

Tank Inspection Lights

Series 6122



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10033E00

- > For halogen lamps 5 W to 100 W
- > Mounting options
 - tilting hinge
 - mounting bracket
 - flange collar
- > Corrosion-resistant light metal enclosure
- > Connection options
 - potted connection lead
 - connection chamber

E2



Series 6122 tank inspection lights are suitable for the illumination of storage tanks, stirring tanks, distillation columns, pipeline flow indicators etc.

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

WebCode 6122A

Tank Inspection Lights

Series 6122

Selection Table

Version	Lamp wattage	Lamp holder	Temperature class at Ta = 40 °C	T _{S max} at Ta = 40 °C	Rated voltage	Order number	Weight
Size 1 with flexible lead	5 W	G4	T6	80 °C	12 V AC / DC *	6122/2-02-005-012-0	1.750
					24 V AC	6122/2-02-005-024-0	2.250
					36 V AC	6122/2-02-005-036-0	2.250
					42 V AC	6122/2-02-005-042-0	2.250
					115 V AC	6122/2-02-005-115-0	2.250
					230 V AC	6122/2-02-005-230-0	2.250
					240 V AC	6122/2-02-005-240-0	2.250
	10 W	G4	T4	130 °C	12 V AC / DC *	6122/2-02-010-012-0	1.750
					24 V AC	6122/2-02-010-024-0	2.250
					36 V AC	6122/2-02-010-036-0	2.250
					42 V AC	6122/2-02-010-042-0	2.250
					115 V AC	6122/2-02-010-115-0	2.250
					230 V AC	6122/2-02-010-230-0	2.250
					240 V AC	6122/2-02-010-240-0	2.250
	20 W	G4	T4	130 °C	12 V AC / DC *	6122/2-02-020-012-0	1.750
					24 V AC / DC *	6122/2-02-020-024-0	1.780
					36 V AC	6122/2-02-020-036-0	2.250
					42 V AC	6122/2-02-020-042-0	2.250
					115 V AC	6122/2-02-020-115-0	2.250
					230 V AC	6122/2-02-020-230-0	2.250
					240 V AC	6122/2-02-020-240-0	2.250
Size 1 with connection chamber	5 W	G4	T6	80 °C	12 V AC / DC *	6122/2-12-005-012-0	1.650
					24 V AC	6122/2-12-005-024-0	2.150
					36 V AC	6122/2-12-005-036-0	2.150
					42 V AC	6122/2-12-005-042-0	2.150
					115 V AC	6122/2-12-005-115-0	2.150
					230 V AC	6122/2-12-005-230-0	2.150
					240 V AC	6122/2-12-005-240-0	2.150
	10 W	G4	T4	130 °C	12 V AC / DC *	6122/2-12-010-012-0	1.650
					24 V AC	6122/2-12-010-024-0	2.150
					36 V AC	6122/2-12-010-036-0	2.150
					42 V AC	6122/2-12-010-042-0	2.150
					115 V AC	6122/2-12-010-115-0	2.150
					230 V AC	6122/2-12-010-230-0	2.150
					240 V AC	6122/2-12-010-240-0	2.150

Order Number Supplement

State with order: • Housing painted with 2-component epoxy paint (extra charge) • Opal glass cover

Note

Tank inspection lights are supplied with lamps and without mounting material. These parts must be ordered separately.

