

230 Serie

Audio optical **indicators**



The acoustic signalling, like the optical one, is used to communicate messages to operator.

Optical audio panel-mounted indicators are distinguished because of their **great surrender**, their continuous operation and **low power**.

230 serie includes a wide range of **piezoelectric** and **magnetic buzzer** for panel-mounting.

The connection is with screw terminals to facilitate installation.

Technical features



Compliance

Directive CEE 2014/35 Low voltage - Directive CEE 2014/30

Electromagnetic compatibility - Directive CEE 2006/42 Machinery

Conformity to standards

EN 60947.5.1 - EN 60204.1 - EN 60073 - EN 60529 -

EN 60068.2.6 - EN60068-2-27 - EN ISO 7731 - EN 981 - IEC 536

Material

Polycarbonate (PC) / ABS

Sound frequency and power

+/- 3500 Hz - 78 dB

Operating temperature

- 20° C + 50° C (12V 40°C)

Approvals

UL, CSA, CE

Resistance to vibrations

Min 2 days (10-150 Hz) accordance EN 60068-2-6.

Light

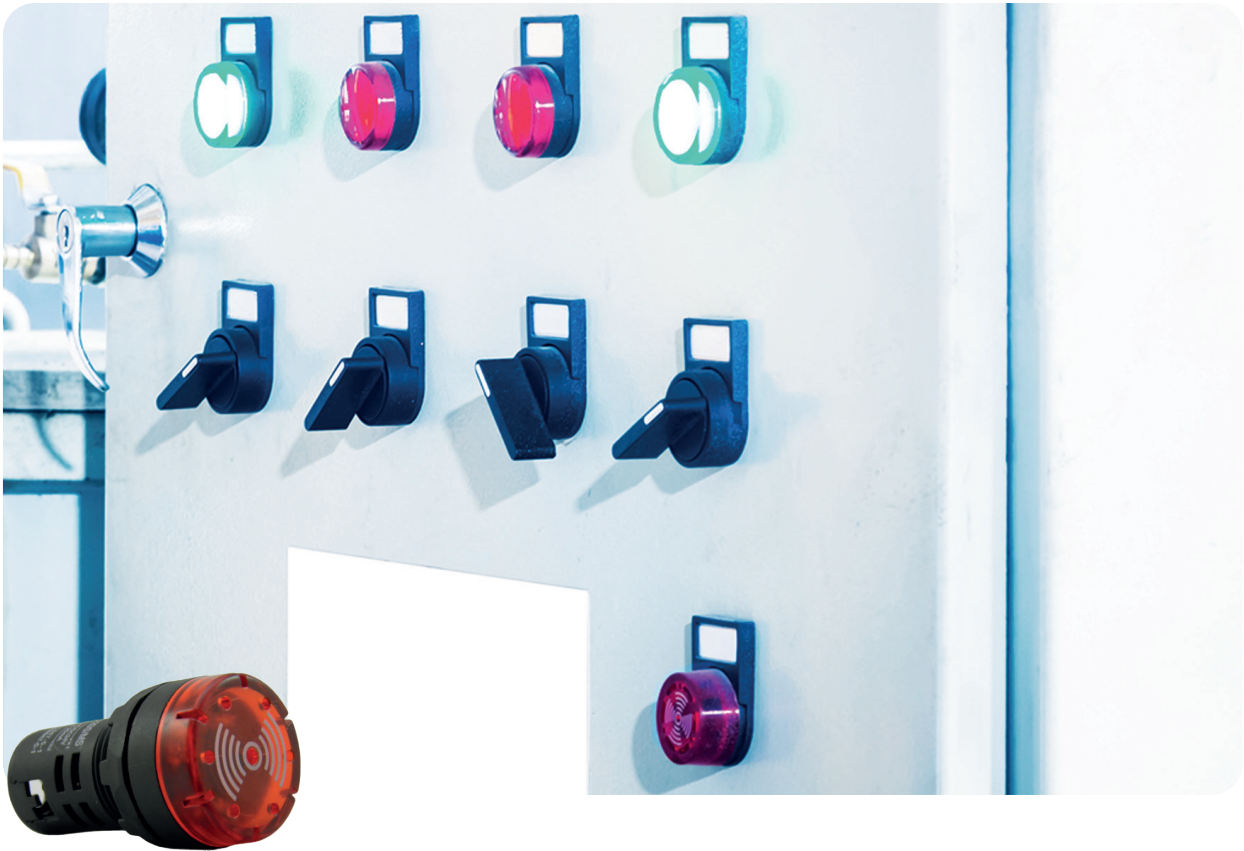


Connections

With screw terminals

ECX71

Combined indicator for panel mounting (ø 22 mm). Signal **light** and **audible intermittent** signal.



Technical features

Frequency sound / Signal repetition +/- 3.500 Hz +/- 1 Hz	Voltage 24 V AC/DC, 115 V AC, 230 V AC
A-weighted sound power measured at 1 m 78 dB	Current 24 V / 25 mA - 115 V / 15 mA - 230 V / 10mA
Protection degree IP 20	Dimensions (Ø x ledge) 30 mm x 15 mm

Codes for ordering		
24 V DC/AC	115V AC	115V - 230V AC
ECX2071-127R	ECX2071-230R	ECX2071-24R

ECX70

Combined indicator for panel mounting (ø 22 mm). **Pulse** sound.



⚙️ **Technical features**

Frequency sound / Signal repetition	Current
+/- 3.500 Hz +/- 1 Hz	24 V / 20 mA - 48 V /25 mA - 115 V / 15 mA
A-weighted sound power measured at 1 m	230 V / 10mA
78 dB	Connections
Protection degree	Clamps with screw clamp. Max 1,5 mm
IP 20	Dimensions
Voltage	(Ø x ledge) 30 mm x 15 mm
24 V AC/DC, 48 V AC/DC, 115 V AC, 230 V AC	

Codes for ordering			
24 V DC/AC	48V AC	115V AC	115V - 230V AC
ECX2070-24	ECX2070-48	ECX2070-127	ECX2070-230

ECX28

Combined indicator for panel mounting (ø 28 mm). **Pulse** or **continuous** sound.



⚙️ **Technical features**

Frequency sound / Signal repetition	Current
+/- 2.900 Hz +/- 1 Hz	12 V / 15 mA - 24 V / 20 mA - 48 V / 25 mA
A-weighted sound power measured at 1 m	Connections
95 dB	Clamps with screw clamp. Max 1,5 mm
Protection degree	Material
IP 20	ABS
Voltage	
12 V AC/DC, 24 V AC/DC, 48 V AC/DC	

Codes for ordering		
12 V DC/AC	24 V DC/AC	48V AC
ECX28100A	ECX28100B	ECX28100D

ECX32

Combined indicator for panel mounting ($\varnothing$ 28 mm). **Pulse** or **continuous** sound.



Technical features

Frequency sound / Signal repetition

+/- 2.900 Hz +/- 1 Hz

A-weighted sound power measured at 1 m

95 dB

Protection degree

IP 20

Voltage

12 (10-28) V DC (ac)

Current

12 V / 15 mA

Connections

Clamps with screw clamp. Max 1,5 mm

Material

ABS

Codes for ordering

12 V DC/AC

ECX32100A

ECX55

Pulse or **continuous** sound.



Technical features

Frequency sound

+/- 600 Hz

A-weighted sound power measured at 1 m

100 dB

Protection degree

IP 65

Voltage

24 (18-30) V AC/DC

Current

60 mA

Connections

with 250 mm long wires

Material

ABS

Dimensions

55x13 mm

Codes for ordering

Pulse

ECX55P100B

Continuous

ECX55C100B