

Beacons „Q” with Buzzer Indicator

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

Features



























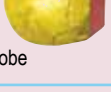
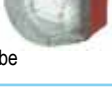







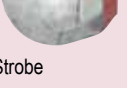

- comprehensive range of visual-audible signalling products with dominant beacon and additional buzzer indicator
- for most different visual-audible signalling requirements in the industry, process control, fire/gas alarm, marine, etc.
- buzzer indicators with up-to-date piezo technique
 - 2 tones – steady/pulsing tone (size 1-2)
 - 3 tones – steady/pulsing/wobble tone (size 3-4)
- 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 strobe beacons - 3 strobe patterns – double/multi/irregular strobe, externally switchable (size 3-4) or
 - in conventional xenon strobe technique**
classic signalling with good signalling effect:
 - xenon strobe beacons with ~5 J to 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** (accessory type AB1-AB4, for mounting of alarm sounders or beacons in specific direction, on mounting platforms, devices, etc.)
- electrical connection via cage clamp**
- flat gaskets** 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/Flashing 	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 Strobe 	ACL LED Strobe 	QCL LED Strobe 	QBL LED 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 Strobe 	ACX LED Strobe 	QCX LED Strobe 	QBX LED Strobe 



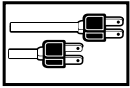
QSS



QSM



Beacons „Q” with Buzzer Indicator



Technical data

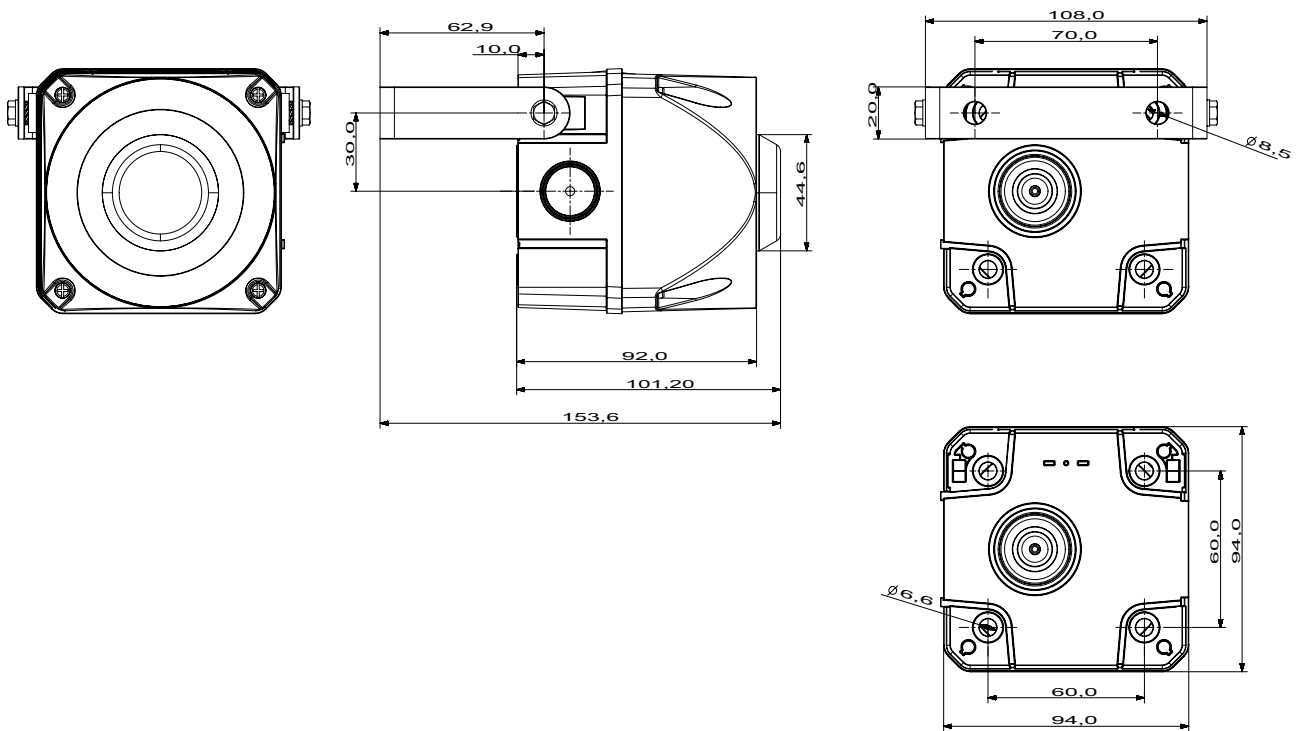
Type	QSS Size 1	QSM Size 2	QSL Size 3	QSX Size 4	QTS Size 1	QTM Size 2	QCL Size 3	QCX Size 4
Housing	polycarbonate							
Housing colour	beacon red RAL 3000, buzzer indicator black							
Lens colour	amber, red, clear, blue, green, yellow							
Cable entry	grommet from back, 5-10 mm							
Cable conduit	cable gland M20x1,5 from side, 5-12 mm (accessory)							
Mounting	arbitrary							
Duty cycle factor	100%							
Terminals	up to 2,5 mm ² single wire							
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	
Sound pressure	80 dB	80-100 dB	85-105 dB		80 dB	80-100 dB	85-105 dB	
Light source	LED steady or flashing				Xenon strobe		LED strobe	
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 1,7 Hz / 6 times 1,0 Hz / irregular 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			
Relative humidity	90% at 20 °C				90% at 20 °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

