

Flashing Beacon and Continuous Beacon Series 6161



- > Robust, seawater resistant aluminium enclosure
- > Prismatic light dome ensures high effect of the signal
- > Flashing frequency 1 Hz
- > Flashing energy 5 Joules
- > Integrated Ex e connection chamber
- > Light dome available in: signal yellow, red, orange, green, blue and clear
- > Continuous beacon in LED technology



E5

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

	ATEX / IECEx / GOST					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

WebCode 6161A

Flashing Beacon and Continuous Beacon

Series 6161



Selection Table

Version	Rated operational voltage	Order number	Weight kg
 6161/2 Flashing Beacon 09344E00	230 V AC, 50 ... 60 Hz	6161/2-11- .21-0	1.500
	110 ... 127 V AC, 50 ... 60 Hz	6161/2-31- .21-0	1.500
	24 ... 42 V AC, 50 ... 60 Hz and 12 ... 48 V DC	6161/2-61- .21-0	1.500
	60 ... 80 V DC	6161/2-41- .21-0	1.500
 6161/3 Continuous Beacon 09344E00	230 V AC, 50 ... 60 Hz	6161/3-10- .21-0	1.400
	24 V AC / DC, 0 Hz, 50 ... 60 Hz	6161/3-70- .21-0	1.400

Order Number Supplement

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!		

Explosion Protection

Version	6161/2 Flashing Beacon	6161/3 Continuous Beacon
Explosion protection		
Global (IECEX) Gas and dust	IECEX LCI 08.0032 Ex de IIC T6 (Ta ≤ + 40°C) Ex de IIC T5 (Ta ≤ + 50°C) Ex tD A21 IP66 T85°C (Ta ≤ + 40°C) Ex tD A21 IP66 T100°C (Ta ≤ + 50°C)	IECEX LCI 08.0032 Ex de IIC T6 (Ta ≤ + 40°C) Ex de IIC T6 (Ta ≤ + 50°C) Ex tD A21 IP66 T65°C (Ta ≤ + 40°C) Ex tD A21 IP66 T75°C (Ta ≤ + 50°C)
Europe (ATEX) Gas and dust	LCIE 02 ATEX 6062 ⊕ II 2 G Ex de IIC T6 (Ta = - 20 ... + 40°C) ⊕ II 2 G Ex de IIC T5 (Ta = - 20 ... + 50°C) ⊕ II 2 D Ex tD A21 IP66 T85°C (Ta = - 20 ... + 40°C) ⊕ II 2 D Ex tD A21 IP66 T100°C (Ta = - 20 ... + 50°C)	LCIE 02 ATEX 6062 ⊕ II 2 G Ex de IIC T6 (Ta = - 20 ... + 40°C) ⊕ II 2 D Ex tD A21 IP66 T65°C (Ta = - 20 ... + 40°C) ⊕ II 2 D Ex tD A21 IP66 T75°C (Ta = - 20 ... + 50°C)
Certificates and approvals		
Certificates	IECEX, ATEX, China (CQST Ex), India (PESO), Kazakhstan (JSC), Russia (GOST-R), Serbia (IZP), Ukraine (GOST-U), Belarus (GOST-B)	IECEX, ATEX, China (CQST Ex), Kazakhstan (JSC), Serbia (IZP), Ukraine (GOST-U), Belarus (GOST-B)
Other approvals	Ship approval (GL, RS)	--
Conformity	CE 0102 according to 94/9/CE	CE 0102 according to 94/9/CE
Marine applications		
GL	50 881 - 04 HH	--
RS	11210000	--

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Technical Data

Electrical data			
Version	6161/2 Flashing Beacon		6161/3 Continuous Beacon
Rated values	24 ... 42 V AC	50 ... 60 Hz	0.5 ... 0.3 A
	110 ... 127 V AC	50 ... 60 Hz	0.11 A
	230 V AC	50 ... 60 Hz	0.08 A
	12 ... 48 V DC		0.5 ... 0.3 A
	60 ... 80 V DC		0.13 ... 0.11 A
Back-up fuse	4 AT (Fuse slow-blow or automatic circuit breaker C characteristic)		4 AT (Fuse slow-blow or automatic circuit breaker C characteristic)

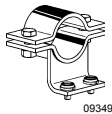
Luminous Characteristics			
Version	6161/2 Flashing Beacon		6161/3 Continuous Beacon
Flashing energy	5 Joules		--
Flashing frequency	1 Hz		--
Duty cycle	100%		100%
Service life	6 x 10 ⁶ flashes		--

