



GLI manufacturing summarises years of experience and know-how of electronic devices suitable for electromechanical environments because of its great resistance against any heavy duty conditions.

Utilisation of components already mounted on a large variety of over tested devices allows to obtain a product of sure safety and low cost.

Material choice guarantees very wide temperature range, water proof box assures humidity, insensibility and compatibility with the most restrictive IP degree protections.

The electronic circuit is engineered with an oversized method in order to prevent failure and obtain very long life utilisation even in the worst case of work conditions.

Superior shock resistance is obtained by poliurethan resin filling.

GLI/C Gas Level Indicator

Highlights:

- ◆ Wide temperature range
- ◆ Suitable for electromechanical environments
- ◆ Resin filling for shock resistance
- ◆ Water proof
- ◆ Low cost
- ◆ Oversized choice of components for long life utilisation: MTBF > 40 years
- ◆ Mini dimensions to fit every tank

Technical features

Nominal voltage :.....24, 48,110 VCC; 60, 220 VCA
Temperature range :..... -30°C ÷ 85°C
Output:1 change-over contact for alarm
:1 change-over contact for lock
:1 NO + 1 NC contact for lock
Local indication:.....leds for ok, lock, alarm
Surge strength :..... 4kV
Dielectric strength :.....5kV/1.2X50us
IP degree protection :.....IP67(*)
Particular features:..suitable for heavy duty environments
.....shock resistant

Relè features

Contacts Material :.....Ag. Ni
Nominal Value :.....8A 250VAC (cosφ=1.0)
Electric live :..... AC1 150x10³ cycles
Mechanical live :.....10 x 10⁶ cycles
Dielectric strength (open contacts) :.....1kVAC 1min
(coil-contacts) :.....5kVAC 1min
MTBF according to IEC 1709 and MIL-S-19500.>40 years

(*) output connector IP30

Material

Box :.....ABS filled with polyurethan resin (2-component)
Input &output.....Molex 20 poles connector

Device is just studied for control and indication of SF6 gas level inside the tank and gives out real time local light indication and change-over contacts for protection.

Local indications are:

- ◆ Green led for OK level
- ◆ Yellow led for ALARM level
- ◆ Red led for LOCK level

Each level is moreover linked with a relay contact. Connection is made by fast coupling and fail proof connector.

GAS CONTROLLER

GLI/C. Rev.B 25.01.2013

Rev./Mod A Data 20.09.2004 Descrizione: MODIFICATO CABLAGGIO USCITA	Rev./Mod B Data 22.09.2004 Descrizione: MODIFICATO CABLAGGIO	Rev./Mod C Data 20.01.2005 Descrizione: MODIFICATO CODICI ABB	Rev./Mod D Data 18.03.05 Descrizione: TOLTO CABLAGGIO	Rev./Mod E Data 18.07.06 Descrizione: AGGIUNTO RELE' SONG CHUAN	Rev./Mod F Data 30.08.06 Descrizione: AGGIUNTO POS.18
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Rev./Mod G
Data 25.01.2013
Descrizione: GENERAL UPDATES