* without transformer - direct connection

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Selection Table

Version	Lamp wattage	Lamp holder	Temperature class at Ta = 40 °C	T _{S max} at Ta = 40 °C	Rated voltage	Order number	Weight kg
Size 1 with connection chamber	20 W	G4	T4	130 °C	12 V AC / DC *	6122/2-12-020-012-0	1.650
					24 V AC / DC *	6122/2-12-020-024-0	1.640
					36 V AC	6122/2-12-020-036-0	2.150
					42 V AC	6122/2-12-020-042-0	2.150
					115 V AC	6122/2-12-020-115-0	2.150
					230 V AC	6122/2-12-020-230-0	2.160
					240 V AC	6122/2-12-020-240-0	2.150
					50 W	G6.35	T3
24 V AC / DC *	6122/2-12-050-024-0	1.800					
Size 2 with connection chamber	20 W	G4	T6	80 °C	12 V AC / DC *	6122/4-12-020-012-0	2.650
					24 V AC / DC *	6122/4-12-020-024-0	2.650
					36 V AC	6122/4-12-020-036-0	3.600
					42 V AC	6122/4-12-020-042-0	3.600
					115 V AC	6122/4-12-020-115-0	3.600
					230 V AC	6122/4-12-020-230-0	3.600
					240 V AC	6122/4-12-020-240-0	3.600
					50 W	G6.35	T4
	24 V AC / DC *	6122/4-12-050-024-0	2.650				
	36 V AC	6122/4-12-050-036-0	3.600				
	42 V AC	6122/4-12-050-042-0	3.620				
	115 V AC	6122/4-12-050-115-0	3.600				
	230 V AC	6122/4-12-050-230-0	3.620				
	240 V AC	6122/4-12-050-240-0	3.900				
Size 3 with connection chamber	100 W	G6.35	T4	130 °C	12 V AC / DC *	6122/6-12-100-012-0	6.700
					24 V AC / DC *	6122/6-12-100-024-0	6.700

Order Number Supplement

- State with order: (extra charge)
- Housing painted with 2-component epoxy paint
 - Opal glass cover

Note Tank inspection lights are supplied with lamps and without mounting material. These parts must be ordered separately.

* without transformer - direct connection

E2

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Explosion Protection

Europe (ATEX)

Gas and dust

LCIE 02 ATEX 6172 (6122/2)
 LCIE 02 ATEX 6174 (6122/4)
 LCIE 03 ATEX 6328 (6122/6)
 Ⓢ II 2 G Ex d IIC T³) (6122/2-02)
 Ⓢ II 2 G Ex de IIC T³) (6122/2-12 / 6122/4-12 / 6122/6-12)
 Ⓢ II 2 D Ex tD A21 IP65 T₀*)
 * temperature classes and surface temperatures see selection table

Certificates and approvals

Certificates

ATEX, Serbia (IZP), Belarus (GOST-B)

Technical data

Electrical data

Rated voltage

12 V resp. 12 V or 24 V AC / DC
 Supply voltage without transformer

 24, 42, 115, 230, 240 V AC, 50 Hz
 Supply voltage with transformer; secondary voltage 12 V

Luminous Characteristics

Radiation angle (Halogen lamp)

10° „spot“-Version (Standard version)
 20° „flood“-Version

Ambient conditions

Ambient temperature

- 20 ... + 40 °C (+ 60 °C on request)

Operating conditions

No restrictions on operating temperature of vessel contents

Mechanical data

Degree of protection

IP65

Protection class

I (with internal and external PE/PA-connection)

Material

Enclosure

Corrosion-resistant cast aluminium alloy

Glas

Standard: Borosilicate glass, resistant to temperature changes up to 300 °C
 Special: Opal glass to reduce glare when mounted on flow indicator

Reflector

6122/2	20 W (size 1)	Halogen reflector lamp
6122/2, 6122/4, 6122/6	5, 10, 20, 50, 100 W	Highly polished parabolic reflector

Assembly / Installation

Cable entry

with flexible lead

Temperature-resistant cable 3 x 0,75 mm², 5 m long

with connection chamber

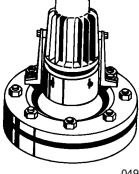
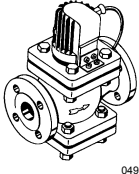
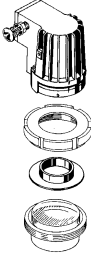
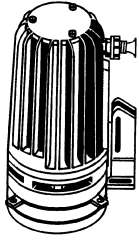
1 x M20 x 1,5 bell-mouthed gland

Terminals

with connection chamber: for max. 2.5 mm²

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.











