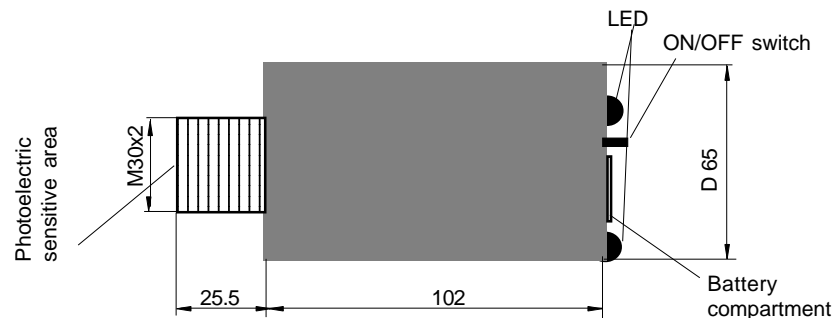


Photoelectric spark detector type FD-7


- For spark detection at high voltage switch gears
- For battery operation
- Short response time

Technical data	Type	FD-7
Spectral sensitivity		450nm up to 1100nm wave length
Response time		appr. 30us
Power supply		Only Battery 9V, VARTA INDUSTRIAL , 4022 9V E-Block BLP3146, 6LR61/ 1604LC
Current consumption		2mA
Maximum power dissipation		appr. 18mW
Battery life		> 150 hours
Housing		Aluminum AC 100
Enclosure rating		IP54
Working temperature range T_{amb}		$0^{\circ}\text{C} < T_{amb} < +60^{\circ}\text{C}$
Storage temperature range		$-10^{\circ}\text{C} \dots +60^{\circ}\text{C}$
Operating status display		1 x LED red and 1 x LED green
Weight		370g
Accessories		--
Display:		LED: green flashing = Device in operation, no spark detected LED: red = Spark detected

Dimensions:


Operating Manual / EC-Declaration of Conformity:
Function

The photoelectric spark detector FD-7 is used to supervise sparks in high voltage switch gears. If a spark is detected, the red LED illuminates and is retained until the power is switches OFF. If the device is in operation and no spark is detected, the green LED flashes.

Mounting prescriptions

The installation is to execute according to the prescriptions of the high voltage switch gear.

Safety informations

Do not charge the batteries or reactivate them using other means. If the device is not in operation remove the battery.

When installing and operating with the sensor, it is necessary to take into consideration the relevant international and other national regulations.

Harmonized standards used:

EN 61000-6-1/-2, EN 61000-6-3/4

Machine directive: 2006/42/EC,

EMC directive: 2004/108/EC,

RoHS directive: 2011/65/EU

Maintenance

No special maintenance is required. If the sensitive area becomes dirty, it should be cleaned with a non-aggressive solvent. Equipment must only be repaired by the manufacturer.

General Notes, disposal

We reserve the right to modify our equipment. Our equipment is designed such way, that it has the least possible adverse effect on the environment. It neither emit or contain any damaging substances and use a minimum of energy and resources. No longer usable or irreparable units and batteries must be disposed of in accordance with local waste disposal regulations.

EC-Declaration of conformity

The conformity of the devices with the EC standards and directives, and the observation of the quality management system ISO 9001:2008 declares:



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