

# Pendant light fitting with LED

Series 6050/5



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14855E00

- > Maintenance-free operation and long service life with LED
- > Saltwater-resistant enclosure, aluminium alloy, optionally with painting
- > Mounting with ring bolts or tiltable mounting bracket
- > With connection box for easy installation
- > IP68 (10 m depth of immersion for 30 min) at size 1

E2



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

### Explosion Protection

Global (IECEx)	
Gas and dust	IECEx PTB 12.0017 Ex d e op is IIC Tx Gb Ex tb IIIC Txxx°C Db

Europe (ATEX)	
Gas and dust	PTB 11 ATEX 1045 ⊕ II 2 G Ex d e op is IIC Tx Gb ⊕ II 2 D Ex tb IIIC Txxx°C Db 1) See selection table

Certifications and certificates	
Certificates	IECEx, ATEX, China (China-Ex), Kazakhstan (TR), Russia (TR), Ukraine (TR), Belarus (TR)

**WebCode 6050B**

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### Selection Table

Version	Lamps <sup>1)</sup>	Lamp wattage	Temperature class at T <sub>a</sub> =		T <sub>S max</sub> at T <sub>a</sub> = 40 °C	Ordering code	Weight kg
			40 °C	70 °C			
Pendant light fitting Series 6050LED, size 1 65 W; Zone 1, 21	LED	65 W	T4	T4	100 °C	6050/51...-01061-1..1.-11	8.900
	LED*	65 W	T4	T4	100 °C	6050/51...-01061-1..1.-21	9.100
	LED	65 W	T6	--	80 °C	6050/51...-01061-1..1.-31	9.100

### Order Number Supplement

Suspension	two insert threads M8 in the cover of the light fitting	
	with additional mounting bracket (for ceiling and wall mounting)	6050/512-.....-1.....-1 2.100
Cable entries (in connection box)	2 x M25 x 1.5 (standard) → 1 x cable entry, 1 x stopping plug	6050/51.1-.....-1.....-1
	2 x M20 x 1.5 → 1 x cable entry, 1 x stopping plug	6050/51.2-.....-1.....-1
	2 x NPT ¾" → 2 x threaded holes	6050/51.3-.....-1.....-1
	2 x NPT 1" → 2 x threaded holes	6050/51.4-.....-1.....-1
Wire guard	without wire guard	6050/51.....-1.0...-1
	with wire guard	6050/51.....-1.1...-1 1.250
Internal reflector	without internal reflector	6050/51.....-10...-1
	with internal reflector	6050/51.....-11...-1

- Notes:**
- 1) LED → LED
  - LED\* → LED temperature controlled
  - The pendant light fitting is unpainted; painting is possible (on request)
  - The pendant light fittings are supplied with LED
  - External reflector (see Accessories)

### Technical Data

Electrical data				
Rated operational voltage U <sub>e</sub>	100 ... 277 V AC, 50 ... 60 Hz 176 ... 264 V DC			
Rated current	Lamp type	Wattage	Luminous flux at T <sub>a</sub> = 25 °C	I <sub>N</sub>
	LED	65 W	5300 lm	0.9 A at 110 V 0.4 A at 230 V
Power factor	cos φ ≥ 0.9			
Service life LED	50.000h T <sub>a</sub> = 40°C			
	50.000h T <sub>a</sub> = 50°C temperature controlled (LEDs dimmed at T <sub>a</sub> > 40°C)			
	40.000h T <sub>a</sub> = 50°C			
Disconnection of the light	2-pole; when opening safety glass cover (option)			
Ambient conditions				
Ambient temperature	-40 ... +70 °C at T4 or T100°C -40 ... +40 °C at T6 or T80°C			
Mechanical data				
Degree of protection	IP66; IP68 (10 m immersion depth 30 min) (IEC 60598)			
Protection class	I (internal + external PE / PA connection)			

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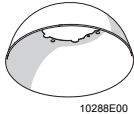

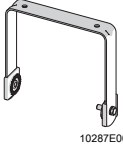
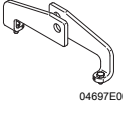
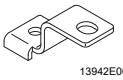

