



09901E00

Portable Lamps Series HS6145 and HSL145

Portable Lamps Series HS6145

- For use in Zone 1 and Zone 2
- Comply with requirements of Fire Department standard DIN 14 462
- Battery state display
- Deep discharge protection
- Open circuit monitor
- Light intensity 15.000 cd after 4 hours use
- NiCd battery, gas-tight
- Charging unit available for
 - stationary installation
 - installation into vehicles



Portable Lamps Series HSL145

- Industrial design without explosion protection

The electronics of portable lamps Series 6145 and Series L145 are resistant to electromagnetic fields, enabling the lamps to be used with radio equipment.

Zones 1 & 2, Industrial Design

Selection Table

Version	Description	Order number	Weight kg
Explosion protected portable lamp  <small>02911E00</small>	with integrated monitoring electronics	6145/1	1.900
	with integrated charging unit and monitoring electronics	6145/2	2.500
Charging unit* (NON-Ex)	230 V, without emergency light function	6145/91*	2.080
	230 V, with emergency light function	6145/92*	2.090
	12 V / 24 V, without emergency light function; for installation into vehicles	6145/93*	1.800
Industrial type portable lamps (NON-Ex)  <small>02910E00</small>	with integrated monitoring electronics	L145/1	1.900
	without electronics	L145/3	1.600
Charging unit* (NON-Ex)	230 V, without emergency light function	L145/91*	2.000
	230 V, with emergency light function	L145/92*	1.800
	12 V / 24 V, without emergency light function; for installation into vehicles	L145/93*	1.000
	230 V, without emergency light function (Simple version, halve charging current)	L145/96*	2.000
* Attention: Not for use in hazardous areas. Battery charging outside of hazardous area.			

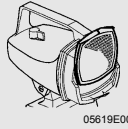
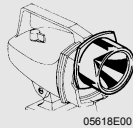


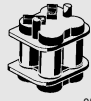



Technical Data						
Version	6145/1 (explosion protected)	6145/2 (explosion protected)	L145/1 (NON-Ex)	L145/3 (NON-Ex)		
Explosion protection	⊕ II 2 G EEx e ib IIC T4		Not explosion protected			
Certificates	PTB 03 ATEX 2150					
Certificate for motor vehicles	e1*72/245*95/54*3406*00		e1*72/245*95/54*3406*00			
Enclosure material	Moulded material; non-abrasive, cold shock resistant; antistatic		Moulded material; non-abrasive, cold shock resistant; antistatic			
Type of protection	IP54		IP54			
Functions	Continuous or flashing light available with main or economy lamp		Continuous or flashing light available with main or economy lamp		only continuous light available	
Head tilting	forward: 20° back: 90°		forward: 20° back: 90°			
Accessories	Diffusing lens; coloured lenses; warning light; all fitted into slots on lamp head		Diffusing lens; coloured lenses; warning light; all fitted into slots on lamp head			
Range	approx. 100 m bei 1 Lux		approx. 100 m bei 1 Lux			
Light aperture	approx. 100 x 100 mm		approx. 100 x 100 mm			
Light intensity	approx. 15 000 cd to 4 h		approx. 15 000 cd to 4 h			
Lamps						
Main lamp	4.8 V / 4 W (BA15d)		4.8 V / 4 W (BA15d)			
Economy lamp	4.8 V / 1.5 W (BA9s)		4.8 V / 8 W (BA15d)		4.8 V / 8 W (BA15d) Rare-gas	
Luminance time per charge						
Main lamp						
Continuous light	approx. 6 h ... 8 h	approx. 6 h ... 7 h	approx. 3 h			
Flashing light	approx. 23 h	approx. 20 h	approx. 9 h			
Economy lamp						
Continuous light	approx. 22 h	approx. 19 h	approx. 22 h			
Flashing light	approx. 80 h	approx. 69 h	approx. 80 h			
Elektronics						
Charge state display	The battery charge level is indicated by 2 LEDs		The battery charge level is indicated by 2 LEDs			
	Battery charge level	LEDs LED 1: LED 2:	Battery charge level	LEDs LED 1: LED 2:		
	> 75 %	ON ON	> 75 %	ON ON		
	> 25 %	OFF ON	> 25 %	OFF ON		
	< 25 %	OFF OFF	< 25 %	OFF OFF		
Deep discharge protection	When battery voltage is low, automatic switchover to economy lamp residual lighted time 10 min ... 20 min		When battery voltage is low, automatic switchover to economy lamp residual lighted time 10 min ... 20 min			
Open circuit monitor	If main lamp is faulty, switchover to economy lamp		If main lamp is faulty, switchover to economy lamp		If main lamp is faulty, switchover to economy lamp	
Battery						
Type	NiCd-battery gas-tight		NiCd-battery gas-tight			
Self - discharge	Ambient temperature	Discharge	Ambient temperature	Discharge		
	at 20 °C	50% after 6 weeks	at 20 °C	50% after 6 weeks		
	at 40 °C	50% after 2 weeks	at 40 °C	50% after 2 weeks		
Rated voltage	4.8 V		4.8 V			



