



(1) TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) Type Examination Certificate Number

TÜV 24 ATEX 9227 U

Issue: 00

(4) Equipment: **Magnetic Relay**
Type(s): **C(F/S)30 series**

(5) Manufacturer: **Carlo Gavazzi Ltd.**
(6) Address: **BLB042, Bulebel Industrial Estate ZTN 3000 Zejtun Malta**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex9227.00/24

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018

EN IEC 60079-15: 2019

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



II 3 G Ex nC IIC Gc

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-02-28

Dipl.-Ing. He Mei



This Type Examination Certificate without signature and stamp shall not be valid.

This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **Type Examination Certificate**

TÜV 24 ATEX 9227 U

Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Magnetic Relay

Type(s): C(F/S)30 series

This report covers the following types:

C	-	F30	-	A	-	002	-	120VAC	-	AX
I		II		III		IV		V		VI

- I. Type:
C
- II. Terminal version:
S30: Soldering
F30: Fast-on
- III. Coil version
A: AC
D: DC
- IV. Contact form:
002: 2 change over contact (DPDT)
200: 2 normally open contact (DPST)
- V. Rated coil voltage:
Xxx or Xxx VDC: (5, 6, 12, ,24, 48, 110VDC)
Xxx or Xxx VAC: (24, 120, 208, 220, 240, 277VAC)
Remark : 208 only for 60Hz, 220 only for 50Hz
- VI. AX:
ATEX and NWFR

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15.2 Description

General product information

The devices are open type magnetically operated sealed relays, single pole-double throw or single pole-single throw, normally open and normally closed contacts.
These devices are magnetic relay intended to be mounted in suitable enclosure in the end application.

Electrical data

Coil connectors rating: 5Vdc to 110Vdc and 24Vac to 277Vac
Contact connectors rating: 24Vac to 277Vac, 30A and 480Vac, 15A

Environmental data

Service temperature: -40°C to +85°C

(16) Test-Report No. GC/Ex9227.00/24

(17) Schedule of Limitations


1. The service temperature range of the sealant of the relay is -40°C to 121°C, and it's evaluated under ambient range -40°C to 85°C.
2. The subject devices have not been evaluated to the enclosure requirements for the required. Protection method. They shall be mounted within an enclosure that provides a degree of protection not less than IP54 in accordance with EN IEC 60079-15.
3. All connections provided are factory wiring only.
4. The clearance and creepage distance of conductive parts on the enclosure shall comply with EN 60079-7 and requires a further assessment.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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