



## EC Declaration of Conformity

**MANUFACTURER:** IDEM SAFETY SWITCHES LIMITED  
Hindley Industrial Estate  
Hindley Green  
Wigan  
Lancashire  
WN2 4HR  
United Kingdom

**THE LISTED DEVICES CONFORM TO THE ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF THE FOLLOWING EUROPEAN DIRECTIVES AND STANDARDS:**

Machinery Directive (2006/42/EC)

**DEVICES:** EMERGENCY STOP SAFETY ROPE SWITCHES  
GUARDIAN LINE SERIES

<b>Type Series:</b>	GLM	GLS	GLHD	GLHL/R
	GLM-SS	GLS-SS	GLHD-SS	GLHL/R-SS

**STANDARDS (plus Amendments):**

EN 60947-5-1:	2017
EN 60947-5-5:	1997:+A2:2017
ISO 13850:	2015
EN 60204-1:	2018

**Materials used in the manufacture of these devices (or any of their associated accessories) are compliant in accordance with Directives:**

2011/65/EU (RoHS2) until 21<sup>st</sup> July 2019  
2015/863 (RoHS3) from 22<sup>nd</sup> July 2019.

A handwritten signature in blue ink, appearing to read 'M. Mohtasham'.

M. Mohtasham Managing Director  
1<sup>st</sup> March 2019

# ATEX / IECEx Limit Switches – Type LS-EX

## Datasheet

Ex d IIC T6 (-20°C ≤ Ta ≤ +60°C) Gb

Ex tb IIIC T85°C (-20°C ≤ Ta ≤ +60°C) Db IP65



Type: LS-EX  
Part No. 920\_\_ \_



### Operation:

All LS-EX Explosion Proof Limit Switches are designed to conform to EN60079-0, IEC60079-1 and EN60079-31. They have a mechanical operating rod, which provides a switching action when depressed. They can be used for position monitoring and provide a positive switching action.

### SPECIFIC CONDITIONS OF USE:

1. THE INTEGRAL CABLE AND OPERATING ROD SHALL BOTH BE SUITABLY PROTECTED FROM PHYSICAL DAMAGE AND ABRASION. THE INTEGRAL CABLE IS TO BE TERMINATED IN A SUITABLE TERMINAL FACILITY.
2. THE SWITCHES ARE INTENDED FOR USE ON FIXED INSTALLATIONS AND IF NOT MOUNTED DIRECT TO EARTHED METALWORK ARE TO BE PROTECTED FROM ELECTROSTATIC RISKS (RUBBING AND CHARGED AIR FLOWS ETC).
3. THESE SWITCHES ARE SEALED UNITS AND NOT USER SERVICEABLE.

THE MAXIMUM SWITCHING CURRENT SHOULD BE OBSERVED FOR 4 WIRE AND 8 WIRE VERSIONS.

THE MOUNTING HOLES ARE NOT TO BE ENLARGED.

Switching frequency 1.0 Hz maximum  
Body Material Nylon PA66  
Enclosure Protection IP65

Certification  
Standards

IEC 60079-0 (EN60079-0)  
IEC 60079-1 (EN60079-1)  
IEC 60079-31 (EN60079-31)

Certificate No's:

EC Type Certificate Number:  
IEC Certificate Number:

Baseefa11ATEX0267X  
IECEx BAS11.0133X

Classification

ATEX Zones 1,21,2,22

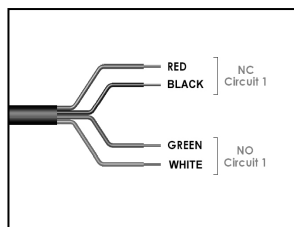


II GD Ex d IIC T6 (-20°C ≤ Ta ≤ +60°C) Gb,  
Ex tb IIIC T85°C (-20°C ≤ Ta ≤ +60°C) Db IP65

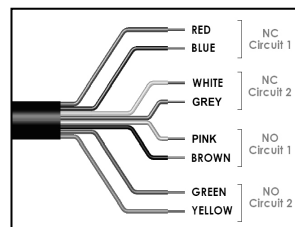
4 wire versions: 250V.ac/dc 4.0A.  
8 wire versions: 250V.ac/dc 2.5A.

### Wiring:

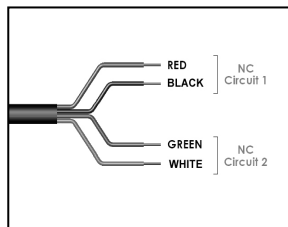
1 NC 1 NO



2 NC 2 NO



2 NC



## EU Declaration of Conformity

Manufacturer: IDEM SAFETY SWITCHES Ltd., WN2 4HR UK



The following products conform to the Essential Health and Safety Requirements of the following European Directives:

Directive for Equipment intended for use in potentially explosive atmospheres: 2014/34/EU

Devices: Limit Switches

Ex d IIC T6 (-20°C ≤ Ta ≤ +60°C) Gb

Types LS-EX

Ex tb IIIC T85°C (-20°C ≤ Ta ≤ +60°C) Db IP65

### Harmonised Standards:

EN60079-0:2011 (This standard has been compared with EN60079-0:2018 and there are no significant changes which affect the equipment).

EN60079-1:2007 (This standard has been compared with EN60079-1:2014 and there are no significant changes which affect the equipment).

EN60079-31:2009 (This standard has been compared with EN60079-31:2014 and there are no significant changes which affect the equipment).

EC Type Certificate Number: Baseefa11ATEX0267X (plus supplements) Date: 04/04/2012 Certified Body: SGS Fimko Oy, FI-00380 Helsinki, Finland (Notified Body Number 0598).

Materials used in the manufacture of these products are RoHS2 compliant in accordance with Directives: 2011/65/EU (RoHS2) until 21<sup>st</sup> July 2019 and 2015/863 (RoHS3) from 22<sup>nd</sup> July 2019.

M. Mohtasham Managing Director 1<sup>st</sup> January 2021

Dwg. 920560-EX Iss.13