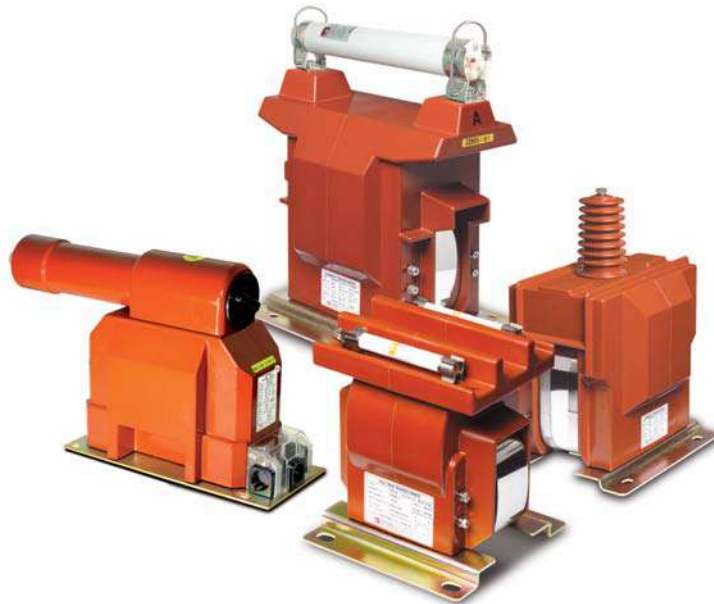




## Medium Voltage Voltage Transformer



KS C 1706,1707



Certification ISO 9001,14001



Conformite European



1-E Class Cert



www.kepic.co.kr  
No. 2010-KT-001

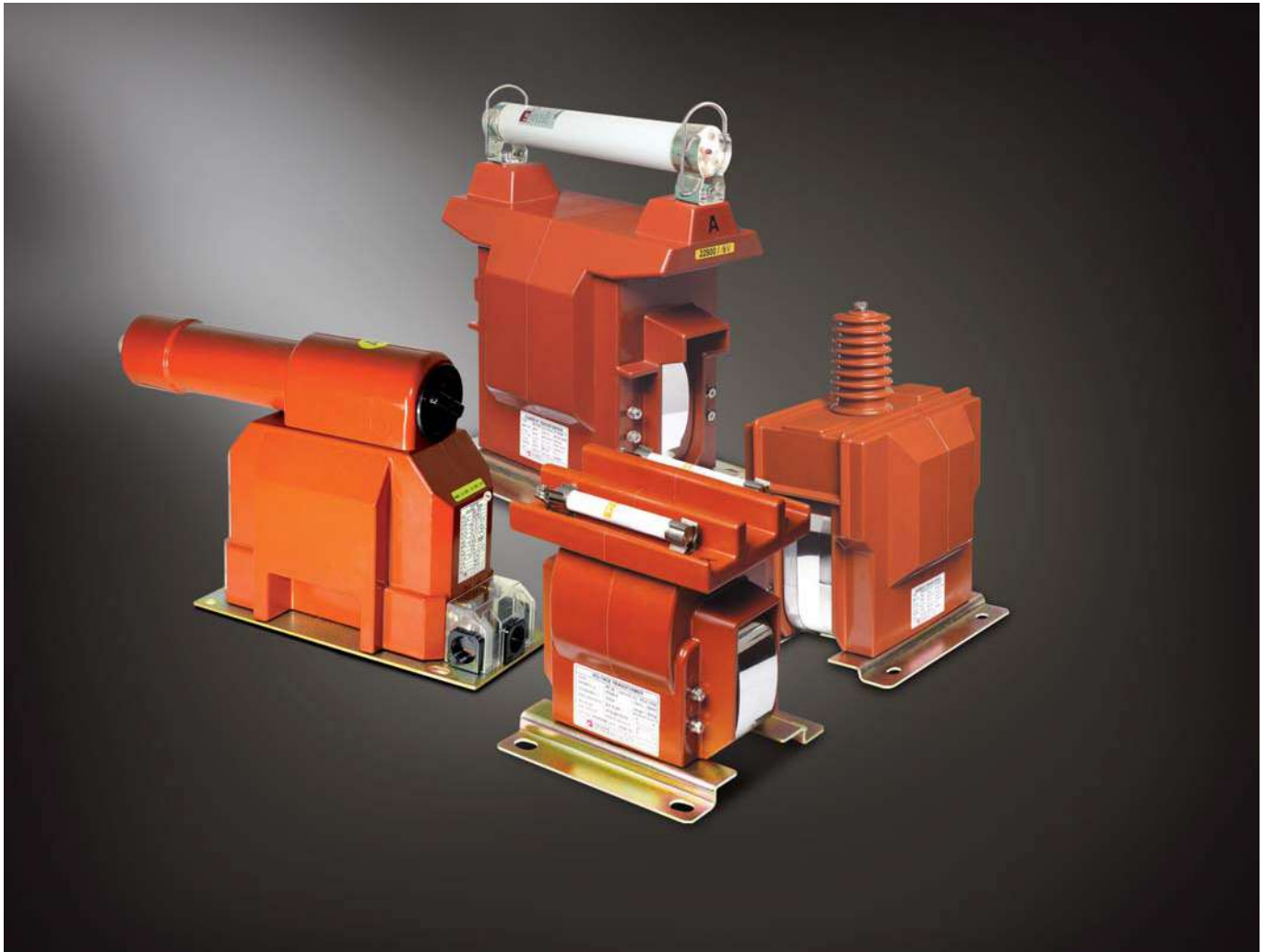
## CONTENTS

|                     |     |
|---------------------|-----|
| Voltage Transformer | 158 |
|---------------------|-----|

