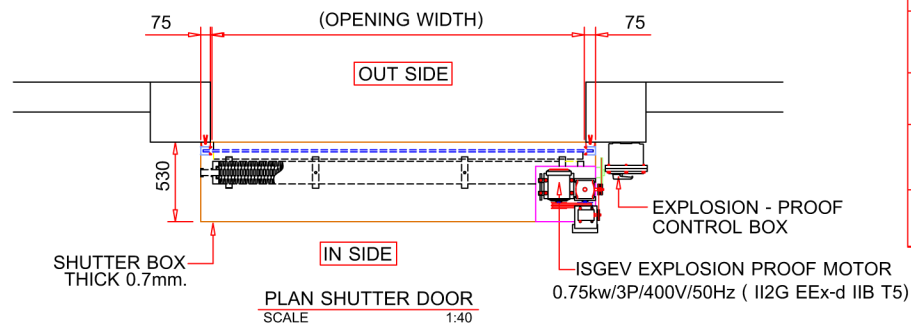
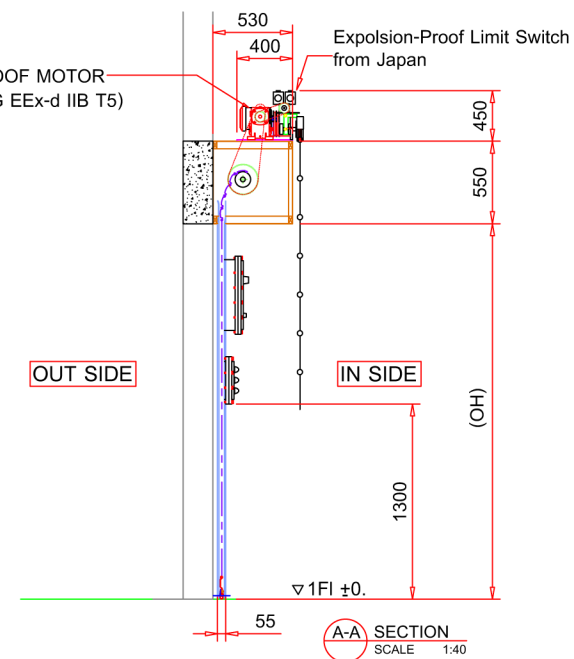
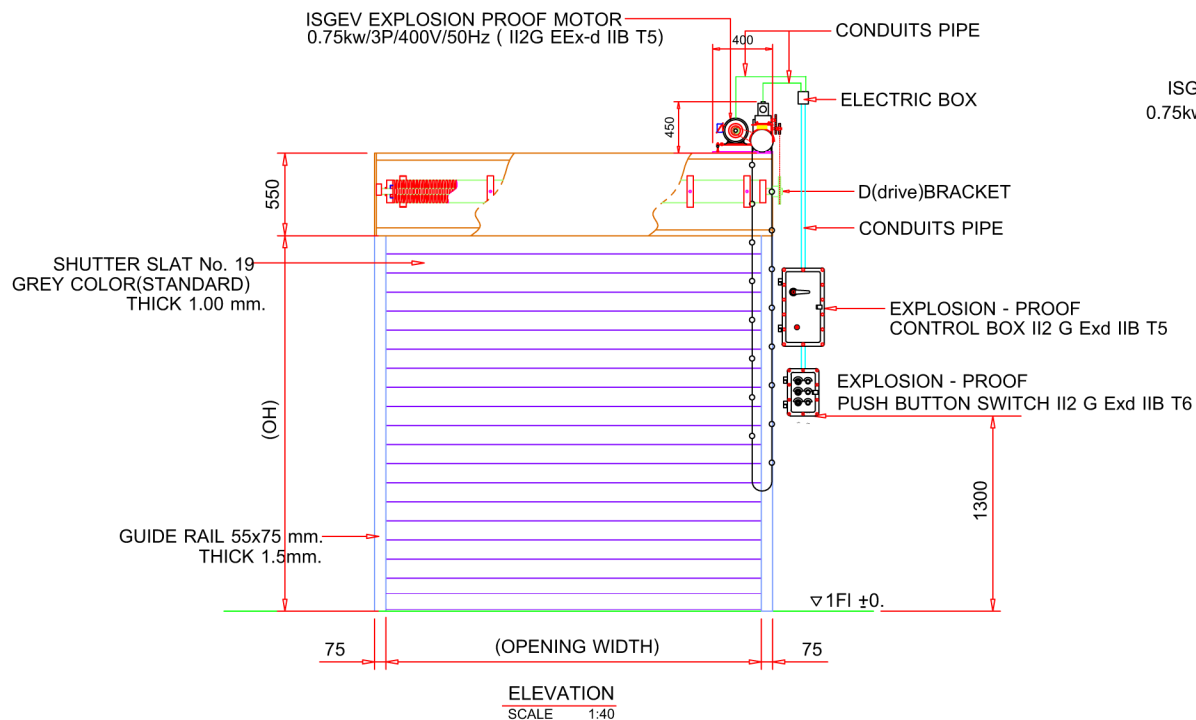


