



To be used in hazardous areas

MSM has developed an external photocell for use in hazardous areas, enabling automatic switching between day and night modes.

FEATURES

- Classification:
GROUP II: Equipment in surface (no mining).
ZONE 1/2: Category 2.
ZONE 21/22: Category 2.
ATMOSPHERE: GAS and DUST.
- High sensitivity to low light level.
- Protection degree IP66.
- Long service life.



These photocells can be adapted to various ATEX Aids to Navigation equipment to control their switching-on. They are certified for ATEX Zone 1 and Zone 2 applications.

The photocell is housed in a marine-grade aluminium enclosure with epoxy coating to withstand harsh marine environments. A tempered glass window optimizes light capture.

Certification: ATEX & IECEx.

Ex db IIC T4 Gb
Ex tb IIIC T135°C Db

Photoresistance Technical specifications

THREAD	SENSOR	CABLES
M 20 X 1.5	LDR 12 K	2 x 300 mm

Materials and environment

Temperature range:	From -40° to +60°C.
Body and cover:	Marine grade copper free aluminum.
Window:	Transparent tempered glass.
Dimensions (L x W x H):	160 x 159 x 141 mm.
Weight:	1.5 kg.
Watertightness degree:	IP 66.

Standards and Certifications

Gas: II 2G Ex d IIC T6 Gb

Dust: II 2D Ex tb IIC T85° Db

Group II: Equipment in surface (no mining).

Zone 1, 2, 21 & 22: Category 2.

General requirements: EN 60079-0 Standard.

Equipment protection by Flameproof Enclosure: "d", EN 60079-1 Standard.

Equipment protection by Enclosure Protection: "tb", EN 60079-31 Standard.

Temperature Class: T6. 85°C.

Protection against Gas: (G) and Dust (D).

ATEX Certificate No.: BVI 14 ATEX 0068 X Rev. 1

IECEx Certificate No.: IECEx EPS 14.0086X

Options

Other specifications available under request:

- Internal anticondensate painting.
- AISI 316L stainless steel drain valve.

External Photocell-Ex Accessories

Daylight Control Sensors

! Specifications subject to change without previous notice.