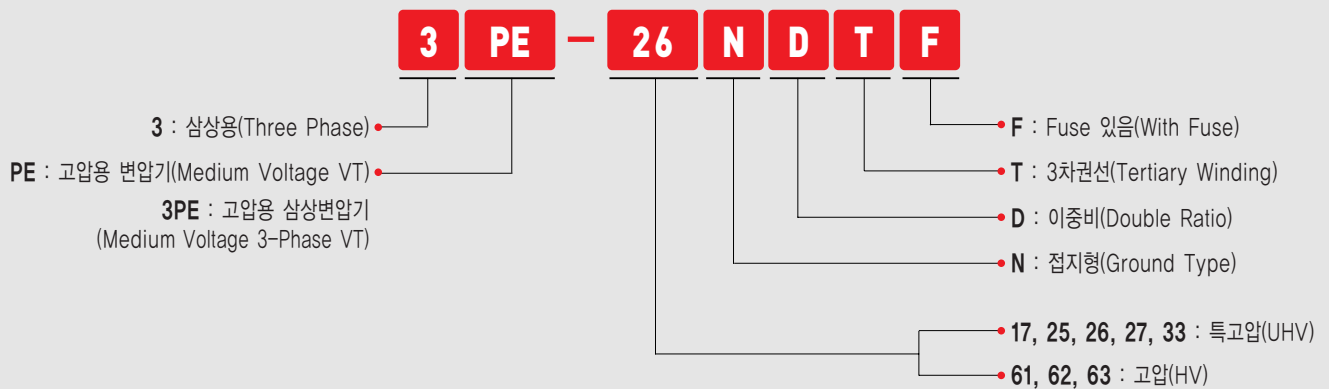


고압 계기용 변압기

## MV Voltage Transformer



### ■ 제품분류 인식표 / Index





타입선평표

## VT Selection Table 3.6kV ~ 17.5kV

■ Standard : IEC 61869-3

| Max. Voltage           | VT/GVT                 | Over Voltage Factor                                               | Primary Voltage                            | Secondary Voltage                      | Tertiary Voltage               | Class     | Burden                 | Type                                     | Note           |                |                                |        |         |       |                |
|------------------------|------------------------|-------------------------------------------------------------------|--------------------------------------------|----------------------------------------|--------------------------------|-----------|------------------------|------------------------------------------|----------------|----------------|--------------------------------|--------|---------|-------|----------------|
| 3.6~7.2kV              | VT                     | 1.2Vn Cont.                                                       | 3300<br>or<br>6600                         | 110<br>or<br>220                       |                                | 0.5       | 50                     | PE – 61F                                 | With Fuse Type |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 100                    | 62F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 150                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 1.0       | 200                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 50                     | 61F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 100                    | 61F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 200                    | 62F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 300                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 3.0       | 500                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 3.0       | 1000                   | 63F                                      |                |                |                                |        |         |       |                |
|                        | GVT (2권선)              | 1.2Vn Cont., 1.9Vn/30s<br>/<br>1.2Vn Cont., 1.9Vn/8hr<br>(Option) | $3300/\sqrt{3}$<br>or<br>$6600/\sqrt{3}$   | $110/\sqrt{3}$<br>or<br>$190/\sqrt{3}$ |                                | 0.5       | 25                     | 61NF                                     | With Fuse Type |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 50                     | 62NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 100                    | 63NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 1.0       | 50                     | 61NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 100                    | 62NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 200                    | 63NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 3.0       | 500                    | 63NF                                     |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | GVT (3권선) | 1.2Vn Cont., 1.9Vn/30s | $3300/\sqrt{3}$<br>or<br>$6600/\sqrt{3}$ |                | $110/\sqrt{3}$ | $110/\sqrt{3}$<br>or<br>190/3V | 1.0/3P | 50/100  | 61NTF | With Fuse Type |
|                        |                        |                                                                   |                                            |                                        |                                |           |                        |                                          |                |                |                                |        | 100/200 | 62NTF |                |
|                        |                        |                                                                   |                                            |                                        |                                |           |                        |                                          |                |                |                                |        | 200/300 | 63NTF |                |
|                        | 200/500                | 63NTF                                                             |                                            |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |
|                        | 50/100                 | 62NTF                                                             |                                            |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |
|                        | 100/200                | 63NTF                                                             |                                            |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |
| 200/200                | 63NTF                  |                                                                   |                                            |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |
| 1.2Vn Cont., 1.9Vn/8hr |                        |                                                                   |                                            |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |
| 12~17.5kV              | VT                     | 1.2Vn Cont.                                                       | 11000                                      | 110                                    |                                | 0.5       | 150                    | PE – 63F                                 | With Fuse Type |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 1.0       | 300                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 3.0       | 500                    | 63F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   | 11000~<br>16500                            | 110                                    |                                | 0.2       | 15                     | 17F                                      | With Fuse Type |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 0.5       | 50                     | 17F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 1.0       | 100                    | 17F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                |           | 200                    | 17F                                      |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 3.0       | 1000                   | 17F                                      |                |                |                                |        |         |       |                |
|                        | GVT (2권선)              | 1.2Vn Cont., 1.9Vn/30s                                            | $11000/\sqrt{3}$                           | $110/\sqrt{3}$<br>or<br>$190/\sqrt{3}$ |                                | 0.5       | 100                    | 63NF                                     | With Fuse Type |                |                                |        |         |       |                |
| 1.0                    |                        | 200                                                               |                                            |                                        |                                | 63NF      |                        |                                          |                |                |                                |        |         |       |                |
| 3.0                    |                        | 500                                                               |                                            |                                        |                                | 63NF      |                        |                                          |                |                |                                |        |         |       |                |
| 1.2Vn Cont., 1.9Vn/30s |                        | $11000/\sqrt{3}$<br>or<br>$16500/\sqrt{3}$                        | $110/\sqrt{3}$<br>or<br>$190/\sqrt{3}$     |                                        | 0.5                            | 50        | 17NF                   | With Fuse Type                           |                |                |                                |        |         |       |                |
| 1.0                    |                        |                                                                   |                                            |                                        |                                | 100       | 17NF                   |                                          |                |                |                                |        |         |       |                |
|                        |                        |                                                                   |                                            |                                        |                                | 200       | 17NF                   |                                          |                |                |                                |        |         |       |                |
| 3.0                    |                        |                                                                   |                                            |                                        |                                | 300       | 17NF                   |                                          |                |                |                                |        |         |       |                |
| 1.2Vn Cont., 1.9Vn/8hr |                        | 1.0                                                               | 100                                        | 17NF                                   |                                |           |                        |                                          |                |                |                                |        |         |       |                |
| GVT (3권선)              |                        | 1.2Vn Cont., 1.9Vn/30s                                            | $11000/\sqrt{3}$                           | $110/\sqrt{3}$                         | $110/\sqrt{3}$ or<br>190/3V    | 1.0/3P    | 100/200                | 63NTF                                    | With Fuse Type |                |                                |        |         |       |                |
|                        |                        | 1.2Vn Cont., 1.9Vn/8hr                                            |                                            |                                        |                                |           | 100/200                | 63NTF                                    |                |                |                                |        |         |       |                |
|                        |                        | 1.2Vn Cont., 1.9Vn/30s                                            | $11000/\sqrt{3}$<br>or<br>$16500/\sqrt{3}$ | $110/\sqrt{3}$                         | $110/\sqrt{3}$<br>or<br>190/3V | 1.0/3P    | 100/200                | 17NTF                                    | With Fuse Type |                |                                |        |         |       |                |
|                        | 1.2Vn Cont., 1.9Vn/8hr | 200/300                                                           |                                            |                                        |                                |           | 17NTF                  |                                          |                |                |                                |        |         |       |                |
|                        |                        | 100/200                                                           | 17NTF                                      |                                        |                                |           |                        |                                          |                |                |                                |        |         |       |                |



■ Standard : IEC 61869-3

| Max. Voltage             | VT/GVT                   | Over Voltage Factor                     | Primary Voltage                            | Secondary Voltage                          | Tertiary Voltage | Class                          | Burden  | Type              | Note              |                   |
|--------------------------|--------------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|------------------|--------------------------------|---------|-------------------|-------------------|-------------------|
| 24kV                     | VT                       | 1.2Vn Cont.                             | 22000<br>or<br>22900                       | 110                                        |                  | 0.2                            | 15      | PE – 26           | Without Fuse Type |                   |
|                          |                          |                                         |                                            |                                            |                  | 0.5                            | 50      | 26                |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 1.0                            | 100     | 26                |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 200     | 26                |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 3.0                            | 300     | 26                |                   |                   |
|                          |                          |                                         | 13200<br>or<br>22000                       | 110                                        |                  | 0.2                            | 50      | 27F               | With Fuse Type    |                   |
|                          |                          |                                         |                                            |                                            |                  | 0.5                            | 100     | 27F               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 1.0                            | 200     | 27F               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 500     | 27F               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 3.0                            | 1,000   | 27F               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 5.0                            | 1,500   | 27F               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 3.0                            | 1,000   | 33H               |                   | Without Fuse Type |
|                          |                          |                                         | 5.0                                        | 1,500                                      | 33L              |                                |         |                   |                   |                   |
|                          | GVT (2권선)                | 1.2Vn Cont., 1.9Vn / 30s                | $22000/\sqrt{3}$<br>or<br>$22900/\sqrt{3}$ | $110/\sqrt{3}$<br>or<br>$190/\sqrt{3}$     |                  | 0.5                            | 50      | 25N               | Without Fuse Type |                   |
|                          |                          |                                         |                                            |                                            |                  | 1.0                            | 100     | 25N               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 200     | 25N               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 100     | 26N               |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 200     | 26N               |                   |                   |
|                          |                          | 1.2Vn Cont., 1.9Vn / 30s                | $22000/\sqrt{3}$<br>or<br>$22900/\sqrt{3}$ | $110/\sqrt{3}$<br>or<br>$190/\sqrt{3}$     |                  | 0.5                            | 50      | 26NF              | With Fuse Type    |                   |
|                          |                          |                                         |                                            |                                            |                  | 1.0                            | 100     | 26NF              |                   |                   |
|                          |                          |                                         |                                            |                                            |                  |                                | 200     | 26NF              |                   |                   |
|                          |                          | GVT (3권선)                               | 1.2Vn Cont., 1.9Vn / 30s                   | $22000/\sqrt{3}$<br>or<br>$22900/\sqrt{3}$ | $110/\sqrt{3}$   | $110/\sqrt{3}$<br>or<br>190/3V | 1.0/3P  | 100/200           | 25NT              | Without Fuse Type |
|                          |                          |                                         | 200/300                                    |                                            |                  |                                |         | 25NDT             |                   |                   |
|                          |                          |                                         | 100/200                                    | 25NDT                                      |                  |                                |         |                   |                   |                   |
|                          |                          |                                         | 1.2Vn Cont., 1.9Vn / 30s                   | $22000/\sqrt{3}$<br>or<br>$22900/\sqrt{3}$ | $110/\sqrt{3}$   | $110/\sqrt{3}$<br>or<br>190/3V | 1.0/3P  | 100/200           | 26NTF             | With Fuse Type    |
|                          |                          |                                         |                                            |                                            |                  |                                |         | 200/300           | 26NDTF            |                   |
| 100/200                  | 26NT                     |                                         |                                            |                                            |                  |                                |         | Without Fuse Type |                   |                   |
| 200/300                  | 26NDT                    |                                         |                                            |                                            |                  |                                |         |                   |                   |                   |
| 1.2Vn Cont., 1.9Vn / 8hr |                          |                                         | 100/200                                    | 26NDTF                                     | With Fuse Type   |                                |         |                   |                   |                   |
| GVT (2권선)                | 1.2Vn Cont., 1.9Vn / 30s | $22000/\sqrt{3}$ or<br>$22900/\sqrt{3}$ | $110/\sqrt{3}$ or<br>$190/\sqrt{3}$        |                                            | 0.3              | 200                            | 33HNF   | With Fuse Type    |                   |                   |
|                          |                          |                                         |                                            |                                            |                  | 100                            | 33LNF   |                   |                   |                   |
| 36kV                     | GVT (3권선)                | 1.2Vn Cont., 1.9Vn / 30s                | $33000/\sqrt{3}$                           | $110/\sqrt{3}$                             | $110/\sqrt{3}$   | 1.0/3P                         | 200/500 | 33N               | Without Fuse Type |                   |
|                          |                          |                                         |                                            |                                            |                  | 0.2                            | 100     | 33NF              | With Fuse Type    |                   |



고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer\_Metal Clad Type



## MPE-24PHN(D)(T)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage: 17.5~25.8kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