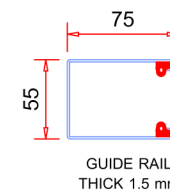
EXPLOSION PROOF ROLLING SHUTTER

TECHNICAL DATA

MODEL	EXPLOSION TYPE
VOLTAGE	3P/400V
MIN. LOAD	80 (KGS)
MAX. LOAD	600 (KGS)
ELEVATED SPEED	0.03 M/S
ROLLER PIPE	5"
TUBULAR CORE FOR THE GEAR	#50 9T/50T
MOTOR OUTPUT POWER (KW)	0.75 KW.
MOTOR SPEED (r.p.m.)	1410
FULL-LOAD CURRENT (A)	2 A
INSULATION CLASS	CLASS F
MOTOR WEIGHT (KGS)	50 KGS
EXPLOSION-PROOF CONSTRUCTION	FLAME-PROOF TYPE
USE ENVIRONMENT	-10° C to +40° C
PLACE OF USE	ZONE 1 & ZONE 2



SPECIFICATION	
SITE POSITION	
SIZE	W. x H.
SHUTTER SLAT	No. 19 THICK 1.00 mm. GREY COLOR(STANDARD)
GUIDE RAIL	SIZE 55x75 mm. THICK 1.5 mm.
BUTOM BAR	STEEL / RUBBER
OPERATION	ISGEV MOTOR SERIES : EXPLOSION PROOF 0.75kw/3P/400V/50Hz (II2G EEx-d IIB T5)



THAI TOYO ROLLING & INTER SHUTTER

23/4-5 M.3 BANGBORN-EAKACHAI RD. KHOK KRABUE DISTRICT, AMPHUR MEUNG, SAMUTSAKORN 74000.
TEL. (034)823-730-3 , 824-402-4 , FAX. (034) 892-2122 , 823-250

DRAWING

SCALE

1 : 40

DRAWER

Adisak C.

DATE

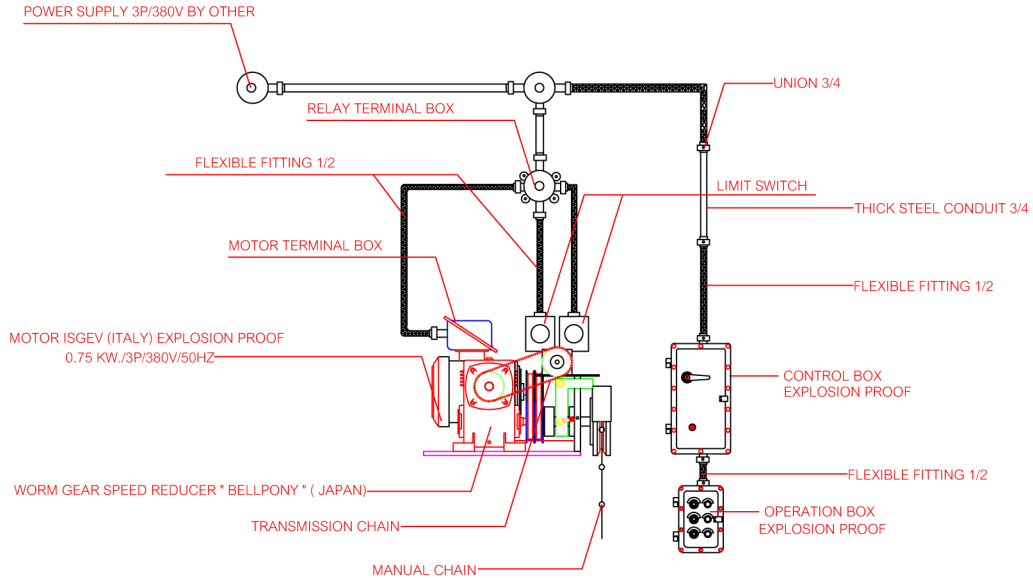
24/02/2016

OWNER

DWG. NO.