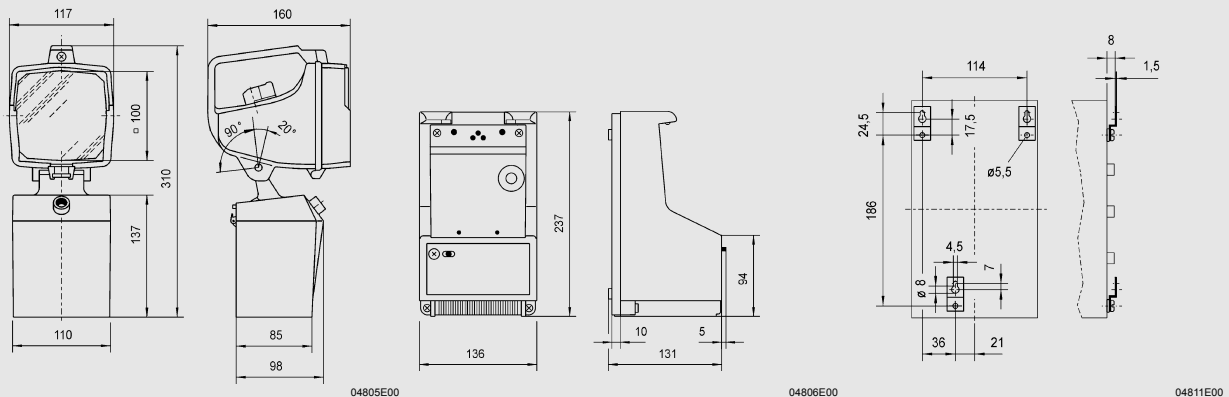
Technical Data								
Charging unit	6145/92	L145/92	6145/91	L145/91	L145/96	6145/93	L145/93	6145/2
Version								
Application	for stationary installation, with emergency light function		for stationary installation, without emergency light function		for stationary installation, without emergency light function (halve charging current)	for installation into vehicles without emergency light function		integrated into light fitting
Housing	Moulded material, black, acid and caustic resistant, self extinguishing					Moulded material, black, acid and caustic resistant, self extinguishing		Moulded material, black, acid and caustic resistant, self extinguishing
Main cable	Length: 2 m; Europlug					Length: 2 m		Length: 2 m; Europlug and coupler
Function								
Emergency light function	LED charge indicator	no indicator	LED charge indicator		no indicator	LED charge indicator		--
	acc. to VDE 0108; if power supply is switched off, lamp fitted in charging unit becomes effective automatically		without			without		possible, together with 9145/92
Rated voltage	230 V, AC 50 Hz / 60 Hz		230 V, AC 50 Hz / 60 Hz			12 V / 24 V, DC (selectable)		230 V, AC 50 Hz / 60 Hz
Protection class	II (all - insulated)		II (all - insulated)			III (Extra-low voltage)		II (all - insulated)
Charging time	230 V AC: 14 h		230 V AC: 14 h			12 V DC: 14 h; 24 V DC: 25 h		230 V AC: 14 h
Charging current	Constant-current		Constant-current			Constant-current		Constant-current
	230 V AC: 700 mA		230 V AC: 700 mA		230 V AC: 350 mA	12 V DC: 700 mA; 24 V DC: 400 mA		230 V AC: 700 mA
Protection category	IOI							
	0.51 Ah/day (Charge 1/2h at 700 mA, 16 h interval)							
Installation	free installation or wall mounting possible							
Interference suppression	acc. to VDE 0875							

Accessories and Spare Parts

Designation	Illustration	Description	Order number	Weight kg	
Auxiliary lens		granulated; fits into slots on lamp head			
		clear	107226	0.020	
		red	107227	0.030	
		green	107230	0.030	
		blue	107228	0.100	
		orange	107229	0.100	
Warning light hood		fits into slots on lamp head; colour: orange deflect light by 90°, for all-round illumination, for use as a warning light where there are obstacles	120209	0.093	
Incandescent lamps		Power saving lamp: 4.8 V / 1.5 W BA9s	120221	0.035	
			Main lamp: 4.8 V / 4 W BA15d	120229	0.030
			Main lamp: 4.8 V / 8 W BA15d	120235	0.026
			Main lamp: 4.8 V / 8 W BA15d (Rare-gas)	120237	0.026
Battery ¹⁾		¹⁾ with screw and spring terminals			
		NiCd, gas-tight (explosion protected)	120148	0.880	
		NiCd, gas-tight (NON-Ex)	120142	0.945	
		NiCd, gas-tight with charging unit for 6145/2	120153	0.800	
Main cable		for 6145/2	105504	0.080	

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



Portable lamp 6145, L145

Charging unit for portable lamp 6145, L145; Wall mounting of charging unit not useable in hazardous area

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