

Inspection Light LED

Series 6149/2



- > Extremely long service life due to LED used
- > Also suitable for machine lighting
- > Anti-roll design in the grip
- > Lockable suspension hooks
- > For 110 ... 240 V AC / DC, 24 ... 48 V AC / DC or 12 V DC
- > High power LEDs including driver in innovative design

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14348E00

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

WebCode 6149B

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Selection Table

Version	Nominal voltage	Temperature class at Ta =		Max. surface temperature		Order number	Weight kg
		40 °C	60 °C	T _{O max} at Ta = 40 °C	T _{O max} at Ta = 60 °C		
Inspection light LED Series 6149	12 V DC	T4	--	100 °C	--	6149/2-2211-5010	1.400
	24 ... 48 V AC / DC; 50 / 60 Hz	T4	T4	100 °C	100 °C	6149/2-3211-5010	1.400
	24 ... 48 V AC / DC; 50 / 60 Hz	T6	--	80° C	--	6149/2-3411-5010	1.400
	110 ... 240 V AC / DC; 50 / 60 Hz	T4	T4	100 °C	100 °C	6149/2-5211-5010	1.400
	110 ... 240 V AC / DC; 50 / 60 Hz	T6	--	80° C	--	6149/2-5411-5010	1.400

Order Number Supplement

Wire guard	without wire guard	6149/ . - . . . - . . . 0
	with wire guard	6149/ . - . . . - . . . 1
Note	- The inspection light is delivered with a 5 m connecting cable (other lengths on request) - The inspection light is delivered without plug and wire guard. Specify the plug on order (see Accessories and Spare Parts).	

Explosion Protection

Global (IECEx) Gas and dust	IECEx PTB 07.0018 Ex d IIC T.* Gb Ex tb IIIC T... °C*
Europe (ATEX) Gas and dust	PTB 07 ATEX 1009 ⊕ II 2 G Ex d IIC T.* Gb ⊕ II 2 D Ex tb IIIC T... °C* Db * surface temperature and temperature class see selection table

Certificates and approvals

Certificates	ATEX, IECEx, Brazil (UL do Brasil), Kazakhstan (GOST-K), Russia (GOST-R), Belarus (GOST-B)
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Technical Data

Electrical Data		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Version		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Rated operational voltage		12 ± 10 % V DC		24 ... 48 ± 10 % V AC / DC; 50 / 60 Hz		110 ... 240 ± 10 % V AC / DC ; 50 / 60 Hz	
Nominal operational current		12 V	1,3 A	24 V AC / DC	0.7 A	110 V AC	0.13 A
				48 V AC / DC	0.3 A	240 V AC	0.07 A
Luminous Characteristics		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Version		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Lamps		LED - typ. 6000K		LED - typ. 6000K		LED - typ. 6000K	
Luminous flux		ca. 600 lm		ca. 600 lm		ca. 670 lm	
Luminous intensity		253 Lux in 1m distance		253 Lux in 1m distance		285 Lux in 1m distance	
Ambient Conditions		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Version		6149/2-2 (12V)		6149/2-3 (24 ... 48 V)		6149/2-5 (110 ... 240 V)	
Ambient temperature		- 40 ... + 40 °C		T4: - 40 ... + 60 °C T6: - 40 ... + 40 °C		T4: - 30 ... + 60 °C T6: - 30 ... + 40 °C	
Mechanical Data							
Degree of protection		IP66 / IP67					
Protection class		II					
Material							
Enclosure tube		Polycarbonate					
Grip		Aluminium					
Sealing cap		Aluminium					
Rubber grip		NBR / PVC (EPDM)					
Suspension hook		NBR / PVC (EPDM)					

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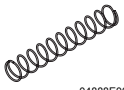
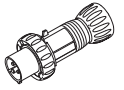
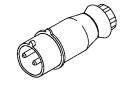
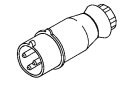


Technical Data

Mounting / Installation

Cable glands	CMP cable gland for rubber case-, Thermflex- and wire mesh lead
Connecting cable	
Standard: connecting cable, 5 m, type H07RN-F, ϕ 7.7 ... 10 mm, 2 x 1 mm ²	
Optional: Gifas Thermoflex cable, 5 m, Type HXSLHXÖ-J, d 7.7 ... 10 mm, 2 x 1.5 mm ² Helukabel with steel wire screening, Type SY-JZ, 2 x 1.5 mm ²	

