

SHIPSONIC 20 Technical Specifications

1. Elektrical characteristics:

Input:

AC version:

100-240Volt ~ average 5VA (45VA peak)

47-63 Herz

DC version:

12- Volt ~ 220 mA (3A peak)

24-Volt ~ 115 mA (1,6A peak)

Consumption: average 11 Watt

Output:

450 – 800 Volt pp ¹

20-500000 kHz ²

2. Material characteristics:

Transducer housing:

PVC Norm: Din 8062. Komo, Kiwa

Diameter total 85 mm, height 115 mm

Transducer aluminium:

IP Norm: IP67

Temperatuur statisch: -40°C tot + 60°C

Temperatuur dynamisch: -20°C tot +50°C

¹ Dependent on frequency and programming.

² Frequency depends on programming.

3. Cable:

H07 RN-F 3G 0,75 standard

Conductor: Class 5 flexible plain copper to BS EN 60228:2005 (previously BS6360)

Insulation: EPR (Ethylene Propylene Rubber) Type EI4 to BS7655

Sheath: PCP (Polychloroprene) Type EM2 to BS7655

Sheath Colour: Black

Voltage Rating: 450/750V

Temperature Rating: Conductor operating temperature -30°C to +60°C (85°C max)

4. Housing

Material: ABS, CUL listed

Dimensions 130 x 180 x 61 mm

Boreplan 121 x 121 mm, max diam. Screw 4,5 mm.

IP66/67

Temperature static: -40 tot +80°C

Temperature dynamic: -40 tot +60°C

Classificaton fire resisting: UL94HB

Filament test 650°C, IEC 695-2-1, self extinguish

Elektrical isolation: full isolation

5. Connectors

Male kabelconnector: Screw-locking

Termination: solder

Wire gauge (mm): 0,75 mm²

Wire gauge (AWG): 20

Cable outlet: 6 - 8 mm

Degree of protection: IP 67

Mechanical operation: >500 mating cycles

Upper temperature: 95°C
Lower temperature: – 30°C
Rated voltage: 250V
Rated impulse voltage: 1500V
Pollution degree: 1
Overvoltage category: 1
Material group: III
Rated current (40°C): 7 A
Volume resistivity: < 5 mΩ
Material of contact: CuZn (brass)
Contact plating: Ag (silver)
Material of contact body: PBT (UL 94 V-0)
Material of housing: PA (UL 94 HB)
All parts are ROHS compliant

Female socket:

Cable Connector
Connector with screw locking according to IEC 60130-9
Degree of protection IP 67
Precision metal construction
Easy assembly
Excellent EMC shielding (versions with shielding rings 360°)
Internal strain relief
Versions with shielding rings or cable clamp

6. General characteristics

Temperatuur statisch: -40 tot +60°C
Temperatuur dynamisch: -20 tot +50°C
Installatiediepte -10 cm tot -10 meter
Standard cable length: 5 meter, maximum cable length 20 meter

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