ORDERING CODE:
Codice : GLI/C/-----
1 2 3

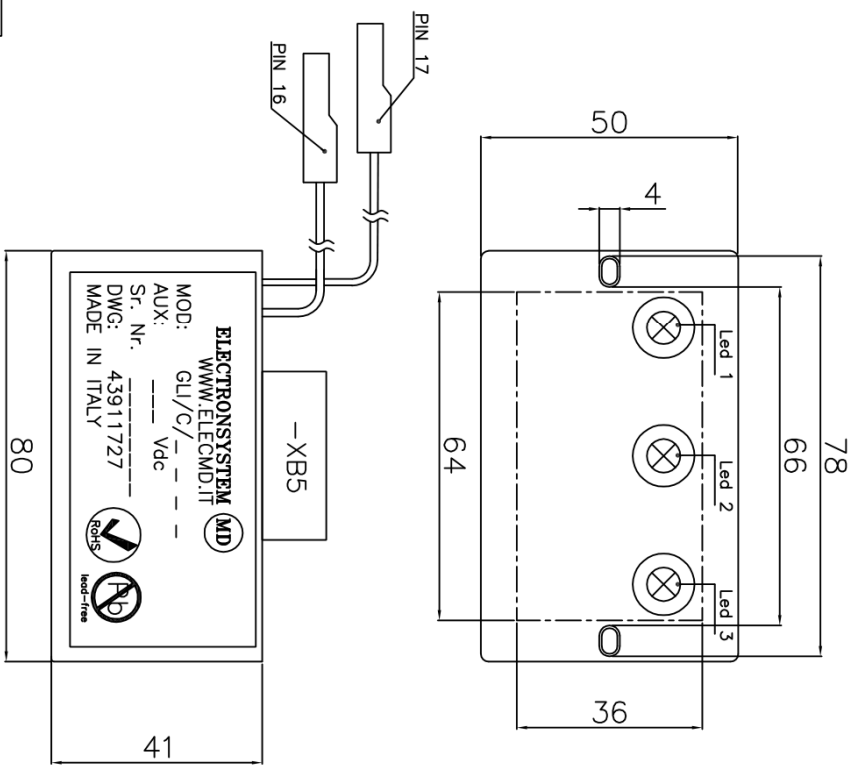
1-2-3 = Code for auxiliary voltage identification (tab.1)

Piano di Completamento (UNI 4842-75)

LIVELLO	LQA
L2	1

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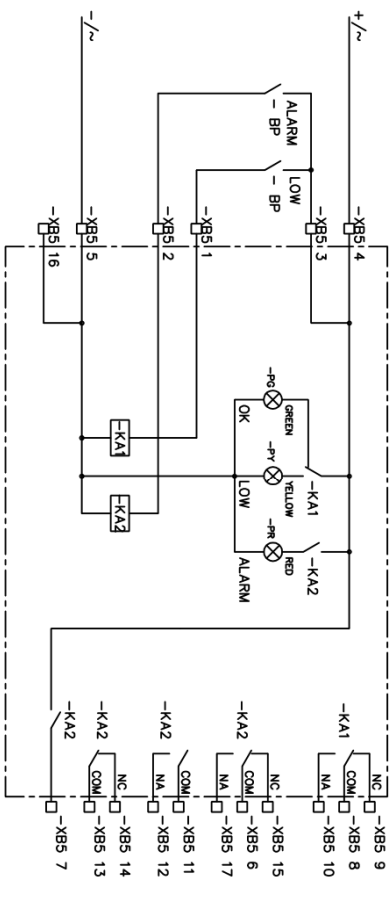


Description:

- Led 1 : Gas pressure insufficient/lock (RED)
- Led 2 : Gas pressure low/alarm (YELLOW)
- Led 3 : Gas pressure ok (GREEN)
- XBS : AMP CONNECTOR 15 POLES COD : 350765/4

Note :

- The contacts have a breaking capacity of min. 8 A
- Dash-dot line indicates the drilling template of front panel



TAB. 1

GROUP	AUXILIARY VOLTAGE
801	24-30 V ---
802	48-60 V ---
803	110-125V ---
804	220V ---
805	220,230,240 V 50-60 HZ

Fig. _____	Material/Materiale	N° Series / Serie	Finishing / Finiture
Filing Room Archivio	Thread quality, tolerance Tolleranze T9-65° UNI 5541-65	General tolerance for machining / Tolleranze generali per lavorazioni meccaniche:	
Prep. G. FORLANI	Coord. Purching. N.C. mach. Coord. purching. o C.N. S311	Quality for linear dimension Qualità per quote lineari	Scale fine / Fine Medion / Medio Coarse / Grossolano
App. P. GUZZETTI	Resp. Dep. Uff. Resp.	Title Titolo	Scale Scala
Rev./Mod. 0 20.05.2002 : Emissione nuovo disegno	Uff. Tecnico	SEGNALATORE LIVELLO GAS	1:1
ELECTRONSYSTEM MD S.r.l.		Apparatus Doc. No. N° Doc.	Scale Scala
		43911727	1:1