GI SERIES GUARDBOX



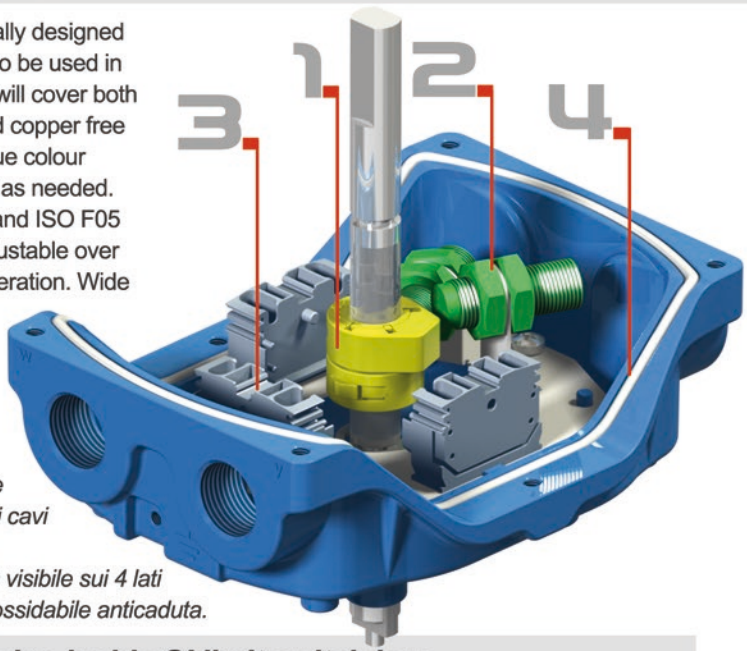
*Cu 0,08% max

Technical data

Housing material	Copper free aluminium*or AISI316L
Aluminium surface protection	Alodine
Aluminium paint	Polyester powder coated RAL5015 colour
Shaft AISI316L	Hardened AISI316L Stainless steel
Seal	Silicone rubber
Visual indicator	Polycarbonate or Glass
Temperature range	-25°C + 85°C (-60°C / +105°C option)
IP degree	IP66 - IP67
Switch /sensor Type	ES-ED-MS-MD-PN-TX-TY
Cable entries	No.2 standard (3 or 4 as option)
Certificate	IECEx EXA 15.0007X - EXA 15 ATEX 0040X

Guardbox Intrinsically safe Ex ia GI series limit switch box

GI Guardbox Intrinsically safe series derived from GP enclosures. Specifically designed to be installed into potentially explosive atmosphere GI series are certified to be used in a dust zone 20,21 & 22 and gas zone 0,1 & 2 explosive area , certification will cover both enclosures and contact/sensor inside. Available in polyester powder coated copper free aluminium or AISI316L stainless steel. Easy recognizable for RAL 5015 Blue colour intrinsic safety standard. Ability to have up to 4 cable entries Metric or NPT as needed. Connection to shaft according to the international standard VDI/VDE3845 and ISO F05 interface to the fixture. 3D visual indicator visible on all 4 sides and fully adjustable over 360°, captive cover locking screw in stainless steel to prevent loosing in operation. Wide range of multiple standard contacts or sensors available fixable inside.



GI series intrinsic safe box specificamente progettati per essere installati in aree classificate con presenza di gas e polveri a rischio di esplosione, forniti con certificazione Atex / IECex Exia IIB/IIC Ga o Gb Exia IIIC Da.Disponibili in alluminio verniciato a polvere poliestere Blue RAL 5015 o in acciaio inossidabile la serie GI è progettata per resistere alle più estreme condizioni metereologiche. Possibilità di avere fino a 4 ingressi cavi metrici o NPT. Collegamento all'albero secondo lo standard internazionale VDI / VDE3845 e interfaccia ISO F05 per lo staffaggio. Indicatore visivo 3D visibile sui 4 lati e completamente regolabile a 360 °, viti di chiusura coperchio in acciaio inossidabile anticaduta.

Discover "easy on field" design inside GI limit switch box

QR code to access GI documentation
Codice QR per accedere alla documentazione della serie GI.

1 2 3 4

- Easy tool free cam regulations thanks to our patent Guardbox design.Integrally plastic "spring free"cams.
  Facile e precisa regolazione della camma senza l'utilizzo di utensili grazie ad un innovativo brevetto Guardbox. Camme integralmente in materiale termoplastico prive di molla metallica.
- Easy to find right switch or proximity sensor based on your needs inside the wide range of products available.
  Facile trovare il giusto switch o sensore di prossimità all'interno dell'ampia gamma disponibile.
- Easy to use extra blue RAL5015 terminal strip and use of limit switch box as a junction box.
  Facile utilizzare il limit switch box come junction box grazie ai morsetti extra sempre disponibili all'interno.
- Easy wiring connection to terminal strip due an innovative ergonomic design of the enclosures.
  Facile cablaggio grazie ad un design ergonomico del box che consente un comodo accesso ai morsetti.