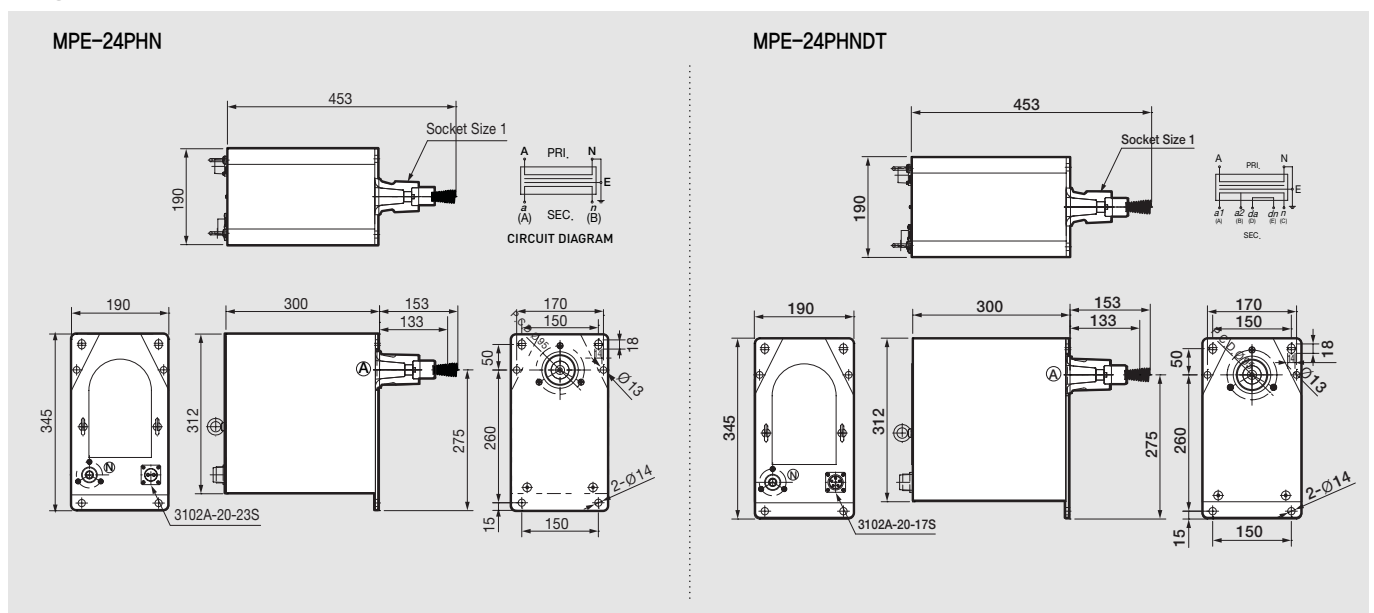
| 규격 / Standard                | KS C 1706                | JEC 1201                 | IEC 61869-3              |
|------------------------------|--------------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV                   | 23kV                     | 24kV                     |
| 1차 전압 / Primary Voltage      | 22900/√3 V               | 22000/√3 V               | 22900/√3 V               |
| 2차 전압 / Secondary Voltage    | 110V - 110/√3 V          |                          |                          |
| 3차 전압 / Tertiary Voltage     | 190/3V                   |                          |                          |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV(150kV) | 23 / 50 / 125kV(150kV)   | 24 / 50 / 125kV(150kV)   |
| 과전압 배수 / Over Voltage Factor | -                        | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz               |                          |                          |
| 중량 / Weight(kg)              | ≒ 40kg                   |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |            |             |
|---------------------|----------|-------------|-------------|------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | MPE-24PHN   | MPE-24PHND | MPE-24PHNDT |
| 0.5                 | -        | 0.5         | 50          | 50         | -           |
| 1.0                 | 1P       | 1.0         | 200         | 200        | -           |
| 3.0                 | 3P       | 3.0         | 500         | 500        | -           |
| -                   | 1P/3G    | 1.0/3P      | -           | -          | 200 / 500VA |
| -                   | -        | 1.0/3P      | -           | -          | -           |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                    | 2차 전압 / Secondary Voltage        | 3차 전압 / Tertiary Voltage |
|--------------------------------------------|----------------------------------|--------------------------|
| 3300/√3 V, 13800/√3 V, 22900/√3 V (Option) | 110-110/√3 V, 110/√3 V, 190/√3 V | 110/√3 V, 190/3V         |

## ■ 외형치수 / Dimension





# MPE-26CHF

지중용 개폐기/For Under Ground Switchgear

## 최고회로 전압

Max. Voltage : 17.5~25.8kV

### ■ 특징 / Feature

- 지중용 / For Under Ground
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (MPE-26CHF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### ■ 사양 / Specification

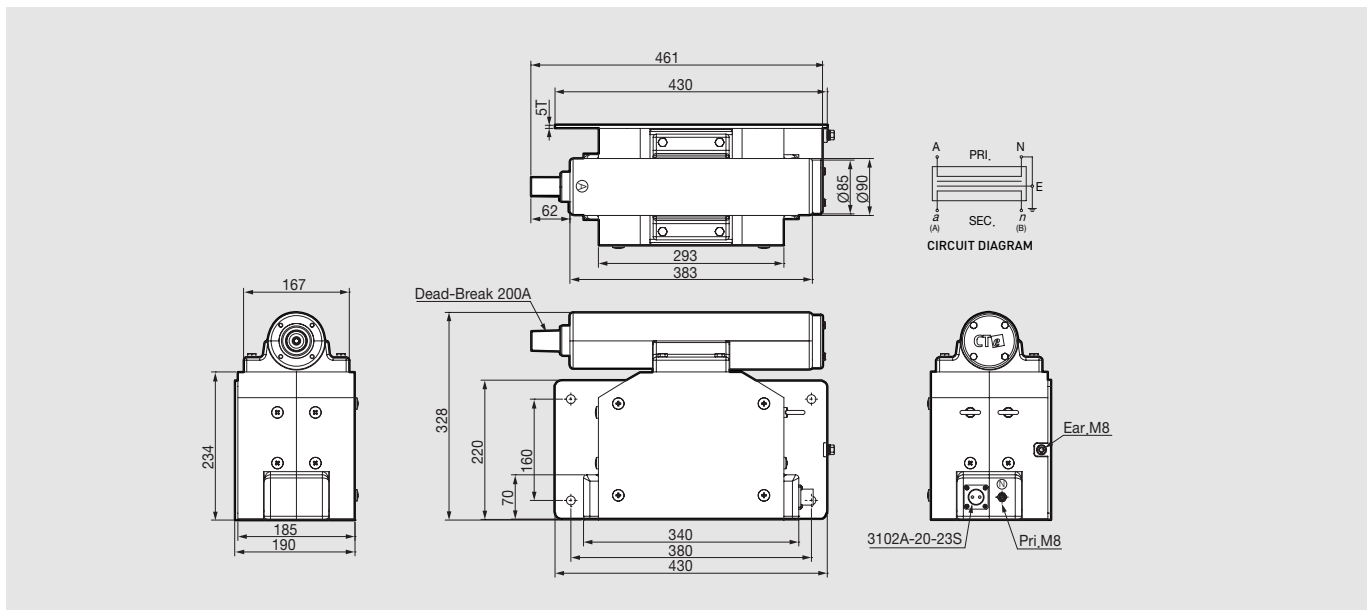
| 규격 / Standard                | KS C 1706                        | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8 kV                          | 23kV                     | 24kV                     |
| 1차 전압 / Primary Voltage      | 22900/√3 V                       | 22000/√3 V               | 22900/√3 V               |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V or 380/√3 V |                          | V110-110/√3 V            |
| 3차 전압 / Tertiary Voltage     | -                                |                          | 100/√3 V or 190/√3       |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV                | 23 / 50 / 125kV          | 24 / 50 / 125kV          |
| 과전압 배수 / Over Voltage Factor | -                                | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz                       |                          |                          |
| 중량 / Weight(kg)              | ≒ 39kg                           |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |            |             |
|---------------------|----------|-------------|-------------|------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | MPE-26CHF   | MPE-26CHDF | MPE-26CHDTF |
| 0.5                 | -        | 0.5         | 50VA        | 50VA       | -           |
| 1.0                 | 1P       | 1.0         | 200VA       | 200VA      | -           |
| 3.0                 | 3P       | 3.0         | 200VA       | 200VA      | -           |
| -                   | 1P/3G    | 1.0/3P      | -           | -          | 100/200VA   |
| -                   | -        | 1.0/3P      | -           | -          | 200/300VA   |

### ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                    | 2차 전압 / Secondary Voltage                  | 3차 전압 / Tertiary Voltage |
|--------------------------------------------|--------------------------------------------|--------------------------|
| 3300/√3 V, 13800/√3 V, 22900/√3 V (Option) | 110-110/√3 V, 110/√3 V, 190/√3 V, 380/√3 V | 110/√3 V, 190/3V         |

### ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer\_Metal Clad Type



## MPE-36PHN(D)(T)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 36kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

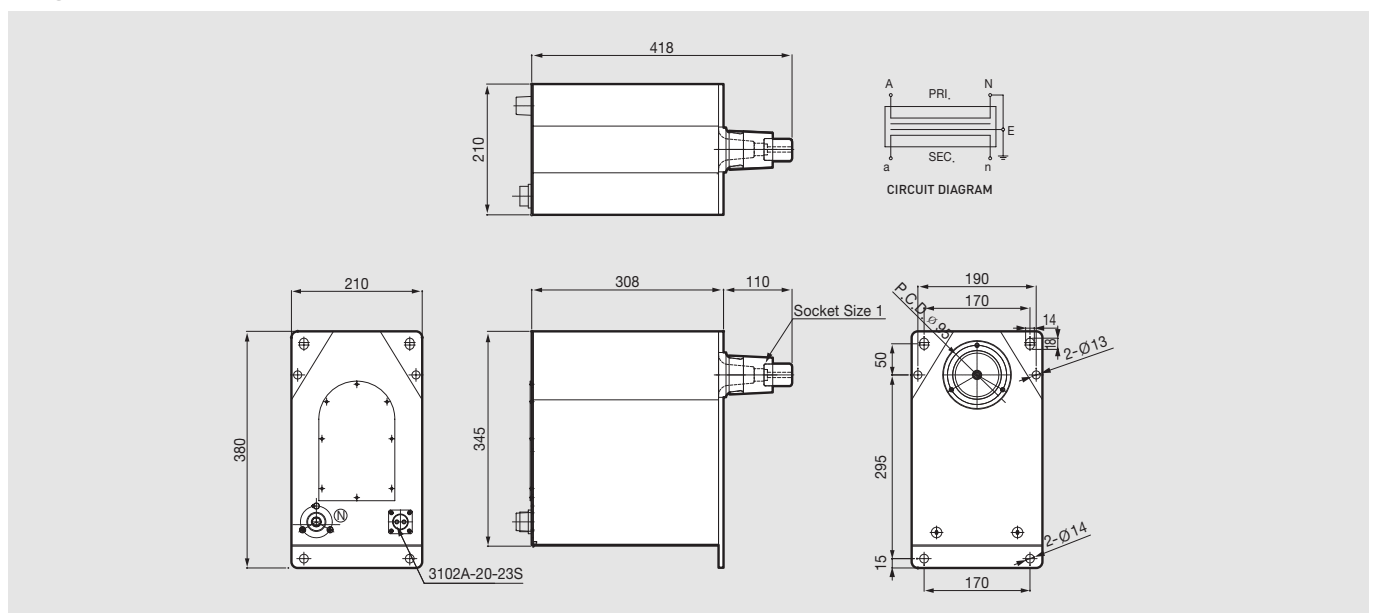
| 규격 / Standard                | KS C 1706                | JEC 1201                 | IEC 61869-3              |
|------------------------------|--------------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 34.5kV                   | 34.5kV                   | 36kV                     |
| 1차 전압 / Primary Voltage      | 33000/ $\sqrt{3}$ V      | 33000/ $\sqrt{3}$ V      | 33000/ $\sqrt{3}$ V      |
| 2차 전압 / Secondary Voltage    | 110V - 110/ $\sqrt{3}$ V |                          |                          |
| 3차 전압 / Tertiary Voltage     | 110/ $\sqrt{3}$ V        |                          |                          |
| 절연 계급 / Insulation Level     | 34.5 / 70 / 170kV(200kV) | 34.5 / 70 / 170kV(200kV) | 36 / 70 / 145kV(170kV)   |
| 과전압 배수 / Over Voltage Factor | -                        | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz               |                          |                          |
| 중량 / Weight(kg)              | ≒ 48kg                   |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |            |                      |
|---------------------|----------|-------------|-------------|------------|----------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | MPE-36PHN   | MPE-36PHND | MPE-36PHNT           |
| 0.5                 | -        | 0.5         | 50          | 50         | -                    |
| 1.0                 | 1P       | 1.0         | 200         | 200        | -                    |
| 3.0                 | 3P       | 3.0         | 500         | 500        | -                    |
| -                   | 1P/3G    | 1.0/3P      | -           | -          | 200/200VA, 200/500VA |
| -                   | -        | 1.0/3P      | -           | -          | 200/200VA, 200/500VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                                | 2차 전압 / Secondary Voltage                                  | 3차 전압 / Tertiary Voltage             |
|------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------|
| 3300/ $\sqrt{3}$ V, 13800/ $\sqrt{3}$ V, 22900/ $\sqrt{3}$ V(Optional) | 110-110/ $\sqrt{3}$ V, 110/ $\sqrt{3}$ , 190/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ V, 190/ $\sqrt{3}$ V |

