



Tank Inspection Lights Series 6122

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 and Zone 2
- Can be supplied for use with the following lamps:
 - Incandescent lamps
6 W to 25 W
 - Halogen lamps
5 W to 100 W
- Mounting options
 - Tilting hinge
 - Mounting bracket
 - Flange collar
- Corrosion-resistant light metal enclosure
- Glass cover
 - Temperature resistant borosilicate glass or
 - Anti-dazzle opal glass
- Connection options
 - Potted connection lead
 - Connection chamber

STAHL

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

Zone 1 and Zone 2



Selection table						
Description Lamps	Lampholder	Temperature class	Rated voltage [V]	Ordering code with flexible lead 5 m (EEx d IIC)	with connection chamber (EEx de IIC)	Weight [kg]
Tank inspection lights for incandescent lamps						
Size 1						
10 W	E 14	T6	24 V ≈	6122/1-01-010-024	6122/1-11-010-024	1,75/1,65
6 -10 W	E 14	T6	220-260 V ~*	6122/1-01-010-220	6122/1-11-010-220	
15 W	E 14	T6	230 V ~*	6122/1-01-015-220	6122/1-11-015-220	1,75/1,65
25 W	E 14	T5	230 V ~*	–	6122/1-11-025-220	1,65
Tank inspection lights for halogen lamps						
Size 1						
5 W	G4	T6	12 V ≈	6122/1-02-005-012	6122/1-12-005-012	1,75/1,65
			24 V ~*	6122/1-02-005-024	6122/1-12-005-024	2,25/2,15
			36 V ~*	6122/1-02-005-036	6122/1-12-005-036	
			42 V ~*	6122/1-02-005-042	6122/1-12-005-042	
			115 V ~*	6122/1-02-005-115	6122/1-12-005-115	
			230 V ~*	6122/1-02-005-220	6122/1-12-005-220	
240 V ~*	6122/1-02-005-240	6122/1-12-005-240				
10 W	G4	T4	12 V ≈	6122/1-02-010-012	6122/1-12-010-012	1,75/1,65
			24 V ~*	6122/1-02-010-024	6122/1-12-010-024	2,25/2,15
			36 V ~*	6122/1-02-010-036	6122/1-12-010-036	
			42 V ~*	6122/1-02-010-042	6122/1-12-010-042	
			115 V ~*	6122/1-02-010-115	6122/1-12-010-115	
			230 V ~*	6122/1-02-010-220	6122/1-12-010-220	
240 V ~*	6122/1-02-010-240	6122/1-12-010-240				
20 W	G4	T4	12 V ≈	6122/1-02-020-012	6122/1-12-020-012	1,75/1,65
			24 V ~*	6122/1-02-020-024	6122/1-12-020-024	2,25/2,15
			42 V ~*	6122/1-02-020-042	6122/1-12-020-042	
			115 V ~*	6122/1-02-020-115	6122/1-12-020-115	
			230 V ~*	6122/1-02-020-220	6122/1-12-020-220	
240 V ~*	6122/1-02-020-240	6122/1-12-020-240				
50 W	GY 6.35	T3	12 V ≈	–	6122/1-12-050-012	1,65
			24 V ≈	–	6122/1-12-050-024	
Size 2						
50 W	BA 15d	T4	12 V ≈	–	6122/3-12-050-012	2,65
			24 V ~*	–	6122/3-12-050-024	3,60
			36 V ~*	–	6122/3-12-050-036	
			42 V ~*	–	6122/3-12-050-042	
			115 V ~*	–	6122/3-12-050-115	
			230 V ~*	–	6122/3-12-050-220	
			240 V ~*	–	6122/3-12-050-240	
* with built-in transformer secondary 12V						
Size 3						
100 W	GY 6.35	T4	24 V ≈	–	6122/5-12-100-024	7,5
Add. to ordering code:		Text to order:	<ol style="list-style-type: none"> 1) Reflector-halogen lamp unit wide beam „flood“, (standard: concentrated beam „spot“) 2) Housing painted with 2-component epoxy paint 3) Mounting accessories such as tilting hinge, mounting bracket etc., see accessories, order separately! 4) Opal glass cover <p>Size 2 only</p> <ol style="list-style-type: none"> 5) built-in pushbutton for momentary make function 6) electronic limitation of burning hours (see technical data) 7) size 20 also possible in 20 W/T6 			
Note: The light fittings are supplied without lamps and mounting accessories → see accessories.						

