Signalling Bell AW 1 - AW 4

Corrosion-resistant signalling device for indoor and outdoor use



Overview

The signalling bells are used for clear calling, reporting and warning purposes as a high-pitched bell sound stands out clearly against ambient noise. Different dome sizes enable ideal signalling.

The drive system of the multi-stroke signalling bell consists of a single-coil electromagnet.

In the AC variant a diode in the circuit enables a current flow in half period, so that the striker oscillates in time with the supply frequency.

The DC types are equipped with a non-wearing electronic contact breaker. The stroke rate is approx. 50 strokes/sec.

Features

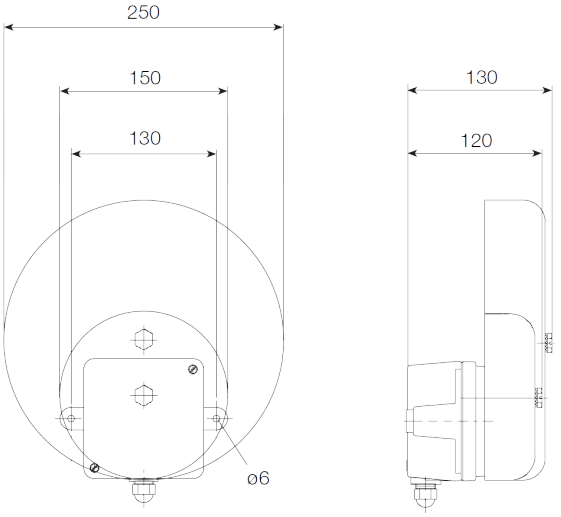
- Multi-stroke and single-stroke signalling bell
- Various flat domes

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Specifications

Housing	Corrosion-resistant aluminium die cast with pebble grey varnish (RAL 7001)
Bell dome	Steel flat dome, pebble grey (RAL 7001) 150 mm and 250 mm
Ingress protection	IP 55 according to EN 60529
Protection class	I
Cable gland	1 x M20, for line diameters of 6-11 mm with integrated pressure balance function
Connection terminals	Terminal capacity: 2.5 mm^2 fine-wire 4.0 mm^2 single-wire
Volume	Approx. 100 to 110 dB(A), depending on dome size (in 1 m distance)
Operating mode	Continuous operation for AW 1 and AW 2 Short-time operation 5 min for AW 3 and AW 4
Operating conditions	Indoors and outdoors
Operating position	Striker facing downward
Temperature range	
Operation	-20 °C to +60 °C
Storage	-30 °C to +70 °C
Weight	Approx. 1.45 kg with flat dome 150 mm Approx. 2.95 kg with flat dome 250 mm

General arrangement drawing (All dimensions in mm)



Ordering data

Type	Designation	Input voltage	Tolerance	Current consumption	Art. No.
Multi-stroke Signalling Bell AW 1/AW 2 (150 mm flat dome)					
AW 1	SignallingBell	24 VAC	+10 %/-15 %	0.32 A	FHF21162103
AW 1	SignallingBell	110 VAC	+10 %/-15 %	0.14 A	FHF21162106
AW 1	SignallingBell	230 VAC	+6 %/-10 %	0.06 A	FHF21162107
AW 1	SignallingBell	120 VAC/60 Hz	+10 %/-15 %	0.18 A	FHF21162126
AW 1	SignallingBell	240 VAC/60 Hz	+10 %/-15 %	0.065 A	FHF21162127
AW 2	SignallingBell	12 VDC	+10 %/-15 %	0,60 A	FHF21162112
AW 2	SignallingBell	24 VDC	+10 %/-15 %	0,35 A	FHF21162113
AW2	SignallingBell	110 VDC	+10 %/-15 %	0,13 A	FHF21162116
AW 2	SignallingBell	220 VDC	+10 %/-15 %	0.07 A	FHF21162117
Multi-stroke Signalling Bell AW 1/AW 2 (250 mm flat dome)					
AW 1	SignallingBell	230 VAC	+10 %/-15 %	0.06 A	FHF21162307
AW 2	SignallingBell	12 VDC	+10 %/-15 %	0.60 A	FHF21162312
AW 2	SignallingBell	24 VDC	+10 %/-15 %	0.35 A	FHF21162313
AW 2	SignallingBell	220 VDC	+10 %/-15 %	0.07 A	FHF21162317
The AW 1 multi-stroke AC versions work with half-wave DC current. The contact-breaker system in the AW 2 DC versions produces an intermittent direct current. Thus, when planning the supply lines and fuses, it should be considered that the given values are mean current values and the peaks are higher. The correct polarity of the connection line must be observed.					
Single-stroke Signalling Bell AW 3/AW 4 (150 mm flat dome)					
AW 3	SignallingBell	230 VAC	+6 %/-10 %	0.1 A	FHF21162207
AW 4	SignallingBell	24 VDC	+10 %/-15 %	1.0 A	FHF21162213
Single-stroke Signalling Bell AW 3/AW 4 (250 mm flat dome)					
AW 3	SignallingBell	230 VAC	+6 %/-10 %	0.1 A	FHF21162407

Note: All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

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