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Product series ■ Material ■ Cable entries ■ Fixing bracket ■ 3D position indicator ■ Ambient T(°C) ■ Terminal strip ■ Switch type&qty ■ Switch code ■ Special features

GI

Material	Cable entries	Fixing bracket	3D position indicator	Ambient T(°C)	Terminal strip	Switch type&qty	Switch code	Special features
Aluminium Copper free A	Nos.2 M20 x 1,5 N	80 x 30 h20 2	Red Closed / Green Open RG	-25°C + 85°C S	Nos.2 extra (Standard) 2	Switch qty (enter no.)	Omit (Standard)	
AISI 316L Stainless steel S	Nos.4 M20 x 1,5 O	80 x 30 h 30 3	Yellow Closed /Black Open YB	-25°C + 105°C H	Customized **0		SIL2* S2	
	Nos.2 M25 x 1,5 P	80 x 30 h 40 4	Adjustable Indicator R/G LI	-40°C + 85°C L			SIL3* S3	
	Nos.4 M25 x 1,5 Q	130 x 30 h 50 5	Aluminium rotary disk AI	-60°C + 85°C E			EAC Ex certificate RE	
	Nos.2 1/2" NPT R	not included 0	Glass cover (Red/Green) GI	Customized ** X			EAC Ex certificate 3D indicator & labels in Russian language RU	
	Nos.4 1/2" NPT S	Customized **C	Blind cover no indicator BI				3D protective cage PI	
	Nos.2 3/4" NPT T		Customized ** CI				Drawing number *DW*	
	Nos.4 3/4" NPT U						*DW* for special features (will be assigned in case of order)	
	1x M20 +1x M25 V							
	1x 1/2" + 1 x 3/4"W							
	Customized ** Z							

Customized ** or * : please contact our sales team

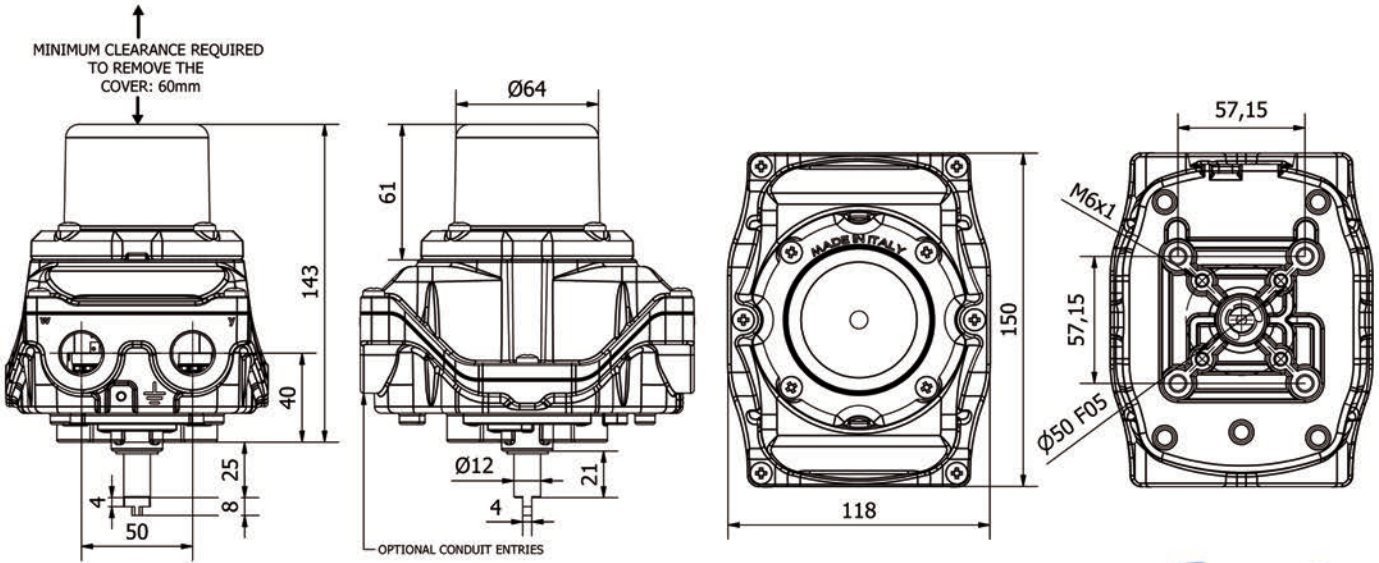
ES	02	Electromechanical SPDT gold plated contacts sealed max 16V 76mA	PN	50	Inductive proximity Namur P+F NJ2 V3 N nominal voltage 8VDC temp.range -25°C/+100°C
ES	03	Electromechanical SPDT gold plated contacts LT-60°C max 16V 76mA	PN	51	Inductive proximity Namur P+F NJ4 12GK N nominal voltage 8VDC temp.range -25°C/+100°C
ED	22	Electromechanical DPDT gold plated contacts max 16V 76mA	PN	56	Inductive proximity Namur P+F SJ 3,5 N nominal voltage 8VDC temp.range -25°C/+100°C
ED	23	Electromechanical DPDT gold plated contacts sealed max 16V 76mA	PN	54	Inductive proximity Namur P+F NJ4 12GK SN nominal voltage 8VDC temp.range -50°C/+100°C
MS	81	Magnetic proximity SPDT hermetically sealed max 16V 76mA	PN	57	Inductive proximity Namur P+F SJ 3,5 SN nominal voltage 8VDC temp.range -50°C/+100°C
MD	82	Magnetic proximity DPDT hermetically sealed max 16V 76mA	TX	76	Position transmitter 4-20 mA Exia loop link HART 8...30 VDC programmable - termp.-40/+85°C

Insert code number for standard switch or sensor based on list.

Contact us for complete list of switches and sensors availables.

Code example: GISR0RGS2PN450

Dimensional drawing (mm)



Data sheet GI0006-16 All content contained herein is subject to change without notice

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