Mounting Options

<p>Mounting options for size 1 and 2 6122/2 and 6122/4</p>	<p>Mounting on sight glasses to DIN 28120 or similar: NW 25 ... NW 150: with tilting hinge (from NW 125 anti-dazzle shield must be included in order) NW 80 ... NW 200: with mounting bracket</p>	 <p>04983e00 Tilting hinge and anti-dazzle shield</p>
<p>Mounting options for size 1 and 2 6122/2 and 6122/4</p>	<p>Mounting on flow indicators with bracket or customer specified fixing</p>	 <p>04984e00 Mounting bracket</p>
<p>Mounting options for size 1 and 2 6122/2 and 6122/4</p>	<p>Mounting on screwed sight glasses to DIN 11851 (Milkpipe screw fixing gland) NW 65 ... NW 100: by means of intermediate flange collar material 1.4301 from NW 125: Mounting bracket on grooved collar nut</p>	 <p>05366e00 Intermediate flange collar</p>
<p>Mounting options for size 3 6122/6</p>	<p>Mounting on sight glasses to DIN 28120 or similar: NW 100 ... NW 200: with tilting hinge NW 100 ... NW 200: with foot ring</p>	 <p>05367e00 Tilting hinge</p>

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Accessories and Spare Parts

Designation	Illustration	Description	Order number	Weight kg
Tilting hinge	 04988E00	for size 1	108891	0.070
		for size 2	109009	0.250
	 05463E00	for size 2	109010	0.075
	 04987E00	for size 2 / 3	108890	0.113
Mounting bracket	 04989E00	for size 1 50 W	108831	0.020
Intermediate flange collar	 11227E00	for size 1 DN 65	108839	0.360
Foot ring	 04991E00	for size 3		
		Sight glasses NW DN		
		to DIN 28120 100	108910	0.600
		to DIN 28120 150 / 200	108908	0.200
		to DIN 28121 100 ... 200	108911	0.800
Anti-dazzle shield	 04992E00	for dazzle-free illumination, only up to 50 W and with „tilting hinge“ fixing		0.000
		for size 1	108832	0.065
		for size 2	108833	0.100
Transport handle	 04993E00	may be used as handlamp		
		for size 1	109006	0.100
		for size 2	109008	0.100
Halogen lamps	 05003E00	without reflector		
		G4 5 W / 12 V	108879	0.004
		G4 10 W / 12 V	108880	0.008
		GY6.35 50 W / 12 V	108877	0.005
		GY6.35 50 W / 24V	108876	0.005
		GY6.35 100 W / 24 V	108878	0.007
	 04994E00	with reflector		
		G4 20 W / 12 V	108881	0.015
		G4 20 W / 24 V	108882	0.015
		BA15d 50 W / 12 V	108875	0.035

