

Explosion-Proof Limit Switch LX5-N

Flameproof travel / position switch for hazardous areas – LX5 series

The LX5-N is a flameproof explosion-proof limit (travel) switch for position sensing and travel control of machinery in hazardous areas. The cast flameproof enclosure carries dual gas and dust explosion protection – Ex db IIC T6 Gb / Ex tb IIIC T80 °C Db – with IP66 sealing, and the flexible spring-rod actuating head operates the internal contact when deflected by a moving machine part. Typical duties include conveyors, cranes and hoists, doors and gates, and process machinery in oil & gas, chemical, pharmaceutical and similar plants (gas Zone 1 and 2; combustible-dust Zone 21 and 22).



Photograph: product nameplate of the supplied unit.

General / Identification

Manufacturer	Yueqing Guangchuang Electric Co., Ltd. (乐清市光创电气有限公司)
Model	LX5-N
Series	LX5 series explosion-proof limit switches
Product type	Explosion-proof (flameproof) limit / travel switch
Actuator head	Flexible spring-rod type (series head code "N")

Electrical

Rated voltage	220 / 380 V AC
Rated current	10 A

Explosion Protection & Environment

Ex marking (gas)	Ex db IIC T6 Gb
Ex marking (dust)	Ex tb IIIC T80 °C Db
Hazardous zones	Zone 1 and Zone 2 (gas); Zone 21 and Zone 22 (combustible dust)
Maximum surface temperature (dust)	80 °C
Ingress protection	IP66

Mechanical

Enclosure	Cast flameproof enclosure, textured grey industrial finish
Enclosure warning	Do not open the enclosure while energised

Certification

China Ex certificate no.	SYEx23.08130
Issuing body	Shenyang Institute of Electric Drive (SYEx) – Chinese explosion-protection certification body

Typical Applications

Travel and position control of conveyors, cranes and hoists, doors and gates, packaging lines and process machinery operating in explosive gas or combustible-dust atmospheres.

Specifications are taken from the manufacturer's product nameplate on the supplied unit and are subject to change without notice. Confirm against the current manufacturer manual and explosion-protection certificate before rated or safety-critical use.

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