

POLARIS MH70G Ex

Explosion-proof luminaires for gas-discharge lamps



Description

POLARIS series explosion-proof luminaires designed for all classes of indoor and outdoor explosion-hazardous locations in oil/gas and petrochemical industry according to explosion protection marking.

Installation

Universal mounting bracket with angle adjustment capability. Pipe mounting.

Design

Copper-free aluminium alloy housing. The holder, control gear and terminals for power supply are mounted inside the housing. Mounting straps, fasteners are made of stainless steel.

Optical part

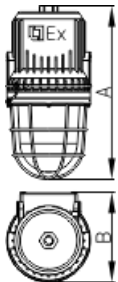
Diffuser is made of impact-resistant tempered borosilicate glass with stainless steel grid. Optionally, it can be supplied with external reflector.

EX Mark

1 Ex d IIC T4 Gb/Ex tb IIIC Ta130°C Db

Characteristics

Explosion-proof protection according "flameproof enclosure "d", "dust ignition "t". Zones: gas explosion protection – 1, 2; dust explosion protection – 21, 22. Terminal: spring terminals, 3x1,5~4 mm² (L+N+PE). Earthing: internal and external, M5.



Dimensional characteristics

A	Length	412 mm
B	Width	214 mm
C	Height	197 mm
D	Length (mounting)	460 mm
E	Width (mounting)	60 mm
	Weight	11.7 kg

Technical features

1	Article no.	4595000090
2	Marking for gas	1 Ex d IIC T4 Gb
3	Dust marking	Ex tb IIIC T130 C Db
4	Mine gas coal dust marking	-
5	Light source	MHL
6	Socle	E27
7	Number of Lamps	1
8	Luminous flux	5200 lm
9	Power compatibility	70 W
10	Ballast	ECG
11	Dimming	-
12	Power factor (cosFI)	> 0,98
13	Alternating/direct current (AC/DC)	No
14	Rated voltage	230 V
15	Electrical shock protection	I
16	Climate application	Clim App1
17	Ambient temperature	-60 to +55 C
18	Housing color	Grey
19	Fire protection class	Ila
20	Flickering	<15%
21	Ingress protection (IP)	IP66
22	Mechanical shock protection	IK08/7 J
23	Energy efficiency class	B...A+
24	Emergency power supply unit	No
25	Beam angle	-
26	Warranty	18 months