



Flashing Beacon and Continuous Beacon Series 6161


- Explosion protection to
 - CENELEC
 - EC
- For use in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Saltwater-proof aluminium enclosure with polycarbonate hood
- Flashing frequency 1 Hz
- Integrated Ex e service compartment
- Available in clear, signal yellow, red, blue, green and orange
- Flashing energy 5 Joules
- Continuous beacon in LED technology

09355E00

The flashing beacons and continuous beacons of Series 6161 are installed to provide optical signals in explosive gas atmospheres and areas with combustible dust.

Zones 1 & 2, 21 & 22

Selection table

Version	Rated voltage	Ordering code	Weight kg	
 6161 Optical Beacon 09344E00	6161/2 Flashing Beacon	AC 230 V, 50/60 Hz	6161/2-11-.21-0	1,500
		AC 110 V ... 127 V, 50/60 Hz	6161/2-31-.21-0	1,500
		AC 24 V ... 42 V, 50/60 Hz and DC 12 V ... 48 V	6161/2-61-.21-0	1,500
		DC 60 V ... 80 V	6161/2-41-.21-0	1,500
	6161/3 Continuous Beacon	AC 230 V, 50/60 Hz	6161/3-10-.21-1	1,400
		AC/DC 24 V; 0 Hz, 50/60 Hz	6161/3-70-.21-1	1,400

Add. to ordering code

Colour of glass	signal yellow	6161/. . . -1..
	clear	6161/. . . -2..
	red	6161/. . . -3..
	blue	6161/. . . -4..
	green	6161/. . . -5..
	orange	6161/. . . -6..



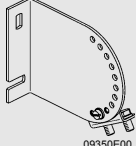
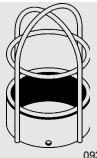


Note The optical beacons are supplied without attachment materials and wire guard. These must be ordered separately!

Technical Data

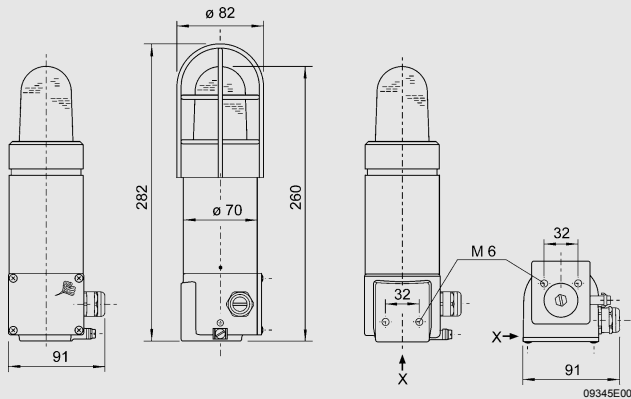
Version	6161/2 Flashing Beacon	6161/3 Continuous Beacon
Explosion protection		
Gas explosion protection	Ⓢ II 2 G Ex de IIC T6 (- 20 °C ... + 40 °C) Ⓢ II 2 G Ex de IIC T5 (- 20 °C ... + 50 °C)	Ⓢ II 2 G Ex de IIC T6 (- 20 °C ... + 40 °C)
Dust explosion protection	Ⓢ II 2 D Ex td A21 IP66 T85 °C (- 20 °C ... + 40 °C) Ⓢ II 2 D Ex td A21 IP66 T100 °C (- 20 °C ... + 50 °C)	Ⓢ II 2 D Ex tD A21 IP66 T65 °C (- 20 °C ... + 40 °C) Ⓢ II 2 D Ex tD A21 IP66 T75 °C (- 20 °C ... + 50 °C)
Certificates	LCIE 02 ATEX 6062	LCIE 02 ATEX 6062
Other certificates	IECEX	IECEX
Conformity	CE 0102 according to 94/9/CE	CE 0102 according to 94/9/CE
Rated Voltage	DC 12 V ... 48 V ± 10 % AC 24 V ... 42 V ± 10 %, 50 / 60 Hz DC 60 V ... 80 V ± 10 % AC 110 V ... 127 V ± 10 %, 50 / 60 Hz AC 230 V ± 10 %, 50 / 60 Hz	DC 24 V ± 10 % AC 230 V ± 10 %, 50 / 60 Hz
Ambient conditions	T6 resp. T85 °C: - 20 °C ... + 40 °C T5 resp. T100 °C: - 20 °C ... + 50 °C	T6 resp. T65 °C: - 20 °C ... + 50 °C T6 resp. T75 °C: - 20 °C ... + 50 °C
Flashing energy	5 Joules	--
Flashing frequency	1 Hz	--
Duty cycle	100 %	100 %
Life	6 x 10 ⁶ flashes	--
Ingress protection	IP 66 (IEC/EN 60529)	IP 66 (IEC/EN 60529)
Material		
Enclosure	aluminium alloy, powder-coated, yellow/black, non copper	
Globe	Standard: Polycarbonate	
Wire guard	Standard: stainless steel (option)	
Gasket	NBR-O-ring seals	
Protection class	I (internal and external PE connection terminal, according to EN 60598)	
Special enclosure	Ex d enclosure; locking screw with hexagonal socket M 4	
Connection	Screw terminal blocks Clamping area: 2 x 4 mm ² (solid) / 2 x 2.5 mm ² (flexible) 3 pole (clamping designation: L1 + N + PE)	
Cable entries	Standard: 1 cable gland 8161, M 20 x 1.5 clamping area: ∅ 6 mm ... 13 mm 1 stopping plug 8290, M 20 x 1.5 Special: metal screw fittings M 20 - on request	



