

GXS Series Explosion proof limit switches EExd



Features

- II 2 G EExd IIC T6
- KEMA 00 ATEX 2103 X
- Conforms to EN50014, EN50018, CE marked.
- EN50047 mounting compatible.
- Rugged zinc die-cast housing.
- Pre-wired - 5 metres of cable.
- Bottom exit cable ONLY.
- Double insulated switch element
- Snap action basic switch

Benefits

- Flameproof protection
- Meets product design and quality systems requirements of ATEX 94/9/EG, mandatory 2003.
- Standard European mounting.
- Suitable for difficult operating environments.
- Fast and easy to install.
- Fully potted cable and basic switch.
- External earth connection not required.
- Change over, 3 wire device, 1NC/1NO

Description

The GXS series explosion proof limit switches are designed specifically for use in hazardous applications. The GXS enclosure is fully potted and has sealing protection of IP66/67 as per IEC/EN 60529. The entire series GXS complies with the European Directive on Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres (94/9/EC) commonly referred to as the ATEX Directive.

Typical applications

- Hazardous areas Category 2 (Zone 1) or Category 3 (Zone 2).
- Petrochemical
- Material handling
- Valve

Zone Classification			
Category	Flammable atmospheres	Protection required	Requirements for equipment
2	Medium risk of an explosive atmosphere occurring Gas = Zone 1	High	Equipment is capable of operating safely under a single fault condition (ib) or alternatively one or more types of suitable protection is used. For example, 'd', 'e', 'p' etc.
3	Low risk of an explosive atmosphere occurring Gas = Zone 2	Normal	Equipment for safe use in normal operation, typically (Ex n) equipment.



WARNING



MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalogue) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

GXS Series

Explosion proof limit switches

Technical information	
Specifications	
Mechanical life:	up to 2 million operations
Degree of protection:	IP66/67, EN 60529
Operating temperature:	-20 °C to 75 °C @ 3 A (-4 °F to 167 °F @ 3 A) -20 °C to 60 °C @ 4 A (-4 °F to 140 °F @ 4 A)
Standards/approvals:	EN 50014: 1997 EN 50018: 1994 CE marked  II 2 G EExd II T6  KEMA 00 ATEX 2103 X (‘X’ indicates special conditions for safe use, see certificate)
Electrical rating:	AC15, DC13 ac (Ue): 250 V 4 A dc (Ue): 250 V 0.15 A 1NC/1NO change over contacts Double insulated switch element No internal or external earth connection
Contact material:	Silver
Cable/enclosure:	HO5VV-F, 3 core x 0,75 mm ² Black (BK) - common Blue (BU) - NC Brown (BN) - NO Fully potted enclosure
Shock:	50 g - IEC 68-2-27
Vibration:	10 g - IEC 68-2-6

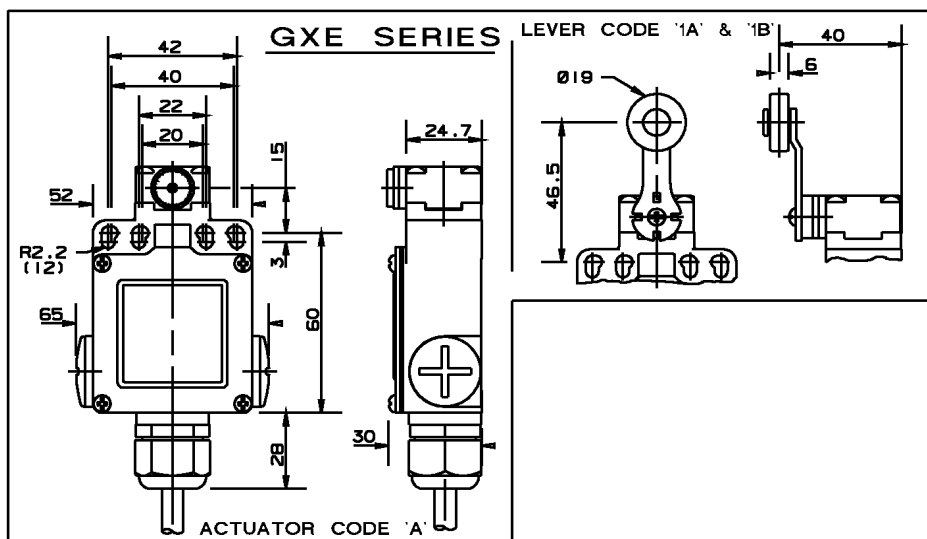
Order guide	
Description	Catalogue Listing
Side Rotary Lever	GXE51A1B
Top Pin Plunger	GXE51B
Top Roller Plunger	GXE51C