Ambient conditions	
Ambient temperature	see explosion protection data

Mechanical data	
Degree of protection	IP66 according to IEC/EN 60529
Protection class	I (internal and external PE connection terminal according to IEC/EN 60598)
Material	
Enclosure	aluminium alloy copper-free, yellow/black powder-coated
Light dome	polycarbonate, prismatic
Wire guard	stainless steel
Fixing elements	stainless steel
Sealing ring	NBR-O-ring seal
Special lock	Ex d enclosure; M4 hexagon socket stud

Assembly / Installation	
Cable entries	1 x M20 x 1,5 stopping plug 1 x M20 x 1,5 cable gland metal cable gland on request
Cable dia. range	6 ... 13 mm
Connection	screw terminal block, 3-pole
Marking	L1 + N + PE
Connection cross-section	
Solid	2 x 4 mm ²
Finely stranded	2 x 2.5 mm ²
Earth lead connection	
Inside	max. 6 mm ²
Outside	max. 2.5 mm ² flexible / 4 mm ² rigid

Accessories and Spare Parts

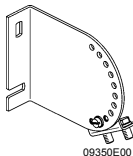
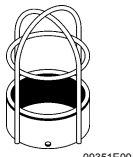
Designation	Illustration	Description	Art. no.	Weight kg
Mounting plate	 04279ED0	material: stainless steel, includes mounting screws, for wall or floor mounting	120821	0.170
Pipe clamp	 09349ED0	material: stainless steel includes mounting screws		0.000
		R 1 1/4 "	120812	0.500
		R 1 1/2 "	120819	0.470
		R 2 "	120823	0.500

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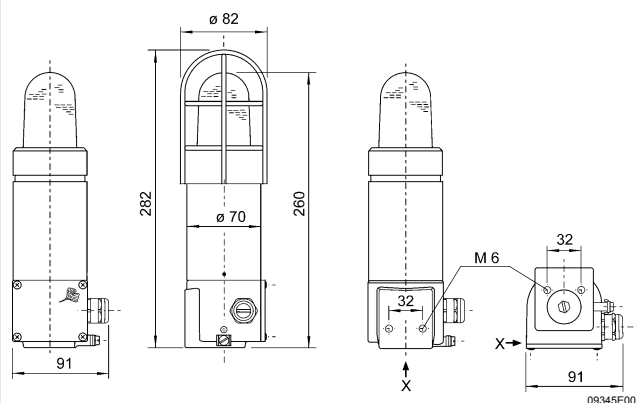
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Accessories and Spare Parts

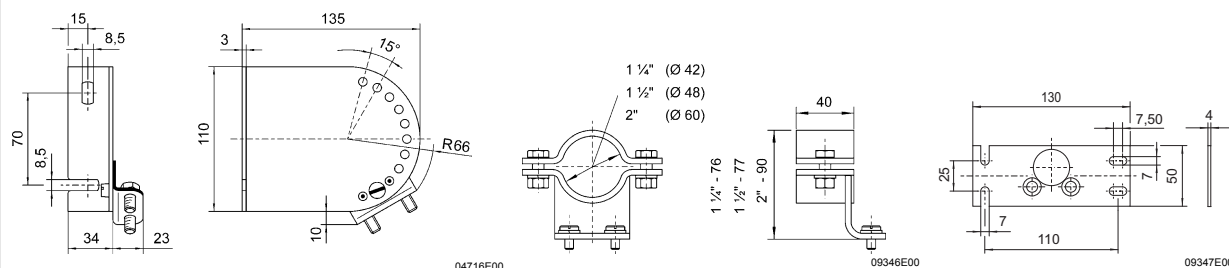
Designation	Illustration	Description	Art. no.	Weight kg	
Ceiling or wall-mounting bracket		material: stainless steel includes mounting screws	120826	0.480	
Wire guard		material: stainless steel	120818	0.260	
Cable gland		8161/5-M20-13	1 piece	138518	0.012
		8161/5-M20-13	50 pieces	138454	0.600
Stopping plug		8290/3-M20	1 pieces	143522	0.005
		8290/3-M20	100 pieces	143543	0.500

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



Optical beacon 6161

Mounting accessories



Ceiling and wall-mounting bracket

Pipe clamp

Mounting plate

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