Accessories and Spare Parts

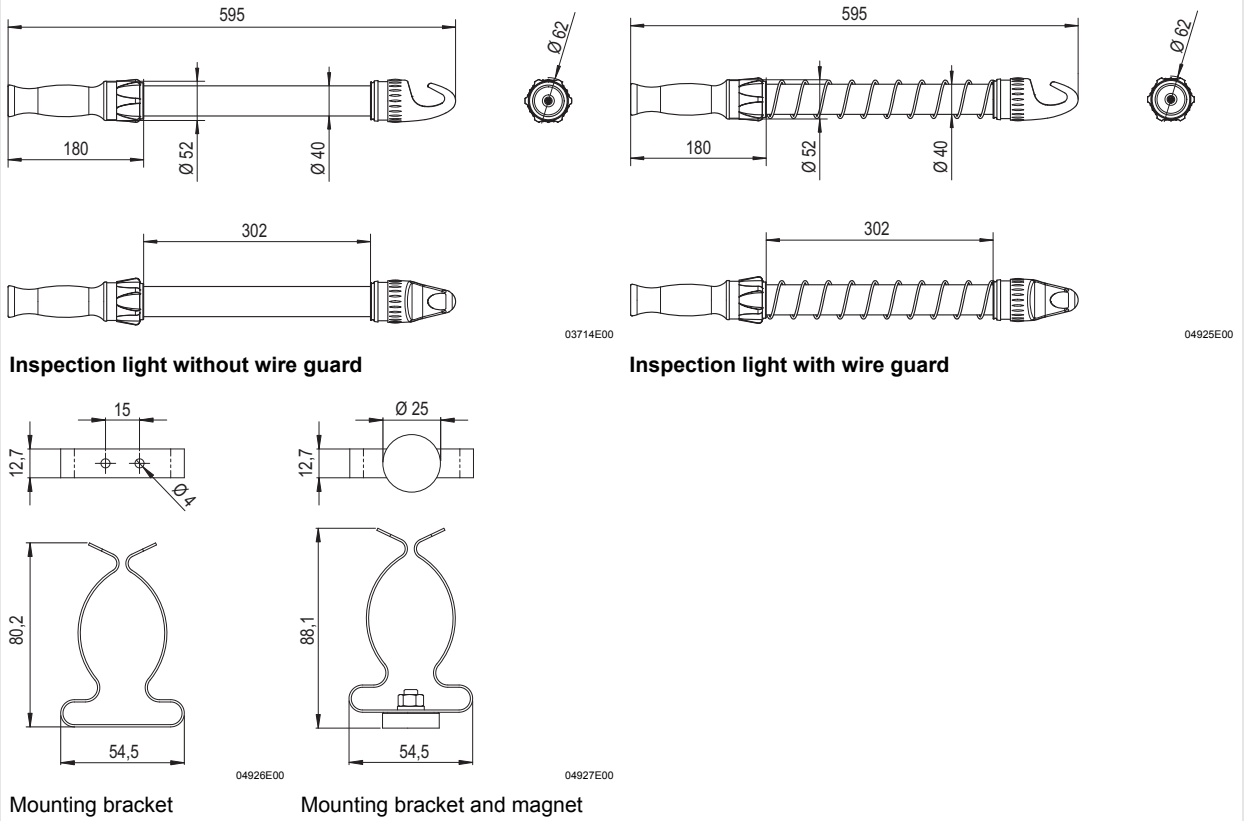
Designation	Illustration	Description	Art. no.	Weight kg
Mounting bracket	 04880E00	Mounting bracket of galvanised sheet steel	120535	0.050
Mounting bracket and magnet	 04885E00	Mounting bracket of galvanised sheet steel and magnet	120536	0.100
Wire guard	 04888E00	Stainless steel wire guard for additional mechanical protection	120509	0.170
Plug	 04923E00	8570/12-304 3 pins, 100 ... 130 V, 50 / 60 Hz, 16 A	150599	0.420
		8570/12-306 3 pins, 200 ... 250 V, 50 / 60 Hz, 16 A	150579	0.420
	 04922E00	8575/12-100 2 pins, 20 ... 25 V, 16 A	151545	0.220
		8575/12-110 2 pins, 20 ... 25 V DC, 16 A	151553	0.220
	 12214E00	8575/12-200 3 pins, 20 ... 25 V, 16 A	151486	0.230
		8575/12-212 3 pins, 40 ... 50 V, 16 A	151496	0.220

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



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.