GXS Series

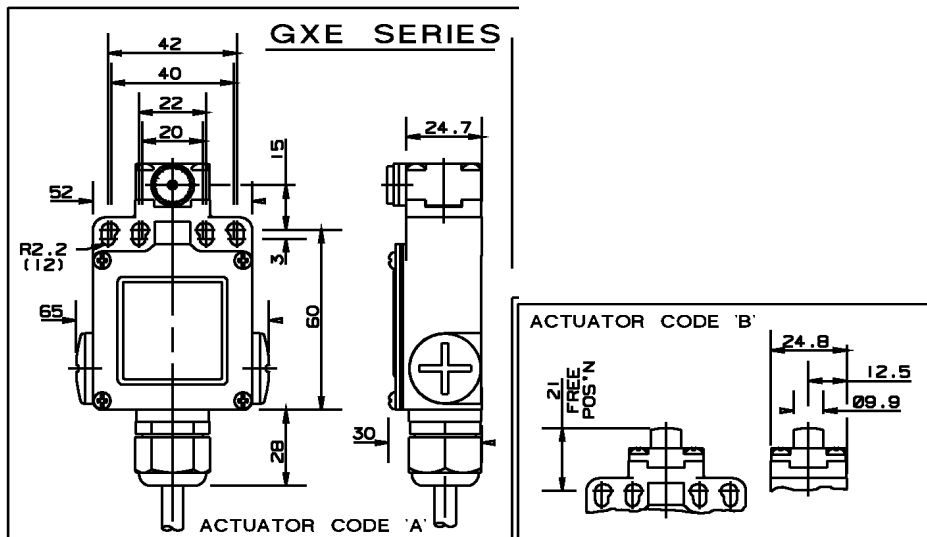
Explosion proof limit switches

Mounting drawings (in mm)

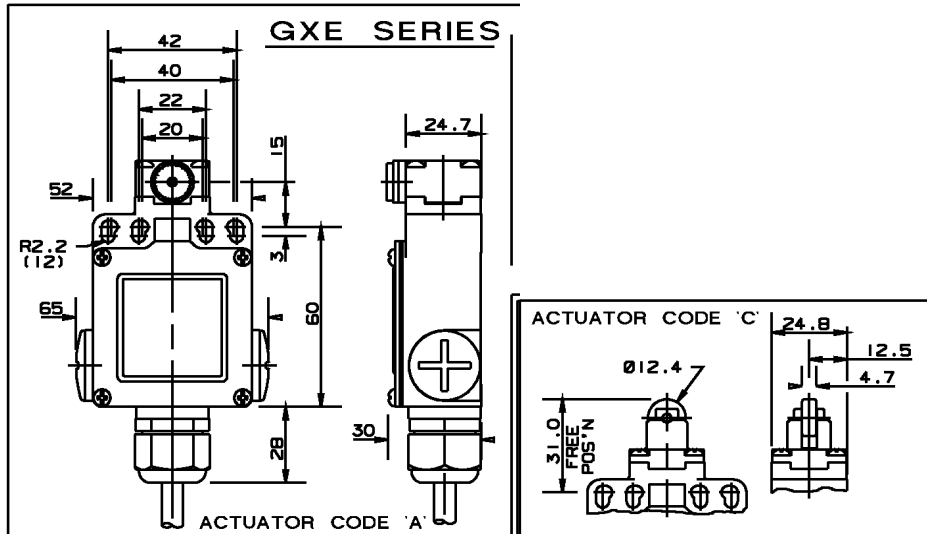
GXE51A1B



GXE51B



GXE51C



Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective material and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during that period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and **is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.**

While we provide application assistance, personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change at any time without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

Sales and Service

Honeywell serves its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or name of the nearest Authorised Distributor, contact your local sales office or: INTERNET: www.honeywell.com/sensing
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