## ■ 외형치수 / Dimension



PT. KORTECH ANUGERAH INDONESIA | 0812-947-9297 | itsmom113@hotmail.com



고압 계기용 변압기

# MV Voltage Transformer \_Gas Filled Type



## GPE-29(A)

GIS용 / For GIS

최고회로 전압

Max.Voltage:36kV

### ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.5Vn/30sec
- 가스 절연형 / Gas Insulated Type (SF<sub>6</sub>)
- 60Hz

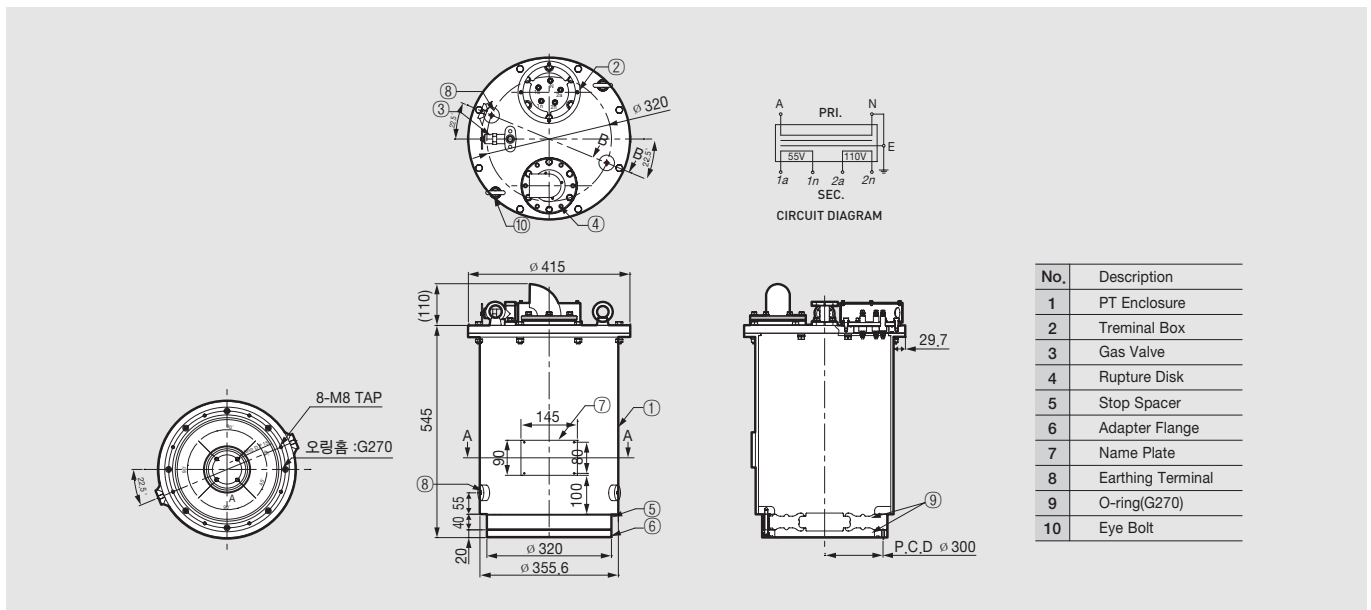
### ■ 사양 / Specification

| 규격 / Standard                | IEC 61869-3              |
|------------------------------|--------------------------|
| 최고회로전압 / Max. Voltage        | 36kV                     |
| 1차 전압 / Primary Voltage      | 27500V                   |
| 2차 전압 / Secondary Voltage    | 55V                      |
| 3차 전압 / Tertiary Voltage     | 110V                     |
| 절연계급 / Insulation Level      | 36 / 95 / 200kV          |
| 계급 / Accuracy Class          | 1.0/3P                   |
| 부담 / Burden                  | 100 / 100VA              |
| 과전압 배수 / Over Voltage Factor | 1.2Vn Cont., 1.5Vn/30sec |
| 주파수 / Frequency              | 60Hz                     |
| 중량 / Weight(kg)              | ≒ 111kg                  |

### ■ 정격 가스 압력 / Rate Gas Pressure

| GPE-29                 | GPE-29A                |
|------------------------|------------------------|
| 2.5kgf/cm <sup>2</sup> | 2.0kgf/cm <sup>2</sup> |

### ■ 외형치수 / Dimension







고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer\_DIN TYPE



## GPE-12N(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~12kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-12N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

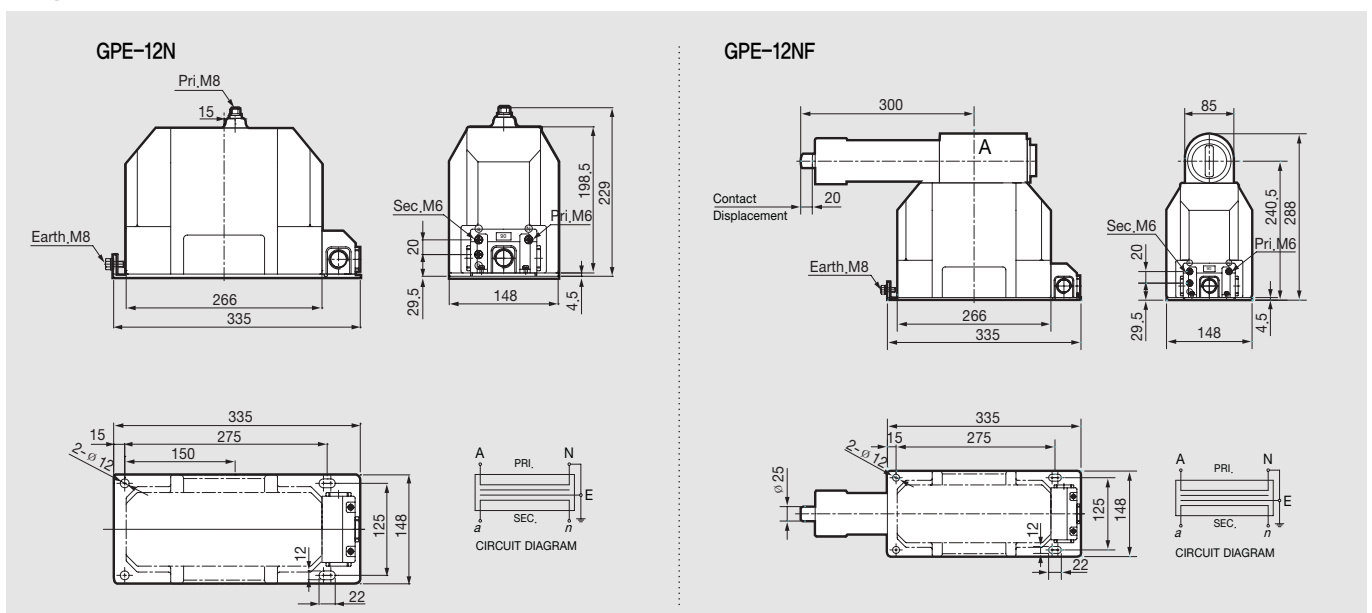
| 규격 / Standard                | KS C 1706                 | JEC 1201                  | IEC 61869-3              |
|------------------------------|---------------------------|---------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV             | 6.9kV, 11.5kV             | 7.2kV, 12kV              |
| 1차 전압 / Primary Voltage      | 6600/√3, 11000/√3         | 6600/√3, 11000/√3         | 6600/√3, 11000/√3        |
| 2차 전압 / Secondary Voltage    | 110/√3V or 190/√3V        |                           |                          |
| 3차 전압 / Tertiary Voltage     | 100/√3V or 190/3V         |                           |                          |
| 절연 계급 / Insulation Level     | 7.2/22/60kV, 11.5/28/95kV | 6.9/22/60kV, 11.5/28/90kV | 7.2/20/60kV, 12/28/75kV  |
| 과전압 배수 / Over Voltage Factor | —                         | 1.1Vn Cont., 1.9Vn/30min  | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz                |                           |                          |
| 중량 / Weight(kg)              | ≒ 25kg                    |                           |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden    |                |           |
|---------------------|----------|-------------|----------------|----------------|-----------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | GPE-12N        | GPE-12NF       | GPE-12NTF |
| 0.5                 | —        | 0.5         | 50VA           | 50VA           | —         |
| 1.0                 | 1P       | 1.0         | 100VA or 200VA | 100VA or 200VA | —         |
| 3.0                 | 3P       | 3.0         | 200VA          | 200VA          | —         |
| —                   | 1P/3G    | 1.0/3P      | —              | —              | 100/200VA |
| —                   | —        | 1.0/3P      | —              | —              | 200/300VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                        | 2차 전압 / Secondary Voltage       | 3차 전압 / Tertiary Voltage |
|----------------------------------------------------------------|---------------------------------|--------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3V (Option) | 110/√3, 120/√3, 190/√3, 220/√3V | 110/√3, 190/3V           |