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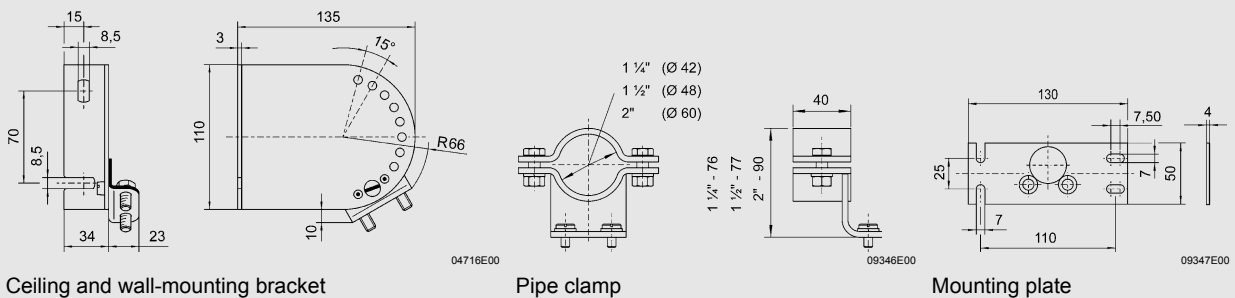
Accessories and spare parts					
Designation	Illustration	Description	Ordering code	Weight kg	
Mounting plate	 04279E00	Material: stainless steel includes mounting screws	6161802550	0,200	
Pipe clamp	 09349E00		R 1 1/4"	6161801260	0,500
			R 1 1/2"	6161802260	0,500
			R 2"	6161803260	0,500
Ceiling or wall-mounting bracket	 09350E00	Material: stainless steel includes mounting screws	6161804260	0,440	
Wire guard	 09351E00	Material: stainless steel	6161802140	0,200	
Cable gland	 05864E00	Cable diameter 6 ... 13 mm			
		8161/5-M 20-13	1 piece	8161077010	0,012
Stopping plug	 04840E00	8290/3-M 20 x 1.5	50 pieces	8161025030	0,600
		8290/3-M 20 x 1.5	100 pieces	8290008590	0,004
		8290/3-M 20 x 1.5	1 piece	8290045590	0,600

Dimension drawings (all dimensions in mm) – subject to alterations



Optical beacon 6161

Mounting accessories



We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.

