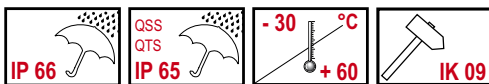


Beacons „Q“ with Buzzer Indicator

	Size 1	Size 2	Size 3	Size 4
	 80 dB	 100 dB	 105 dB	 105 dB
	2 tones	2 tones	3 tones	3 tones
LED Steady/ Flashing Beacons + Buzzer Indicator	 10 Cd	 120 Cd	 170 Cd	 300 Cd
Xenon Strobe Beacon + Buzzer Indicator	 ~5 J	 ~10 J	 250 Cd	 400 Cd
	QSS	QSM	QSL	QSX
	QTS	QTM	QCL	QCX

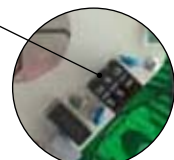
Features

- Comprehensive range of visual-audible signalling products with dominant beacon and additional buzzer indicator
- For most different visual-audible signalling requirements in the industry, process control, fire/gas alarm, marine, etc.
- Buzzer indicators with up-to-date piezo technique
 - 2 tones – steady/pulsing tone (size 1 and 2)
 - 3 tones – steady/pulsing/wobble tone (size 3 and 4)
- Versatile installation and mounting options
- Light and tone separately switchable
- Beacon options**
 - In most up-to-date LED technique**
long lifetime, low current consumption, vibration proof:
 - LED steady/flashing beacons (size 1-4) and
 - LED multi strobe beacons
 3 strobe patterns - double/6 times/multi strobe
 - externally switchable (size 3-4)
 - In conventional xenon strobe technique**
classic signalling with good signalling effect:
 - xenon strobe beacons with 5 J and 10 J strobe energy (size 1-2)
- Fit for plc applications (leakage, inrush current)























Accessories / Installation Options:

- Lateral cable entry** on both sides with **cable gland** (accessory type AKV)
- Grommet from back side** (included as standard)
- Metal bracket kit** for mounting of alarm sounders or beacons in specific direction, on mounting platforms, devices, etc. (accessory type AB1-AB4)
- Electrical connection via cage clamp**
- Flat gasket** for correct IP66 installation on smooth surfaces of the housing (accessory type AG1-AG4)
- Mounting kit AMK** for mounting/combination of 2 or more same size sounders or beacons



Overview Multi Tone Alarm Sounders „A“ / Beacons „Q“

Size	Multi Tone Alarm Sounders „A“	Multi Tone Alarm Sounders „A“ - Beacon „Q“	Multi Tone Alarm Sounder „A“ with Light Indicator	Beacons „Q“ with Buzzer Indicator	Beacons „Q“
1	ASS-P max. 103 dB 	ASS-P + QDS LED Steady/Flashing ASS-P + QFS ~5 J Xenon Strobe 	ADS-P LED Steady 	QSS LED Steady/Flashing 	QDS LED Steady/Flashing 
	ASS-T max. 108 dB	ASS-T + QDS LED Steady/Flashing ASS-T + QFS ~5 J Xenon Strobe	ADS-T LED Steady/Flashing	QTS ~5 J Xenon Strobe	QFS ~5 J Xenon Strobe
2	ASM max. 113 dB 	ASM + QDM LED Steady/Flashing 	ADM LED Steady/Flashing 	QSM LED Steady/Flashing 	QDM LED Steady/Flashing 
		ASM + QFM ~10 J Xenon Strobe	ACM LED Strobe	QTM ~10 J Xenon Strobe	QFM ~10 J Xenon Strobe
3	ASL max. 120 dB 	ASL + QDL LED Steady/Flashing 	ADL LED Steady/Flashing 	QSL LED Steady/Flashing 	QDL LED Steady/Flashing 
		ASL + QBL LED Multi Strobe	ACL LED Strobe	QCL LED Multi Strobe	QBL LED Multi Strobe
4	ASX max. 127 dB 	ASX + QDX LED Steady/Flashing 	ADX LED Steady/Flashing 	QSX LED Steady/Flashing 	QDX LED Steady/Flashing 
		ASX + QBX LED Multi Strobe	ACX LED Strobe	QCX LED Multi Strobe	QBX LED Multi Strobe

