

Monoblock buzzers



LPC ZS...



LPC ZS...IP

| Order code | Voltage | Sound intensity at 2800Hz | Qty per pkg. | Wt |
|------------|---------|---------------------------|--------------|------|
| | [V] | [dB/10cm] | n° | [kg] |

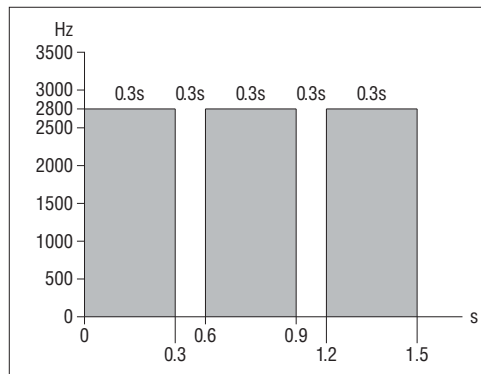
Continuous or pulse tone, IP40 version.

| | | | | |
|---------|-----------------|----|---|-------|
| LPC ZSA | 9...15VAC/DC | 90 | 1 | 0.020 |
| LPC ZSB | 18...30VAC/DC | 90 | 1 | 0.020 |
| LPC ZSE | 85...140VAC/DC | 90 | 1 | 0.020 |
| LPC ZSM | 185...265VAC/DC | 90 | 1 | 0.020 |

Continuous or pulse tone, IP66, IP67, IP69K, UL Type 4X version.

| | | | | |
|-----------|-----------------|----|---|-------|
| LPC ZSAIP | 9...15VAC/DC | 80 | 1 | 0.020 |
| LPC ZSBIP | 18...30VAC/DC | 80 | 1 | 0.020 |
| LPC ZSEIP | 85...140VAC/DC | 80 | 1 | 0.020 |
| LPC ZSMIP | 185...265VAC/DC | 80 | 1 | 0.020 |

Pulse-tone sound graph



USB and RJ45 communication interfaces



LPC D01



LPC D05

new

new

| Order code | Description | Qty per pkg. | Wt |
|--------------|---|--------------|-------|
| | | n° | [kg] |
| LPC D01 | USB interface, A/A female type connection | 1 | 0.018 |
| LPC D01 L050 | USB interface, A/A female connection with 0.5m long cable | 1 | 0.050 |
| LPC D01 L100 | USB interface, A/A female connection with 1m long cable | 1 | 0.080 |
| LPC D03 | USB interface, A/B female type connection | 1 | 0.018 |
| LPC D05 | USB interface, B/A female type connection | 1 | 0.018 |
| LPC D06 | RJ45 interface, Ethernet connection type | 1 | 0.026 |
| LPC D06 L100 | RJ45 interface, Ethernet connection with 1m long cable | 1 | 0.090 |

General characteristics

Monoblock buzzers are used as sound indicators in automation systems and on-board machinery in the production processes. Long life, low consumption values, compact size and the use of materials, in accordance with the North American market, are the main features of this product.

Operational characteristics

- Rated frequency: 50...60Hz
- Supply voltage: 9...15VAC/DC, 18...30VAC/DC, 85...140VAC/DC, 185...265VAC/DC
- Maximum absorption: 20mA-0.30W (type 9...15VAC/DC), 15mA-0.40W (type 18...30VAC/DC), 5.5mA-0.80W (type 85...140VAC/DC), 3.5mA-0.95W (type 185...265VAC/DC)
- Minimum activation voltage: >4V (type 9...15VAC/DC), >8V (type 18...30VAC/DC), >15V (type 85...140VAC/DC), >25V (type 185...265VAC/DC)
- Impulse withstand voltage U_{imp} : 4kV
- Installed through a Ø22mm/Ø0.87" drilling with a threaded fixing ring ($T_{max} = 2.3Nm/1.69lbf$) also on the cover of LPZ control stations
- Service life: 30,000 hours (permanently powered)
- Side cable entry
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protection (type LPC ZS...IP):
 - per IEC/EN: IP66, IP67, IP69K on front and IP20 at rear
 - per UL: Type 1, 2, 3R, 4, 4X, 12, 12K on front.

Materials

Polyamide.

Maximum conductor cross section

Screw terminal connections with three separate connections:

- Min. cable 0.5mm² / AWG24
- Max. cable 2.5mm² / AWG14
- Maximum tightening torque: 0.5Nm/0.37lbf
- Flat-head screwdriver: 0.6x3.5mm/0.02x0.14"

Certifications and compliance

Certifications obtained: cULus, EAC, CCC (pending), RINA (pending).
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.

General characteristics

USB and RJ45 communication interface connectors are used in industrial environments, which in recent years have seen an increase in the number of connections between machines, production lines, equipment and measuring instruments. These interfaces provide the transmission of data in both directions between the various devices.

Operational characteristics

- Rated insulation voltage for LPCD01, LPCD03, LPCD05: 5VAC/DC
- Rated insulation voltage for LPCD06: 24VAC
- Interface mechanical endurance: ≥750 insertions
- Installed through a Ø22mm/Ø0.87" drilling with a threaded fixing ring ($T_{max} = 2.3Nm/1.69lbf$) also on the cover of LPZ control stations
- Transmission characteristics for LPCD01, D03, D05: 5Gbps (625MB/sec)
- Transmission characteristics for LPCD06: 10 Gigabit Ethernet IEEE 802.3an-2006
- Rated current for LPCD01, LPCD03, LPCD05: 1.8A
- Rated current for LPCD06: 1.5A
- Insulation resistance: ≥100MΩ
- Contact resistance for LPCD01, LPCD03, LPCD05: ≤30mΩ
- Contact resistance for LPCD06: ≤40mΩ
- USB connector class: 3.0 (backward compatible with USB class 2.0)
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protection:
 - Per IEC/EN: IP65 on front (with cap mounted)
 - Per IEC/EN: IP20 at rear
 - Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K on front (with cap mounted)

Materials

Polyamide.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC (pending), RINA (pending).
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.