## Technical Data

Material	
Enclosure material	Light metal
Protective glass	Temperature-resistant pressed glass
Cover seal	Silicon
Internal reflector	High-polished aluminium
External reflector	Highest grade aluminium
Wire guard	Steel wire (stainless steel)
Enclosure lock	M 4, Torx screw head

## Mounting / Installation

Position of normal use	any
Cable entry	
Standard	2 x M25 x 1.5; 1 x cable entry Ø 7 ... 17 mm, 1 x stopping plug
Special	- 2 x M20 x 1.5; 1 x cable entry Ø 6 to 13 mm, 1 x stopping plug - 2 x NPT 3/4" threaded holes - 2 x NPT 1" threaded holes
Connection option	L1 + N + PE for 4 mm <sup>2</sup> solid / finely stranded
Mounting	via 2 x M 8 / 2 x M 10 thread inserts in the cover of the light fitting alternatively: via additional mounting bracket (stainless steel), adjustable in 10° steps
Wire guard and external reflector	can easily be mounted later using an M6 mounting screw

## Accessories and Spare Parts



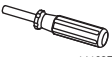
Designation	Illustration	Description	Art. no.	Weight kg
External reflector	 10288E00	Complete with mounting parts Material: high-polished aluminium for 6050/11 and 6050/51, spot beam	<b>118558</b>	0.216
		for 6050/11 and 6050/51, broad beam	<b>118565</b>	0.150
Wire guard	 10289E00	Complete with mounting parts Material: steel wire, stainless steel for 6050/51	<b>221774</b>	0.450
Mounting bracket	 10287E00	Complete; stainless steel (for additional mounting) for 6050/11 and 6050/51	<b>118557</b>	2.100
Single-point mounting fixture	 04697E00	The stainless steel mounting fixture is fastened to the enclosure of the pendant light fitting Series 6050 by means of two stainless steel screws M8. for 6050/11 and 6050/51	<b>118571</b>	0.374
Ceiling mount	 13942E00	For direct installation of the light on the ceiling for 6050/11 and 6050/51	<b>167641</b>	0.150
Ring bolt	 05378E00	M8, direct mounting in insert nuts, 1 pair	<b>115736</b>	0.112

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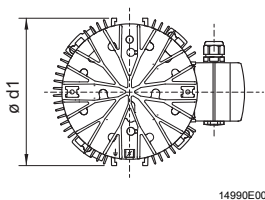
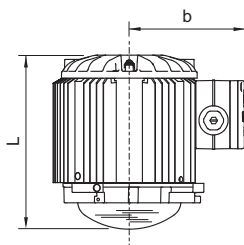
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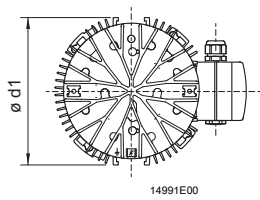
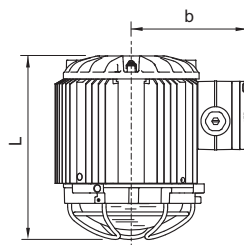
Designation	Illustration	Description	Art. no.	Weight kg	
Cable gland	 02055E00	of moulded material, Series 8161			
		8161/5-M20-13	1 piece	<b>138518</b>	0.012
		8161/5-M20-13	50 pieces	<b>138454</b>	0.600
		8161/5-M25-17	1 piece	<b>138520</b>	0.020
		8161/5-M25-17	50 pieces	<b>138456</b>	1.000
Stopping plug	 04840E00	of moulded material, Series 8290			
		8290/3-M20	1 piece	<b>143522</b>	0.005
		8290/3-M20	100 pieces	<b>143543</b>	0.500
		8290/3-M25 x 1,5	1 pieces	<b>143524</b>	0.007
		8290/3-M25	100 pieces	<b>143544</b>	0.700
Rotary actuator	 14162E00	To tighten the protective glass			
			2 pieces	<b>203994</b>	0.150

### Dimensional Drawings (All Dimensions in mm) – Subject to Alterations



without wire guard

	L	b	d1
6050/5	268	177.8	228



with wire guard

	L	b	d1
6050/5	283.8	177.8	228

### Pendant light fitting Serie 6050/5

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.