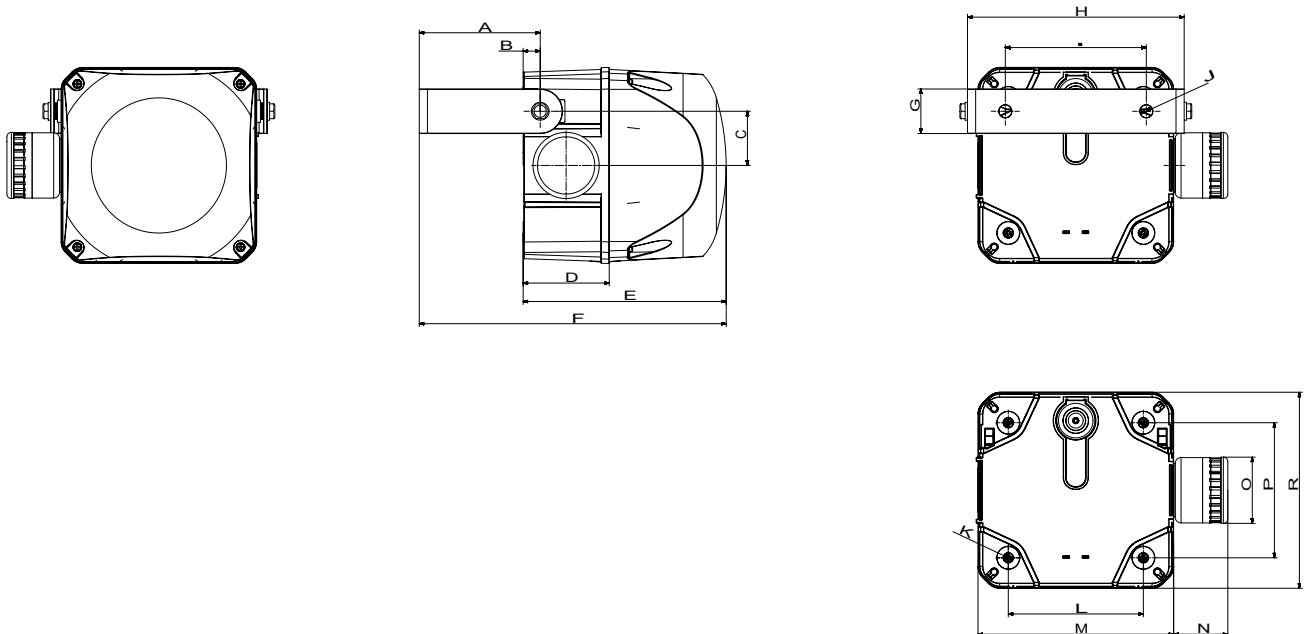
QSL/QCL



QSS/QTS (Size 1)



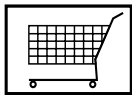
QSM/QTM (Size 2), QSL/QCL (Size 3), QSX/QCX (Size 4)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R
Size 2	81,5	11,5	36,5	57,4	136,8	206,8	30	146	95	8,5	6,5	91	132	36,5	44,8	91	132
Size 3	105,5	18,5	55	72,5	175,8	262,8	40	205	112	8,5	6,5	124	183	43,5	64,6	124	183
Size 4	138,3	21,8	58	90,8	223,4	340	50	248,3	140	8,5	6,5	167	228,4	44,5	64,6	167	228,4

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%	0,32	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%	1,86	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		0,2	876 66C 313
QCL	LED 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 strobe beacon size 4 with buzzer indicator	LED 400 Cd	24 V AC/DC	+/- 10%	max. 1,76	876 86C 405
			110/120 V AC		max. 0,44	876 86C 310
			230/240 V AC		max. 0,44	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

1	amber	5	blue
2	red	6	green
4	clear	7	yellow

C

