



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001040

Applicant	Newson Gale Limited
Address	Omega House, Private Road 8, Colwick, Nottingham NG4 2JX, UK
Manufacturer	Newson Gale Limited
Address	Omega House, Private Road 8, Colwick, Nottingham NG4 2JX, UK
Production Factory	Newson Gale Limited
Production Address	Omega House, Private Road 8, Colwick, Nottingham NG4 2JX, UK
Product	Earth-Rite ER II
Model/Type	See annex
Ex marking	Ex db [ia Ga] IIC T6 Gb, Ex tb [ia Da] IIIC T80°C Db
Reference Standards	GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.4-2021, GB/T3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (2 pages).

Initial issue date: 2021-05-11

Issued date: 2023-04-29

Valid to: 2026-05-10

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:

穆大玉



Nanyang Explosion Protected Electrical
Apparatus Research Institute Co., Ltd.



<http://www.ccc-cnex.com>
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CN 0001993



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Product information:

1. This certificate covers the following models:

- RTRMEA*, (a.c. supply, tri-mode version);
- PLUSMEA*(a.c. supply, single-mode version);
- FIBCMEA* (a.c. supply, single-mode version);
- RTRMED* (d.c. supply, tri-mode version);
- PLUSMED* (d.c. supply, single-mode version);
- FIBCMED* (d.c. supply, single-mode version);
- MGVMED* (d.c. supply, tri-mode version);

*: none or S, S: optional Intrinsically Safe switching PCB which is used to switch an external intrinsically safe circuits or signals.

For all versions, $U_m = 250$ V ac or 250 V dc. The models have the following safety descriptions:

RTRMEA, RTRMED & MGVMED models		PLUSMEA & PLUSMED models	FIBCMEA & FIBCMED models
Tri-mode IS output at PL3/PL4	Tri-mode IS output at PL2	Single mode IS output at PL3/PL4	Single mode IS output at PL3/PL4
$U_o = 8.61$ V $I_o = 60$ mA $P_o = 129$ mW $C_o = 1.0$ μ F $L_o = 9.8$ mH	Simple apparatus only	$U_o = 8.61$ V $I_o = 41$ mA $P_o = 88$ mW $C_o = 0.361$ μ F $L_o = 21$ mH	$U_o = 8.61$ V $I_o = 0.87$ mA $P_o = 8$ mW $C_o = 5.9$ μ F $L_o = 46$ H

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For all models, intrinsic safety is maintained if the cable connected to any intrinsically safe output terminal does not exceed 100m.

Optional Intrinsically Safe switching PCB which is used to switch an external intrinsically safe circuits or signals with the following I.S parameters

Optional IS Switching PCB Terminal PL1
Ui = 30 V, Ii = 500 mA, Ci = 0, Li = 0

IP Degree: IP66

Ex marking: Ex db [ia Ga] IIC T6 Gb, Ex tb [ia Da] IIIC T80°C Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Rated ambient temperature range: -40°C~+55°C.
- See product instructions for other information.

3. Certificate related report(s):

- Type test report: CQST2011C086, CQST2011C086/01
- Factory inspection report: CN2023Q030172

4. Certificate change information:

- 1st change on April 29, 2023:

Updated the standards for certification.

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