## ■ 외형치수 / Dimension



PT. KORTECH ANUGERAH INDONESIA | 0812-947-9297 | itsmom113@hotmail.com



# GPE-24N(T)(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 17.5~25.8kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 퓨즈 내장형 / Support Type with Fuse (GPE-24N(T)F)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

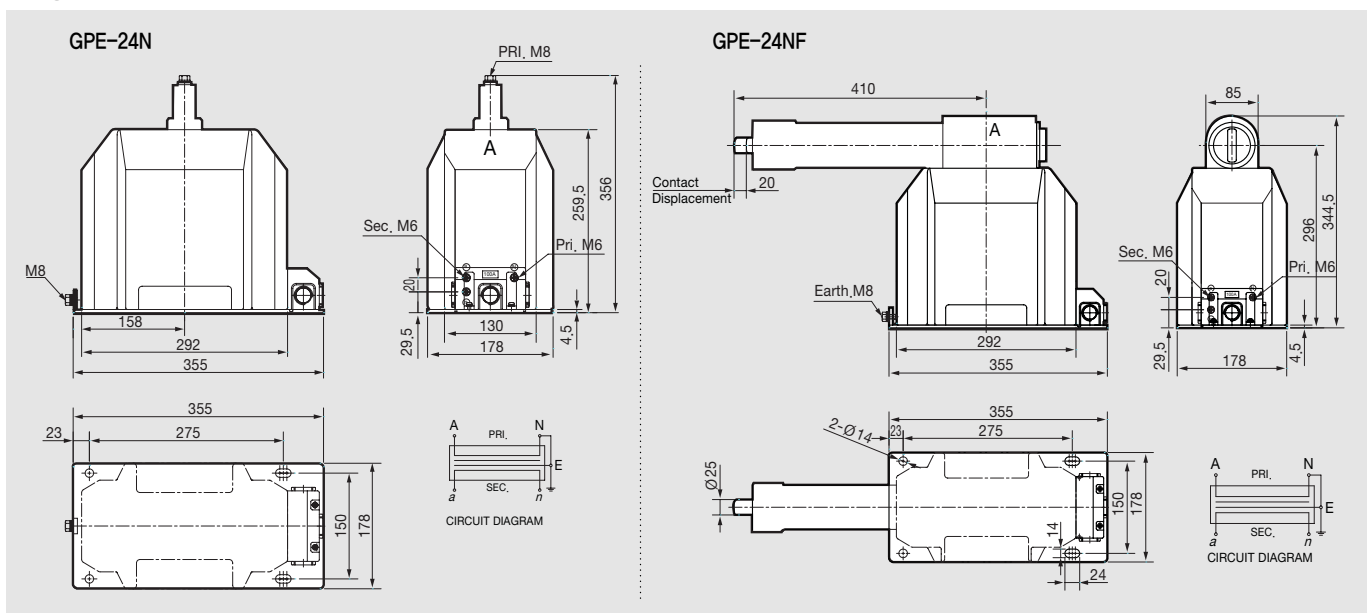
| 규격 / Standard                | KS C 1706          | JEC 1201                 | IEC 61869-3              |
|------------------------------|--------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV             | 23kV                     | 24kV                     |
| 1차 전압 / Primary Voltage      | 22900/√3           | 22000/√3                 | 22900/√3                 |
| 2차 전압 / Secondary Voltage    | 110/√3V or 190/√3V |                          | 110-110/√3V              |
| 3차 전압 / Tertiary Voltage     | -                  | 100/√3V or 190/3V        |                          |
| 절연 계급 / Insulation Level     | 25.8/50/150kV      | 23/50/150kV              | 24/50/125kV              |
| 과전압 배수 / Over Voltage Factor | -                  | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz         |                          |                          |
| 중량 / Weight(kg)              | ≒ 38kg             |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden    |                |           |
|---------------------|----------|-------------|----------------|----------------|-----------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | GPE-24N        | GPE-24NF       | GPE-24NTF |
| 0.5                 | -        | 0.5         | 50VA           | 50VA           | -         |
| 1.0                 | 1P       | 1.0         | 100VA or 200VA | 100VA or 200VA | -         |
| 3.0                 | 3P       | 3.0         | 200VA          | 200VA          | -         |
| -                   | 1P/3G    | 1.0/3P      | -              | -              | 100/200VA |
| -                   | -        | 1.0/3P      | -              | -              | 200/300VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                | 2차 전압 / Secondary Voltage   | 3차 전압 / Tertiary Voltage |
|----------------------------------------|-----------------------------|--------------------------|
| 3300/√3, 13800/√3V, 22900/√3V (Option) | 110-110/√3, 110/√3, 190/√3V | 110/√3, 190/3V           |

## ■ 외형치수 / Dimension





고압 계기용 변압기

## MV Voltage Transformer



## PE-61(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

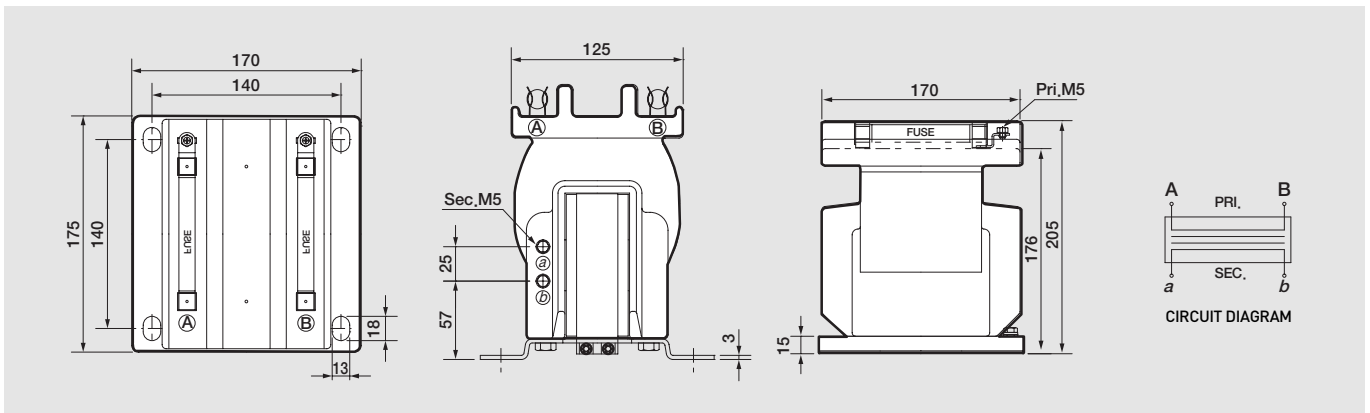
| 규격 / Standard                | KS C 1706       | JEC 1201         | IEC 61869-3      |
|------------------------------|-----------------|------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV           | 6.9kV            | 7.2kV            |
| 1차 전압 / Primary Voltage      | 6600V           | 6600V            | 6600V            |
| 2차 전압 / Secondary Voltage    | 110V            |                  |                  |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV | 6.9 / 22 / 60kV  | 7.2 / 20 / 60kV  |
| 과전압 배수 / Over Voltage Factor | -               | 1.1Vn Continuous | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz      |                  |                  |
| 중량 / Weight(kg)              | ≒ 10            |                  |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |
|---------------------|----------|-------------|--------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-61(F)     |
| 0.5                 | -        | 0.5         | 50 VA        |
| 1.0                 | 1P       | 1.0         | 50 or 100 VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage              | 2차 전압 / Secondary Voltage  |
|--------------------------------------|----------------------------|
| 3300, 4160, 5700, 6600, 6900, 7200 V | 63.5, 110, 120, 190, 220 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-61N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor :  
1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

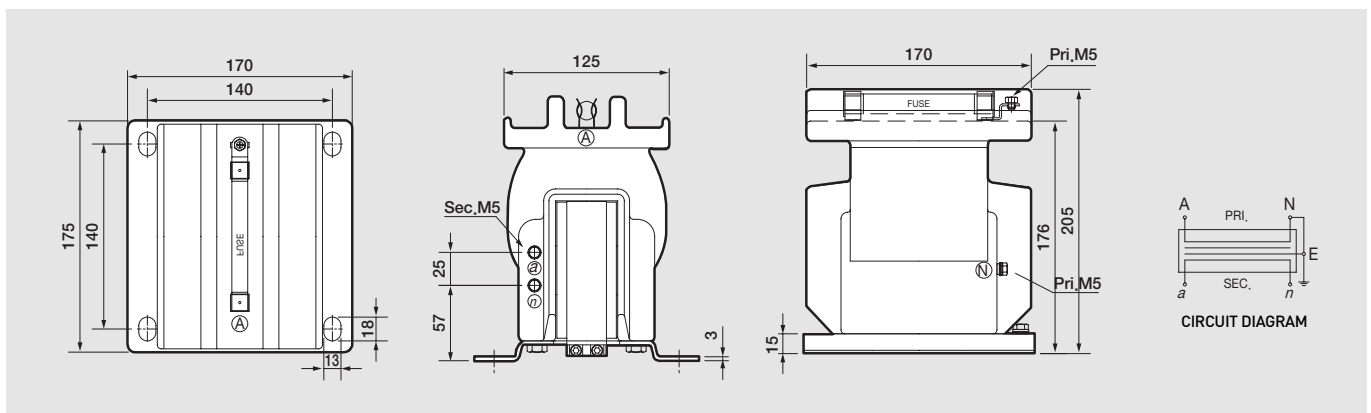
| 규격 / Standard                | KS C 1706            | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV                | 6.9kV                    | 7.2kV                    |
| 1차 전압 / Primary Voltage      | 6600/√3 V            | 6600/√3 V                | 6600/√3 V                |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V |                          |                          |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV      | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV          |
| 과전압 배수 / Over Voltage Factor | -                    | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz           |                          |                          |
| 중량 / Weight(kg)              | ≒ 10                 |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                                               |
|---------------------|----------|-------------|-------------|-----------------------------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-61N(F)   |                                               |
| 0.5                 | -        | 0.5         | 25VA        | 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr) |
| 1.0                 | 1P       | 1.0         | 50VA        | 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr) |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                | 2차 전압 / Secondary Voltage                 |
|--------------------------------------------------------|-------------------------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3 V | 63.5/√3, 110/√3, 120/√3, 190/√3, 220/√3 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