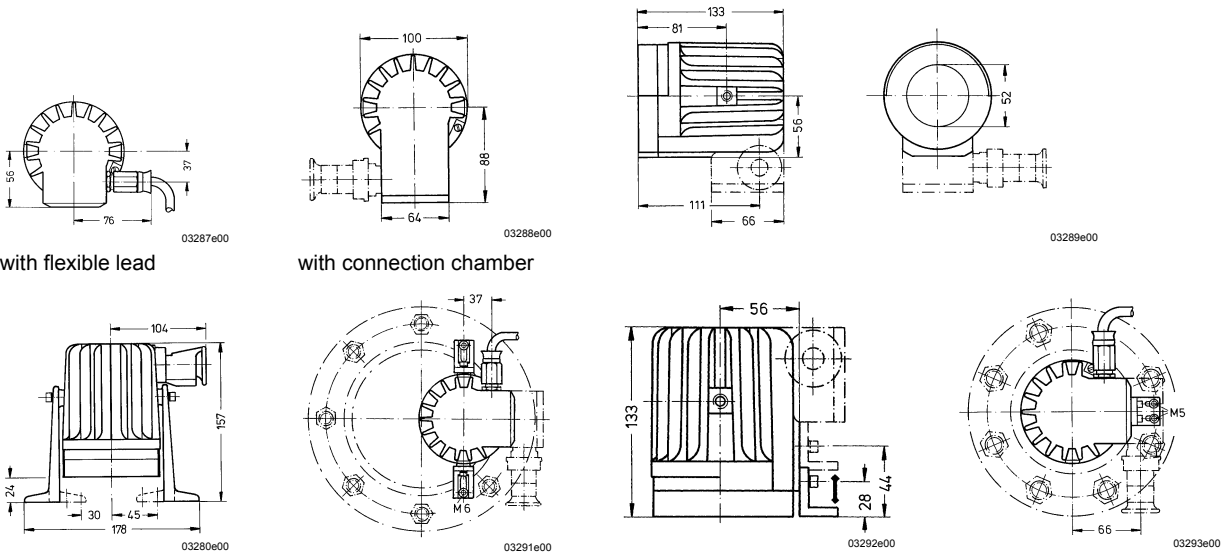
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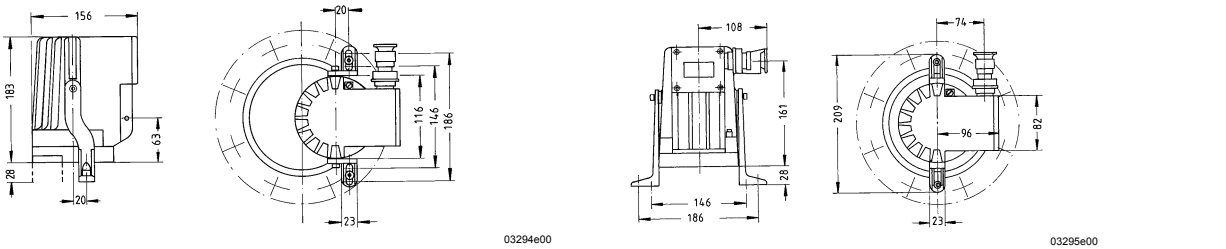
Dimensional Drawings (All Dimension in mm) - Subject to Alterations

E2

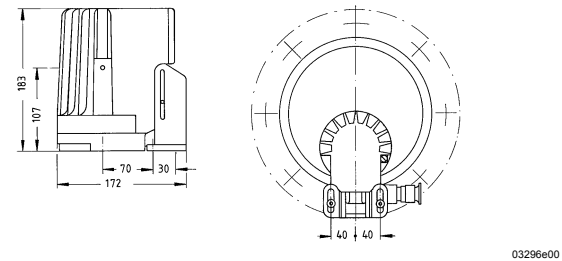


Fixing with tilting hinge
Tank inspection lights, 6122/2 up to 50 W (size 1)

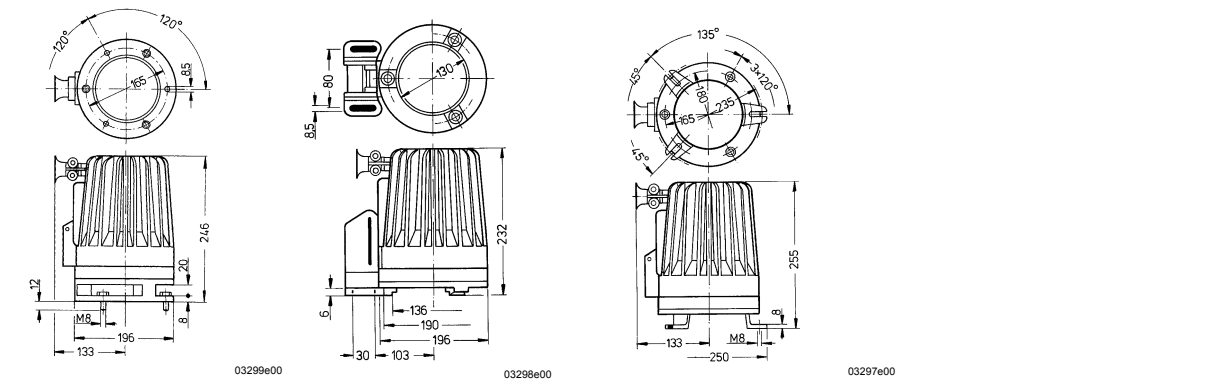
Fixing with mounting bracket



Fixing with tilting hinge



Fixing with tilting hinge
Tank inspection lights, 6122/4, 50 W (size 2)



Flange fixing
Tank inspection lights, 6122/6, 100 W (size 3)

Foot ring fixing