



EXPLOSION PROTECTION CERTIFICATE OF CONFORMITY

Cert NO. GYJ101140

This is to certify that the product
Junction Box

manufactured by International Metal Engineering Pte Limited
(Address: Blk 13 Toa Payoh Lorong 8, #06-05 Braddell Tech Park, Singapore)

which model is 5092 Series

Ex marking Ex d II CT6 (220~240VAC, max 20A)

product standard /

drawing number 5092xx-xx-xx

has been inspected and certified by NEPSI, and that it conforms
to GB 3836.1-2000 ; GB 3836.2-2000

This Approval shall remain in force until 2015.06.22

Remarks 1. Type approval and conditions for safe use specified in the attachment to this certificate.
2. Ambient temperature range is -40°C~+50°C.

Director



National Supervision and Inspection Centre for
Explosion Protection and Safety of Instrumentation

Issued Date 2010.06.23

This Certificate is valid for products compatible with the documents and samples approved by NEPSI.

国家级仪器仪表防爆安全监督检验站

National Supervision and Inspection Centre for
Explosion Protection and Safety of Instrumentation

(GYJ101140)

(Attachment I)

Attachment I to GYJ101140 (translation)

1. Description

5092 Series Junction boxes, manufactured by International Metal Engineering Pte Limited, has been certified by National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI). This type of product accords with following standards:

GB3836.1-2000 Electrical apparatus for explosive gas atmospheres-Part 1:General requirements

GB3836.2-2000 Electrical apparatus for explosive gas atmospheres-Part 2: Flameproof enclosure "d"

The Ex marking is Ex d II CT6, its certificate number is GYJ101140.

Type approved in this certificate is specified as below:

5092	
code	Cover option
S	Window cover
T	Blind cover
code	Hazardous location ratings
E	US approval
T	Europe approval
M	US & Europe approval
code	Entries description
-00	1 entry only
-01	2 entries at 180°
-02	2 entries at 90°
-03	3 entries
-04	4 entries
code	Conduit entry
-05	1/2"NPT
-07	3/4"NPT
-18	none
-22	M20×1.5
-23	1/2"BSP
-24	3/4"NPT & M20×1.5
-25	M25×1.5



2. Conditions for Safe Use

2.1 The electrical data of this product is shown as below:

Voltage: 220 ~ 240 (VAC) ; Max current: 20A

2.2 The ambient temperature of this product is (-40~ + 50) °C.

2.3 The external earth connection facility should be connected reliably.

2.4 Suitable certified cable entry and closing device approved by Ex Test Lab according to GB3836.1-2000 and GB3836.2-2000 with Ex marking "Ex d II C" shall be used and correctly installed.

2.5 Any maintenance shall be performed only when the warning of "Do not open while the circuit is alive" is observed.

2.6 The user shall not change the configuration in order to maintain/ensure the explosion protection performance of this product. Any change may impair safety.

2.7 For installation, use and maintenance of this product, the end user should observe the instruction manual and the following standards:

GB50257-1996 "Code for construction and acceptance of electric device for explosion atmospheres and fire hazard electrical equipment installation engineering".

GB3836.13-1997 "Electrical apparatus for explosive gas atmospheres Part 13:Repair and overhaul for apparatus used in explosive gas atmospheres".

GB3836.15-2000 "Electrical apparatus for explosive gas atmospheres- Part 15:Electrical installations in hazardous area (other than mines)".


GB3836.16-2006 "Electrical apparatus for explosive gas atmospheres- Part 16:Inspection and maintenance of electrical installation (other than mines)".

3. Manufacturer's Responsibility

3.1 Conditions for safe use, as specified above, should be included in the documentation the user is provided with.

3.2 Manufacturing should be done according to the documentation approved by NEPSI.

3.3 Nameplate should at least include these contents listed below:

- 1) NEPSI logo 
- 2) Ex marking
- 3) certificate number
- 4) ambient temperature range
- 5) warning of "Do not open while the circuit is alive"

National Supervision and Inspection Center
for Explosion Protection and Safety of Instrumentation

2010.06.23