**MV Earthed Voltage Transformer****PE-61NT(F)**

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

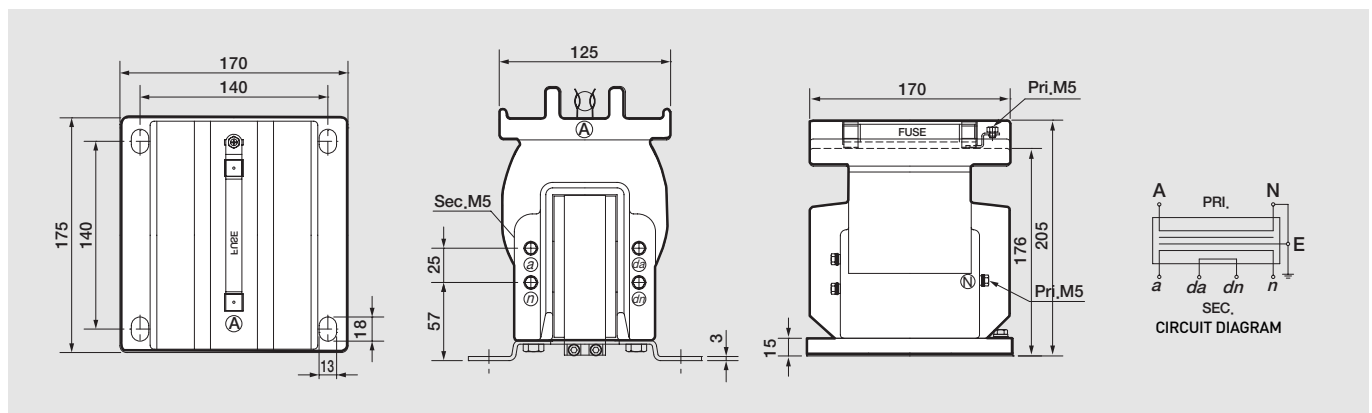
| 규격 / Standard                | JEC 1201                               | IEC 61869-3                                  |
|------------------------------|----------------------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 6.9kV                                  | 7.2kV                                        |
| 1차 전압 / Primary Voltage      | 6600/ $\sqrt{3}$ V                     | 6600/ $\sqrt{3}$ V                           |
| 2차 전압 / Secondary Voltage    | 110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V |                                              |
| 3차 전압 / Tertiary Voltage     | 110/ $\sqrt{3}$ V or 190/3 V           | 110/ $\sqrt{3}$ V or 190/3 V                 |
| 절연 계급 / Insulation Level     | 6.9 / 22 / 60kV                        | 7.2 / 20 / 60kV                              |
| 과전압 배수 / Over Voltage Factor | 1.1Vn Cont., 1.9Vn/30min               | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                             |                                              |
| 중량 / Weight(kg)              | ≈ 10                                   |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                          |
|---------------------|----------|-------------|-------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-61NT(F)  |                          |
| -                   | 1P / 3G  | 1.0 / 3P    | 50 / 100VA  | 1.2Vn Cont., 1.9Vn/30sec |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                                                                              | 2차 전압 / Secondary Voltage                                               | 3차 전압 / Tertiary Voltage  |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------|
| 3300/ $\sqrt{3}$ , 4160/ $\sqrt{3}$ , 5700/ $\sqrt{3}$ , 6600/ $\sqrt{3}$ ,<br>6900/ $\sqrt{3}$ , 7200/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ , 120/ $\sqrt{3}$ , 190/ $\sqrt{3}$ , 220/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ , 190/3 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기

## MV Voltage Transformer



## PE-62(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

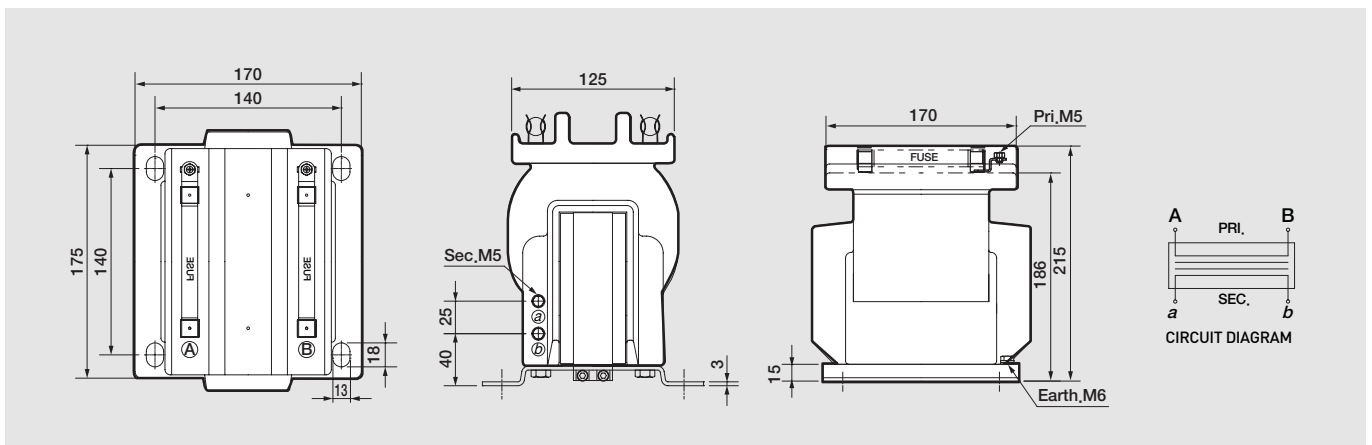
| 규격 / Standard                | KS C 1706       | JEC 1201         | IEC 61869-3      |
|------------------------------|-----------------|------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV           | 6.9kV            | 7.2kV            |
| 1차 전압 / Primary Voltage      | 6600V           | 6600V            | 6600V            |
| 2차 전압 / Secondary Voltage    | 110V            |                  |                  |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV | 6.9 / 22 / 60kV  | 7.2 / 20 / 60kV  |
| 과전압 배수 / Over Voltage Factor | -               | 1.1Vn Continuous | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz      |                  |                  |
| 중량 / Weight(kg)              | ≈ 13            |                  |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden |
|---------------------|----------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-62(F)    |
| 0.5                 | -        | 0.5         | 100VA       |
| 1.0                 | 1P       | 1.0         | 200VA       |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage              | 2차 전압 / Secondary Voltage  |
|--------------------------------------|----------------------------|
| 3300, 4160, 5700, 6600, 6900, 7200 V | 63.5, 110, 120, 190, 220 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

# MV Earthed Voltage Transformer



## PE-62N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec  
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

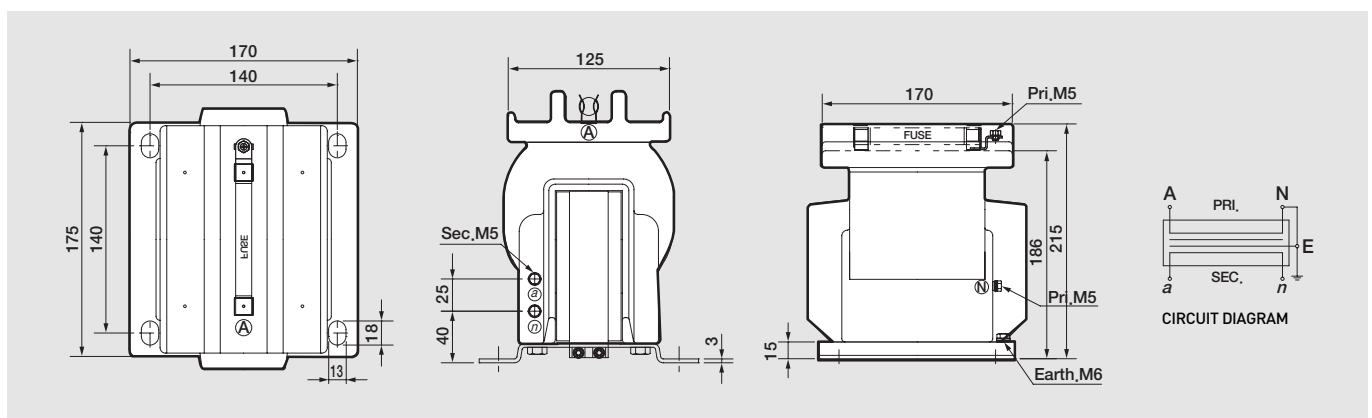
| 규격 / Standard                | KS C 1706            | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV                | 6.9kV                    | 7.2kV                    |
| 1차 전압 / Primary Voltage      | 6600/√3 V            | 6600/√3 V                | 6600/√3 V                |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V |                          |                          |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV      | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV          |
| 과전압 배수 / Over Voltage Factor | -                    | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz           |                          |                          |
| 중량 / Weight(kg)              | ≈ 13                 |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                                              |
|---------------------|----------|-------------|-------------|----------------------------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-62N(F)   |                                              |
| 0.5                 | -        | 0.5         | 50VA        | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 1.0                 | 1P       | 1.0         | 100VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |

### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                | 2차 전압 / Secondary Voltage                 |
|--------------------------------------------------------|-------------------------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3 V | 63.5/√3, 110/√3, 120/√3, 190/√3, 220/√3 V |