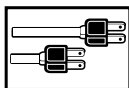
QSS



QSM



Beacons „Q“ with Buzzer Indicator



Technical data

Type	QSS Size 1	QSM Size 2	QSL Size 3	QSX Size 4	QTS Size 1	QTM Size 2	QCL Size 3	QCX Size 4
Housing	polycarbonate							
Housing colour	beacon red RAL 3000, buzzer indicator black							
Lens colour	amber, red, clear, blue, green, yellow							
Cable entry	grommet from back, 5-10 mm cable gland M20x1,5 from side, 7-14 mm (accessory)							
Mounting	arbitrary							
Duty cycle factor	100%							
Terminals	up to 2,5 mm ²							
Number of tones	2		3		2		3	
Tone frequency	3.500 Hz	3.300 Hz			3.500 Hz	3.300 Hz		
Volume control	---	by potentiometer			---	by potentiometer		
Max. Sound pressure	80 dB	85-100 dB	85-105 dB		80 dB	85-100 dB	85-105 dB	
Light source	LED				xenon strobe		LED	
Lifetime (light source)	~ 50.000 h				~ 5 mio flashes	~ 15 mio flashes	~ 50.000 h	
Flashing/strobe frequency	1,4 Hz				~ 1 Hz		double strobe 1,4 Hz / 6 times strobe 1,0 Hz / multi strobe	
Light intensity*	10 Cd	120 Cd	170 Cd	300 Cd			250 Cd	400 Cd
Strobe energy	---				~5 J	~10 J	---	
Temperature range	-30 °C to +60 °C				-30 °C to +60 °C			
Weight	0,3 kg	0,54 kg	1,77 kg	2,77 kg	0,33 kg	0,59 kg	1,77 kg	2,77 kg