01

CONNECTION DETAILS





Compliances:

- UL Standard 698, 877
- North America (NEC 500)
Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 4, 4X, 7 CD, 9 EFG
- North America (NEC 505)
Class I, Zone 1, AEx d IIB T5

EN Standard Comparison

II 2G Ex d IIB T5 (zone 1, 2)

Ambient Temperature Range;

-40 °C to +55 °C

Protection index:

- IP56 according to IEC 60529
(with O-ring gasket for IP66)

Explosion-Proof Motor Starter Boxes, TCS, TMS series

Applications:

- The motor starters and enclosures are suitable for
- hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers.
 - single speed, non-reversing starting and stopping of AC squirrel cage induction motors.
 - direct-on-line or star-delta starting method.
 - providing disconnecting means for motor branch circuit short-circuit protection.
 - providing motor overload protection.
 - indoor or outdoor in damp, wet or corrosive locations.



Features:

- Rectangular shape compact designed.
- Circuit breaker, magnetic contactor with overload relay and control equipment are combined in one enclosure.
- Components are mounted on steel plate.
- START/ STOP pushbuttons and transformer-type LED pilot lights are mounted in the front of panel.
- Overload relay can be reset with an external button.
- Breaker handle can be locked in "OFF" position by key.
- Four mounting lugs and ground-point are provided.
- O-ring gasket ensures high degree of water ingress protection.
- Mitsubishi molded-case circuit breakers and magnetic contactors are supplied as standard.
- Remote control for START/ STOP motor is optional provided on request.

Materials:

- | | |
|-----------------------------|-------------------------------------|
| ■ Body, cover and handle | - Copper-free aluminium (Cu < 0.2%) |
| ■ Mounting plate | - Sheet steel |
| ■ Bolts and operating shaft | - Stainless steel |
| ■ Lamp guard | - Aluminium |
| ■ O-ring gasket | - Silicone |

Finishes:

- | | |
|-------------------------|---|
| ■ Copper-free aluminium | - Epoxy-polyester powder coated, RAL 7037 |
| ■ Sheet steel, steel | - Zinc electro-plated |
| ■ Stainless steel | - Natural |
| ■ Aluminium | - Chromium plated |

Electrical rating range:

- Supply ; 380/220V.AC. 50Hz. 3-Phases 4-Wires
- Circuit Breaker ; 32, 63, 125, 160, 250, 400 Ampere frame.
- Magnetic Contactor ;
0.37 to 132 kW. for D.O.L. starting
3 to 75 kW. for star-delta starting

Options:

- Metric threads
- O-ring gasket (for IP66)
- Others voltage supply, please specify.



Compliances:

- UL Standard 698
- North America (NEC 500)
Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7 CD, 9 EFG
- North America (NEC 505)
Class I, Zone 1, AEx d IIB T6

EN Standard Comparison

II 2G Ex d IIB T6 (zone 1, 2)

Ambient Temperature Range;

-40 °C to +55 °C

Protection index:

- IP56 according to IEC 60529
(with O-ring gasket for IP66)

Explosion-Proof Control Boxes, TCT series

Applications:

- For use in hazardous locations due to the presence of flammable gases or vapors, combustible dusts or flying fibers, such as oil refineries, petrochemical plants, paint manufacturing plants, flour mills, powder paint process areas.
- use in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations.
- Suitable for indoor, outdoor or wet and corrosive locations.

Features:

- High tensile strength copper-free aluminium bodies with corrosion resistant.
- All threaded joints are flamtight.
- Conduit openings drilled as per customer requirements.
- Rectangular shape, bolted cover.
- Silicone gasket ensures high degree of water ingress protection.
- The TCT series of housing accommodate the following type of control devices;
 - Momentary or alternate pushbuttons
 - Emergency stop mushroom pushbuttons
 - Pilot lights (LED)
 - Selector switch
 - Ammeter or voltmeter (size 72 x 72 mm.)
 - Potentionmeter
 - Others devices (contact us)



Materials:

- Body, cover and hinge - Copper-free aluminium (Cu < 0.2%)
- Bolts and handle - Stainless steel
- Mounting plate - Steel
- O-ring gasket - Neoprene

Finishes:

- Copper-free aluminium - Epoxy-polyester powder coated, RAL 7037
- Stainless steel - Natural
- Steel - Zinc electro-plated