements are controlled to prevent the podium boom from touching the mount.

The Table Shock Mount is designed to match the sleek Scandinavian look of our d:screet™ and d:dicate™ Microphones.