* valid for clear lenses

Size comparison

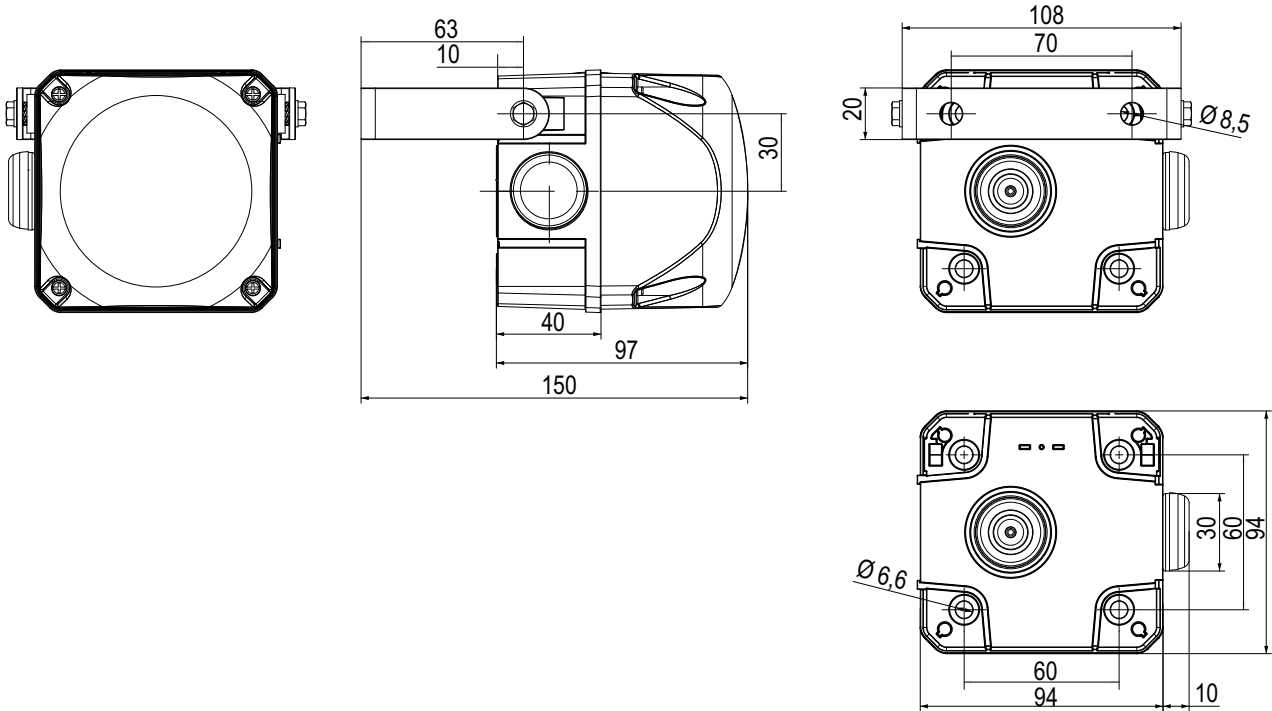
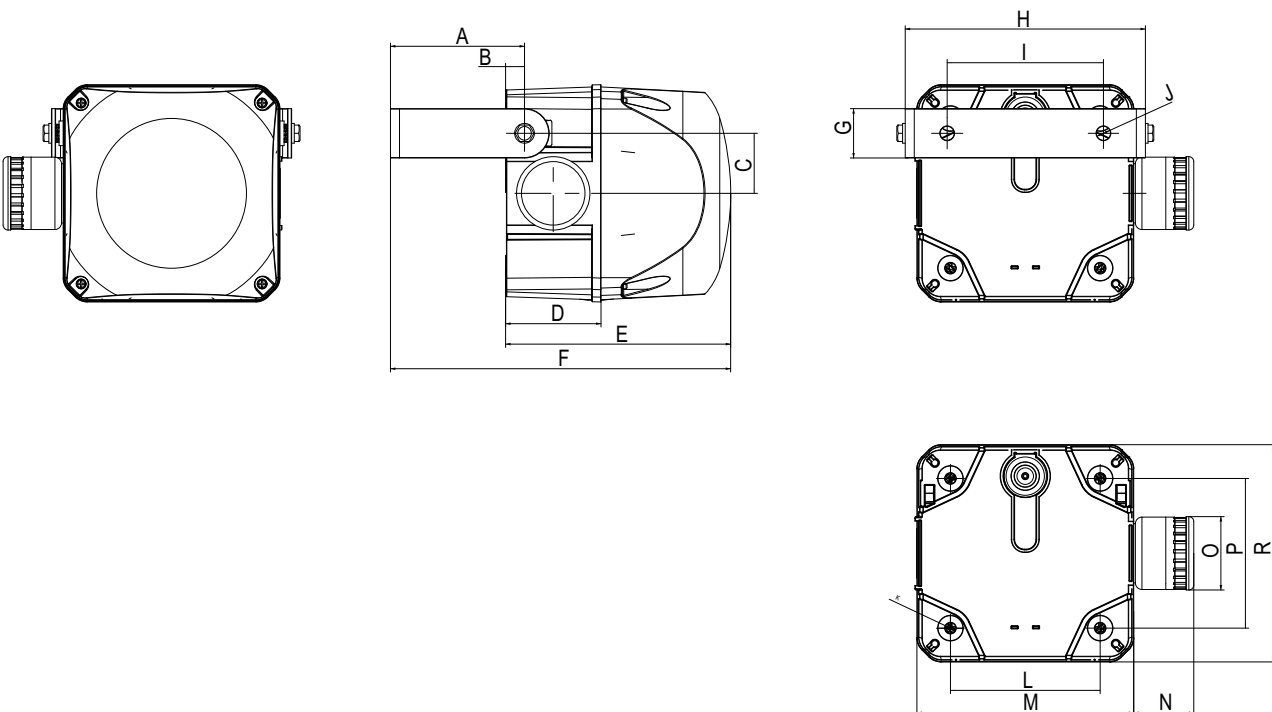


Size 1
94 mm

Size 2
132 mm

Size 3
184 mm

Size 4
228 mm

QSS/QTS (Size 1)

QSM/QTM (Size 2), QSL/QCL (Size 3), QSX/QCX (Size 4)