### 외형치수 / Dimension







## PE-62NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec  
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

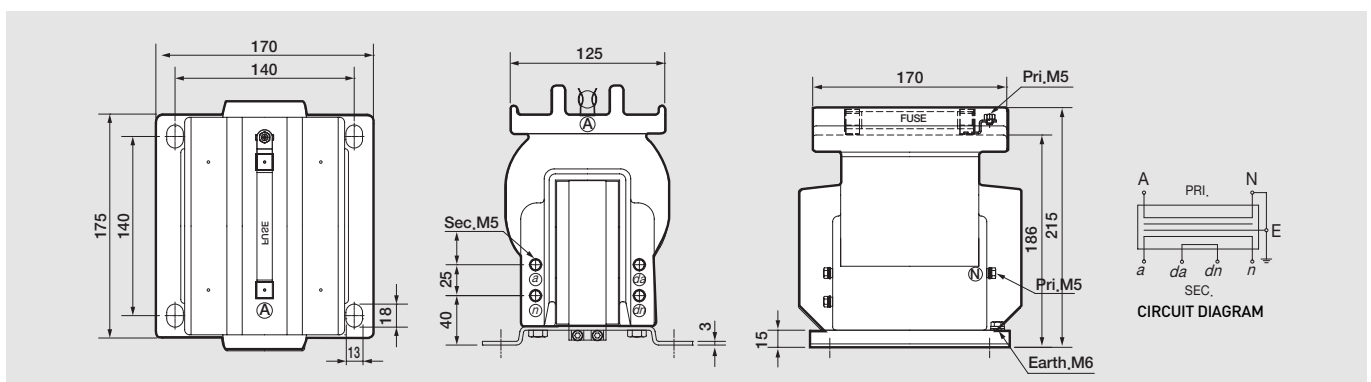
| 규격 / Standard                | JEC 1201                 | IEC 61869-3                                  |
|------------------------------|--------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 6.9kV                    | 7.2kV                                        |
| 1차 전압 / Primary Voltage      | 6600/√3 V                | 6600/√3 V                                    |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V     |                                              |
| 3차 전압 / Tertiary Voltage     | 110/√3 V or 190/3 V      | 110/√3 V or 190/3 V                          |
| 절연 계급 / Insulation Level     | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV                              |
| 과전압 배수 / Over Voltage Factor | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz               |                                              |
| 중량 / Weight(kg)              | ≈ 13                     |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                          |
|---------------------|----------|-------------|-------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-62NT(F)  |                          |
| -                   | 1P / 3G  | 1.0 / 3P    | 100 / 200VA | 1.2Vn Cont., 1.9Vn/30sec |
| -                   | -        | 1.0 / 3P    | 50 / 100VA  | 1.2Vn Cont., 1.9Vn/8hr   |

### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                   | 2차 전압 / Secondary Voltage        | 3차 전압 / Tertiary Voltage |
|-----------------------------------------------------------|----------------------------------|--------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6600/√3,<br>6900/√3, 7200/√3 V | 110/√3, 120/√3, 190/√3, 220/√3 V | 110/√3, 190/3 V          |

### 외형치수 / Dimension







고압 계기용 변압기

## MV Voltage Transformer



## PE-63(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

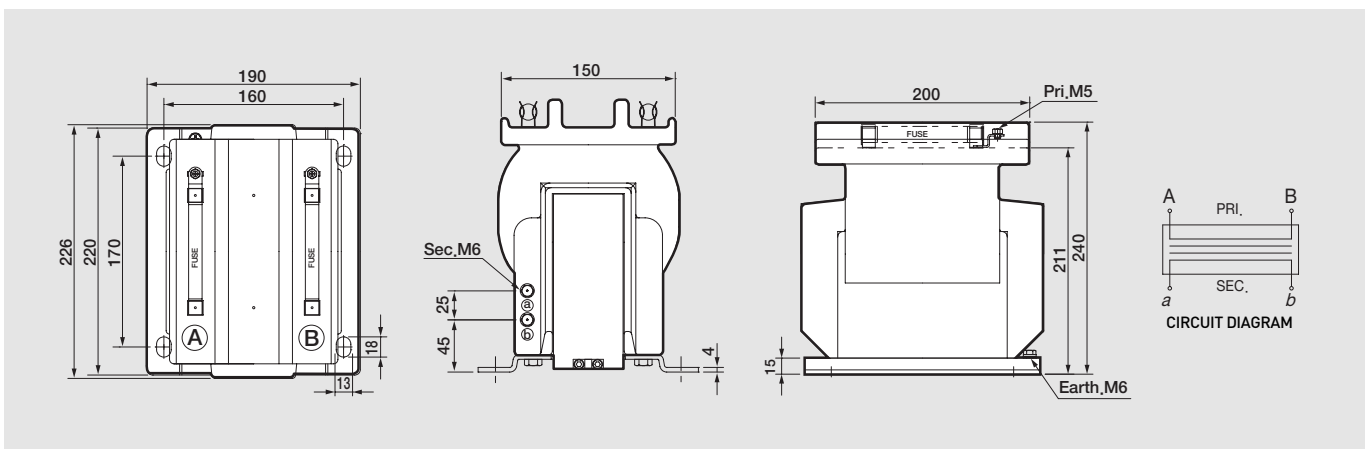
| 규격 / Standard                | KS C 1706       | JEC 1201         | IEC 61869-3      |
|------------------------------|-----------------|------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV           | 6.9kV            | 7.2kV            |
| 1차 전압 / Primary Voltage      | 6600V           | 6600V            | 6600V            |
| 2차 전압 / Secondary Voltage    | 110V            |                  |                  |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV | 6.9 / 22 / 60kV  | 7.2 / 20 / 60kV  |
| 과전압 배수 / Over Voltage Factor | -               | 1.1Vn Continuous | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz      |                  |                  |
| 중량 / Weight(kg)              | ≈ 20            |                  |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden   |
|---------------------|----------|-------------|---------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-63(F)      |
| 0.5                 | -        | 0.5         | 150VA         |
| 1.0                 | 1P       | 1.0         | 300VA         |
| 3.0                 | 3.0      | 3.0         | 500 or 1000VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                               | 2차 전압 / Secondary Voltage  |
|-------------------------------------------------------|----------------------------|
| 3300, 4160, 5700, 6600, 6900, 7200 V, 11000 V(Option) | 63.5, 110, 120, 190, 220 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-63N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

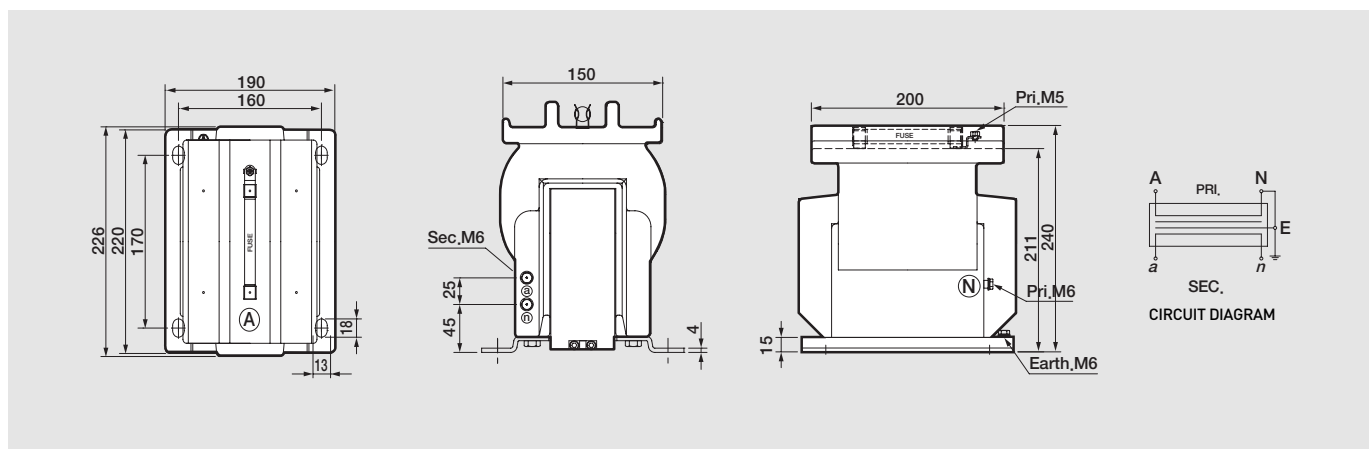
| 규격 / Standard                | KS C 1706            | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV                | 6.9kV                    | 7.2kV                    |
| 1차 전압 / Primary Voltage      | 6600/√3 V            | 6600/√3 V                | 6600/√3 V                |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V |                          |                          |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV      | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV          |
| 과전압 배수 / Over Voltage Factor | -                    | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz           |                          |                          |
| 중량 / Weight(kg)              | ≈ 20                 |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                                              |
|---------------------|----------|-------------|-------------|----------------------------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-63N(F)   |                                              |
| 0.5                 | -        | 0.5         | 100VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 1.0                 | 1P       | 1.0         | 200VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 3.0                 | 3P       | 3.0         | 500VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                           | 2차 전압 / Secondary Voltage                 |
|-------------------------------------------------------------------|-------------------------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6900/√3, 7200/√3 V, 11000/√3 V(Option) | 63.5/√3, 110/√3, 120/√3, 190/√3, 220/√3 V |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