Technical data

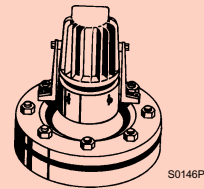
Explosion protection	EEx de IICT ¹⁾ with connection chamber Ex e				
	EEx d IIC T ¹⁾ with connection lead, 5 m				
	1) Temperature class	T6	T5	T4	T3
	Incandescent lamps				
	Size 1	6-10 W 15 W	25 W	–	–
	Halogen lamps				
Size 1	5 W	–	10 W 20 W	50 W	
Size 2	–	–	50 W	–	
Size 3	–	–	100 W	–	
Test certificate	Size 1	PTB No. Ex-87/2027 with incandescent lamps PTB No. Ex-87/2025 with halogen lamps up to 50 W other certificates: BKI (Hungary), TÜV Vienna (Austria)			
	Size 2	L.C.I.E. 90.C.6124 with halogen lamps 50 W other certificates: FTZU (Czech Republic)			
	Size 3	PTB No. Ex-87/2026 with halogen lamps 100 W other certificates: FTZU (Czech Republic), BKI (Hungary)			
Material Enclosure Cover	Corrosion-resistant cast aluminium alloy Standard: Borosilicate glass, resistant to temperature changes up to 300 °C Special: Opal glass to reduce glare when mounted on flow indicator				
Reflector	20 W: Halogen reflector lamps 5/10/50/100 W: highly polished parabolic reflector				
Radiation angle (Halogen lamp)	10° „spot“-Version 20° „flood“-Version				
Degree of protection	up to 50 W-Version: IP 65 100 W-Version: IP 54				
Ambient temperature	– 5 °C ... + 40 °C				
Operating conditions	No restrictions on operating temperature of vessel contents				
Connections	with connection chamber: for max. 2,5 mm ²				
Cable entry with flexibel lead with connection chamber	Temperature-resistant cable 3 x 0,75 mm ² , 5 m long 1 x M20 x 1,5 bell-mouthed gland				
Additional options	Size 2 only – built-in pushbutton for momentary function – electronic limitation of burning hours setting time; standard 4 min., others on request optionally with local or remote control not combined with built-in pushbutton				

Continuation →

Technical data (Continuation)

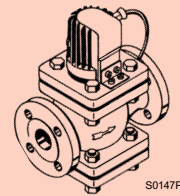
Mounting options
for series up to 50 W
6122/1

Mounting on sight glasses
to DIN 28 120 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



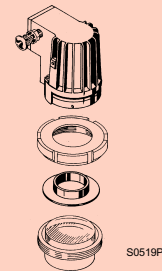
Tilting hinge and anti-dazzle shield

Mounting on flow indicators
with bracket
or customer specified fixing



Mounting bracket

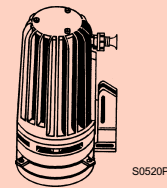
Mounting on screwed sight glasses
to DIN 11 851 (Milkpipe screw fixing glands)
NW 65-NW 100: by means of intermediate
flange collar,
material 1.4301
(specify when ordering)
from NW 125: Mounting bracket on
grooved collar nut



Intermediate flange collar

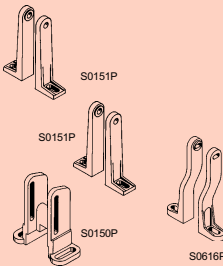
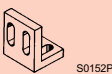

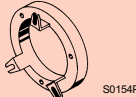

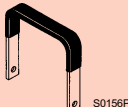



Mounting options
for series 100 W
6122/5

Mounting on sight glasses
to DIN 28 120 or similar:
NW 100-NW 200: with tilting hinge
NW 100-NW 200: with foot ring