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R
Size 2	82	12	37	57	137	207	30	146	95	8,5	6,6	91	132	37	45	91	132
Size 3	106	19	55	73	176	263	40	205	112	8,5	6,6	124	184	44	65	124	184
Size 4	138	17	63	91	223	345	50	248	140	8,5	6,6	167	228	45	65	167	228

Measuring unit mm

Beacons „Q“ with Buzzer Indicator



Order data

Type	Denomination	Light source	Nominal voltage (V)	Voltage range (V)	Nominal current (A)	Order No. Housing red
QSS	LED steady/flashing beacon size 1 with buzzer indicator	LED 10 Cd	24 V AC/DC	+/- 10%	0,156	876 16C 405
			110/120 V AC		0,077	876 16C 310
			230/240 V AC		0,080	876 16C 313
QSM	LED steady/flashing beacon size 2 with buzzer indicator	LED 120 Cd	24 V AC/DC	+/- 10%	0,320	876 26C 405
			110/120 V AC		0,112	876 26C 310
			230/240 V AC		0,110	876 26C 313
QSL	LED steady/flashing beacon size 3 with buzzer indicator	LED 170 Cd	24 V AC/DC	+/- 10%	0,837	876 36C 405
			110/120 V AC		0,252	876 36C 310
			230/240 V AC		0,254	876 36C 313
QSX	LED steady/flashing beacon size 4 with buzzer indicator	LED 300 Cd	24 V AC/DC	+/- 10%	1,860	876 46C 405
			110/120 V AC		0,392	876 46C 310
			230/240 V AC		0,394	876 46C 313
QTS	Xenon strobe beacon size 1 with buzzer indicator	xenon tube ~5 J	24 V AC/DC	+/- 10%	0,496	876 56C 405
			110/120 V AC		0,167	876 56C 310
			230/240 V AC		0,095	876 56C 313
QTM	Xenon strobe beacon size 2 with buzzer indicator	xenon tube ~10 J	24 V AC/DC	+/- 10%	0,919	876 66C 405
			110/120 V AC		0,302	876 66C 310
			230/240 V AC		0,200	876 66C 313
QCL	LED multi strobe beacon size 3 with buzzer indicator	LED 250 Cd	24 V AC/DC	+/- 10%	0,867	876 76C 405
			110/120 V AC		max. 0,262	876 76C 310
			230/240 V AC		max. 0,264	876 76C 313
QCX	LED multi strobe beacon size 4 with buzzer indicator	LED 400 Cd	24 V AC/DC	+/- 10%	max. 1,760	876 86C 405
			110/120 V AC		max. 0,440	876 86C 310
			230/240 V AC		max. 0,440	876 86C 313

Accessories

Type	Denomination	Order No.
AMK	Mounting kit for combinations of multi tone alarm sounders „A“ and/or beacons „Q“	874 010 900
AG1	Flat gasket for size 1 multi tone alarm sounders „A“ and/or beacons „Q“	874 021 900
AG2	Flat gasket for size 2 multi tone alarm sounders „A“ and/or beacons „Q“	874 022 900
AG3	Flat gasket for size 3 multi tone alarm sounders „A“ and/or beacons „Q“	874 023 900
AG4	Flat gasket for size 4 multi tone alarm sounders „A“ and/or beacons „Q“	874 024 900
AB1	Metal bracket kit for size 1 multi tone alarm sounders „A“ and/or beacons „Q“	874 031 900
AB2	Metal bracket kit for size 2 multi tone alarm sounders „A“ and/or beacons „Q“	874 032 900
AB3	Metal bracket kit for size 3 multi tone alarm sounders „A“ and/or beacons „Q“	874 033 900
AB4	Metal bracket kit for size 4 multi tone alarm sounders „A“ and/or beacons „Q“	874 034 900
AKV	Cable gland M20x1,5 for multi tone alarm sounders „A“ and/or beacons „Q“	698 800 026

Colour code for lens

Colour code for lens		C	
1	amber	5	blue
2	red	6	green
4	clear	7	yellow

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