

Explosion-Proof Limit Switch dLXK-15NC

Flameproof travel / position switch for hazardous areas – HEXLON dLXK Series

The HEXLON dLXK-15NC is an explosion-proof limit (travel) switch for position sensing and travel control of machinery in hazardous areas. Its flameproof aluminium-alloy 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 1 NO + 1 NC 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 (Zone 1/2 gas; Zone 21/22 dust).



General / Identification

Brand	HEXLON (HEXLON Explosion-Proof Electric Co., Ltd.)
Model	dLXK-15NC
Series	dLXK Series explosion-proof limit switches
Product type	Explosion-proof limit (travel) switch
Actuator head	Flexible spring-rod ("N" type / wobble-stick)
Contact configuration	1 NO + 1 NC

Electrical

Rated voltage	380 V AC
Series voltage options	24 / 36 / 110 / 127 / 220 / 380 V AC; 12 / 24 / 36 / 110 / 220 V DC
Rated current	5 A max.

Explosion Protection & Environment

Ex marking (gas)	Ex db IIC T6 Gb
Ex marking (dust)	Ex tb IIIC T80 °C Db
Hazardous zones	Zone 1, Zone 2 (gas); Zone 21, Zone 22 (dust)
Ingress protection	IP66
Ambient temperature	-40 °C to +60 °C (IIC version)

Mechanical

Enclosure	Aluminium alloy, powder coated, industrial grey (RAL 7035)
Exposed fasteners	Stainless steel
Action travel/angle ("N" head)	12° – 20°
Net weight	0.35 kg

Connections

Cable entry	M20 × 1.5 (standard); NPT 1/2" optional
Suitable cable outer diameter	Ø8 – Ø10 mm

Compliance / Certification

China Ex certificate no.	GYB19.2082X
Conformity to standards	GB 3836.1, GB 3836.2, GB 12476.1, GB 12476.5

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 published data and are subject to change without notice. Confirm against the current manufacturer manual before rated or safety-critical use.

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