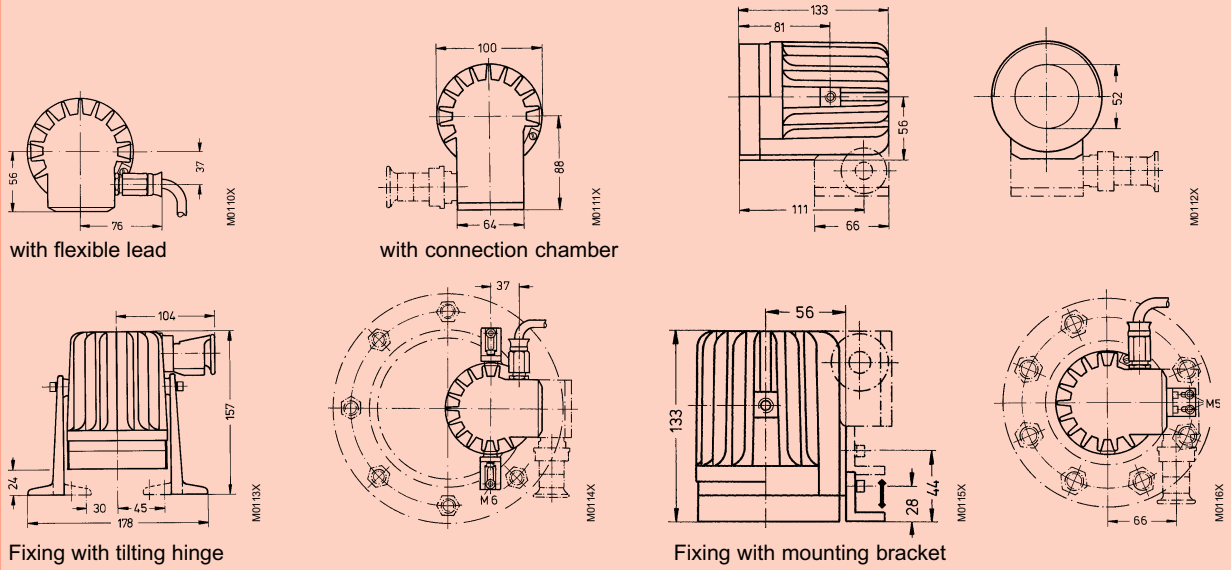


Tilting hinge

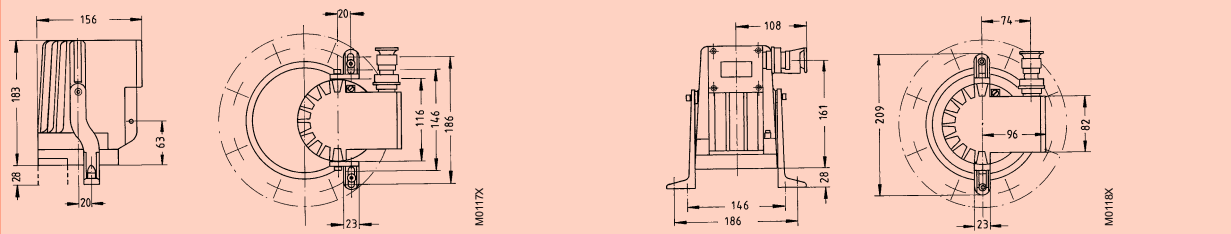
Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight [kg]	
Tilting hinge		for size 1	461 658 0	0,16	
		for size 2	461 792 0 461 793 0	0,20	
		for size 3	461 657 0	0,27	
Mounting bracket		for size 1 50 W	461 598 0	0,03	
Intermediate flange collar		for size 1 DN 65	461 606 0	0,15	
		DN 80/100	on request		
Foot ring		for size 3			
		Sight glasses	NW DN		
		to DIN 28 120	100 125 150/200	461 677 0 461 676 0 461 675 0	0,6 0,6 0,6
		to DIN 28 121	100 - 200	461 678 0	0,5
Anti-dazzle shield		for dazzle-free illumination only up to 50 W and with "tilting hinge" fixing			
		for size 1 for size 2	461 599 0 461 600 0	0,05 0,05	
Transport handle		may be used as handlamp			
		for size 1	461 789 0	0,1	
		for size 2 for size 3	461 791 0 461 790 0	0,1 0,1	
Incandescent lamps		E 14 10 W, 24 V	461 633 0	0,15	
		6 -10 W, 220/260 V	461 632 0	0,15	
		15 W, 230 V	461 634 0	0,15	
		25 W, 230 V	461 635 0	0,15	
Halogen lamps		without reflector			
		Socket			
		G4	5 W/12 V 10 W/12 V	461 646 0 461 647 0	0,10 0,10
		GY 6.35	50 W/12 V 50 W/24 V 100 W/24 V	461 644 0 461 643 0 461 645 0	0,10 0,10 0,10
		with reflector			
		Socket			
		G4	20 W/12 V 20 W/24 V	461 648 0 461 649 0	0,10 0,10
		BA 15d	50 W/12 V	461 642 0	0,10

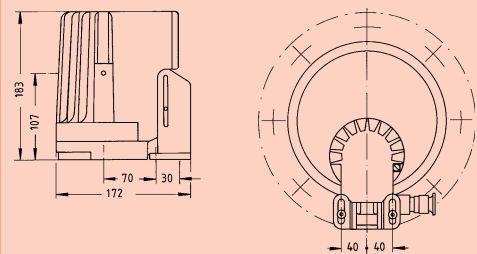
Dimensions (in mm)



Tank inspection lights, 6122/1 up to 50 W (size 1)

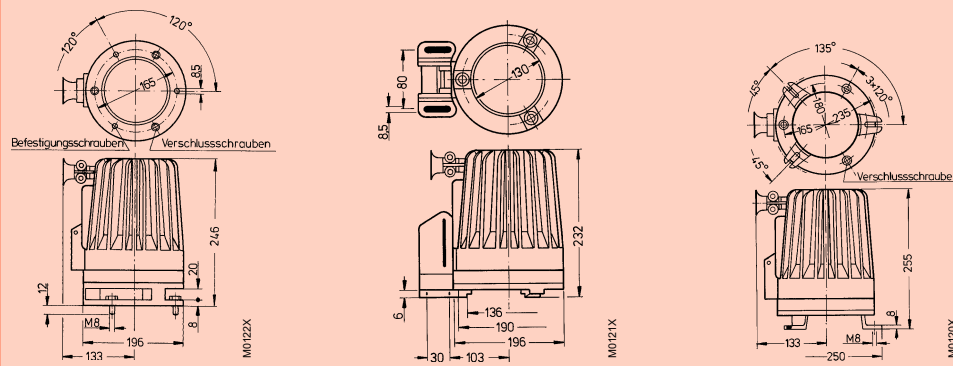


Fixing with tilting hinge



Fixing with tilting hinge

Tank inspection lights, 6122/3, 50 W (size 2)



Flange fixing

Tilting hinge fixing

Foot ring fixing

Tank inspection lights, 6122/5, 100 W (size 3)