# MV Earthed Voltage Transformer



## PE-63NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~7.2kV

### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

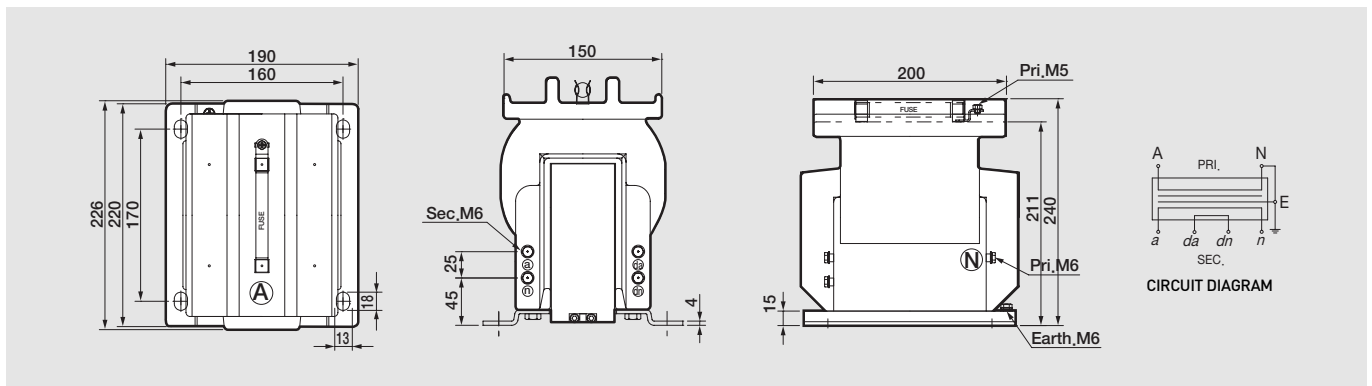
| 규격 / Standard                | JEC 1201                                 | IEC 61869-3                                   |
|------------------------------|------------------------------------------|-----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 6.9kV                                    | 7.2kV                                         |
| 1차 전압 / Primary Voltage      | 6600 / $\sqrt{3}$ V                      | 6600 / $\sqrt{3}$ V                           |
| 2차 전압 / Secondary Voltage    | 110 / $\sqrt{3}$ V or 190 / $\sqrt{3}$ V |                                               |
| 3차 전압 / Tertiary Voltage     | 110 / $\sqrt{3}$ V or 190 / 3V           | 110 / $\sqrt{3}$ V or 190 / 3V                |
| 절연 계급 / Insulation Level     | 6.9 / 22 / 60kV                          | 7.2 / 20 / 60kV                               |
| 과전압 배수 / Over Voltage Factor | 1.1Vn Cont., 1.9Vn/30min                 | 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                               |                                               |
| 중량 / Weight(kg)              | ≈ 20                                     |                                               |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                          |
|---------------------|----------|-------------|-------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-63NT(F)  |                          |
| -                   | 1P / 3G  | 1.0 / 3P    | 200 / 300VA | 1.2Vn Cont., 1.9Vn/30sec |
| -                   | -        | 1.0 / 3P    | 200 / 500VA | 1.2Vn Cont., 1.9Vn/30sec |
| -                   | -        | 1.0 / 3P    | 100 / 200VA | 1.2Vn Cont., 1.9Vn/8hr   |

### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                                                                                               | 2차 전압 / Secondary Voltage                                                   | 3차 전압 / Tertiary Voltage     |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------|
| 3300 / $\sqrt{3}$ , 4160 / $\sqrt{3}$ , 5700 / $\sqrt{3}$ , 6900 / $\sqrt{3}$ ,<br>7200 / $\sqrt{3}$ V, 11000 / $\sqrt{3}$ V (Option) | 110 / $\sqrt{3}$ , 120 / $\sqrt{3}$ , 190 / $\sqrt{3}$ , 220 / $\sqrt{3}$ V | 110 / $\sqrt{3}$ , 190 / 3 V |

### 외형치수 / Dimension





고압 계기용 변압기

## MV Voltage Transformer



## PE-12(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

| 규격 / Standard                | KS C 1706                         | JEC 1201                          | IEC 61869-3                     |
|------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV                     | 6.9kV, 11.5kV                     | 7.2kV, 12kV                     |
| 1차 전압 / Primary Voltage      | 6600V, 11000V                     | 6600V, 11000V                     | 6600V, 11000V                   |
| 2차 전압 / Secondary Voltage    | 110V                              |                                   |                                 |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV, 11.5 / 28 / 95kV | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV |
| 과전압 배수 / Over Voltage Factor | -                                 | 1.1Vn Continuous                  | 1.2Vn Continuous                |
| 주파수 / Frequency              | 60 or 50Hz                        |                                   |                                 |
| 중량 / Weight(kg)              | ≒ 20                              |                                   |                                 |

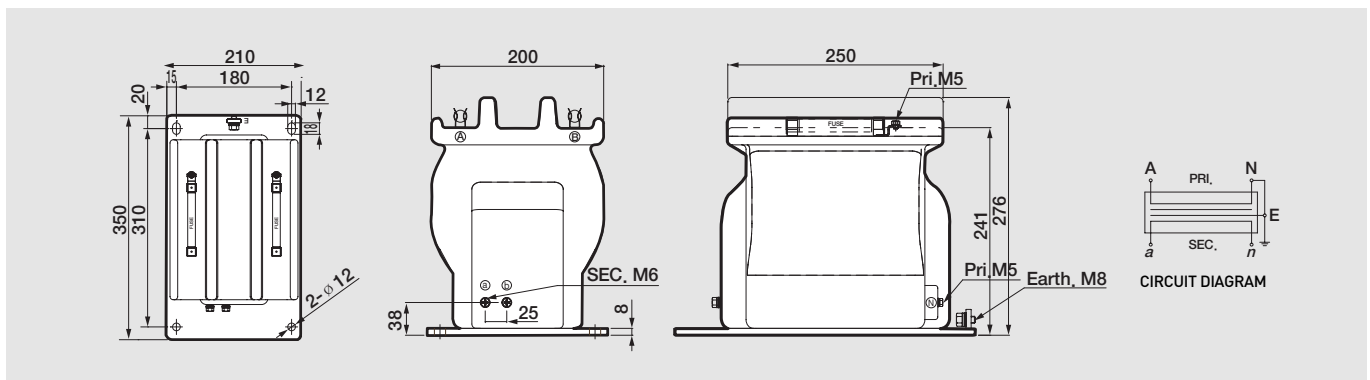
| 계급 / Accuracy Class |          |             | 부담 / Burden |
|---------------------|----------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-12(F)    |
| 0.5                 | -        | 0.5         | 400VA       |
| 1.0                 | 1P       | 1.0         | 750VA       |
| 3.0                 | 3.0      | 3.0         | 1500VA      |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                | 2차 전압 / Secondary Voltage  |
|--------------------------------------------------------|----------------------------|
| 3300, 4160, 5700, 6600, 6900, 7200 V, 11000 V (Option) | 63.5, 110, 120, 190, 220 V |

※ 12kV용 휴즈 280mm

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-12N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

| 규격 / Standard                | KS C 1706                         | JEC 1201                          | IEC 61869-3                     |
|------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV                     | 6.9kV, 11.5kV                     | 7.2kV, 12kV                     |
| 1차 전압 / Primary Voltage      | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V           |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V              |                                   |                                 |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV, 11.5 / 28 / 95kV | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV |
| 과전압 배수 / Over Voltage Factor | —                                 | 1.1Vn Cont., 1.9Vn/30min          | 1.2Vn Cont., 1.9Vn/30sec        |
| 주파수 / Frequency              | 60 or 50Hz                        |                                   |                                 |
| 중량 / Weight(kg)              | ≈ 20                              |                                   |                                 |

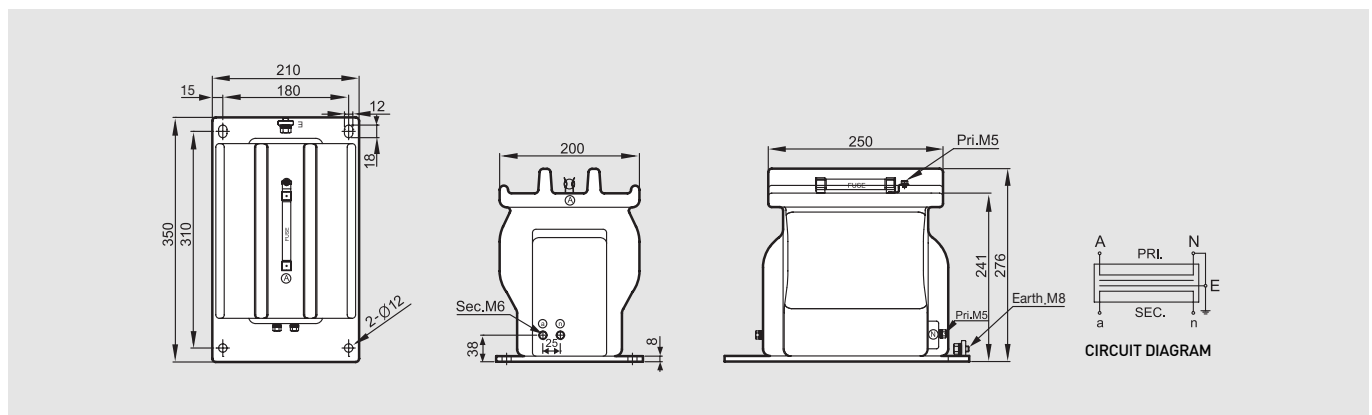
| 계급 / Accuracy Class |          |             | 부담 / Burden |                                              |
|---------------------|----------|-------------|-------------|----------------------------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-12N(F)   |                                              |
| 0.5                 | —        | 0.5         | 200VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 1.0                 | 1P       | 1.0         | 500VA       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 3.0                 | 3P       | 3.0         | 1000VA      | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                            | 2차 전압 / Secondary Voltage                 |
|--------------------------------------------------------------------|-------------------------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6900/√3, 7200/√3 V, 11000/√3 V (Option) | 63.5/√3, 110/√3, 120/√3, 190/√3, 220/√3 V |

※12kV용 휴즈 280mm

## ■ 외형치수 / Dimension





# PE-12NT(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

## 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 3차 전압 / Tertiary Voltage
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## 사양 / Specification

| 규격 / Standard                | JEC 1201                          | IEC 61869-3                                   |
|------------------------------|-----------------------------------|-----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 6.9kV, 11.5kV                     | 7.2kV, 12kV                                   |
| 1차 전압 / Primary Voltage      | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V                         |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V              |                                               |
| 3차 전압 / Tertiary Voltage     | 110/√3 V or 190/3 V               | 110/√3 V or 190/3 V                           |
| 절연 계급 / Insulation Level     | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV               |
| 과전압 배수 / Over Voltage Factor | 1.1Vn Cont., 1.9Vn/30min          | 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                        |                                               |
| 중량 / Weight(kg)              | ≈ 20                              |                                               |

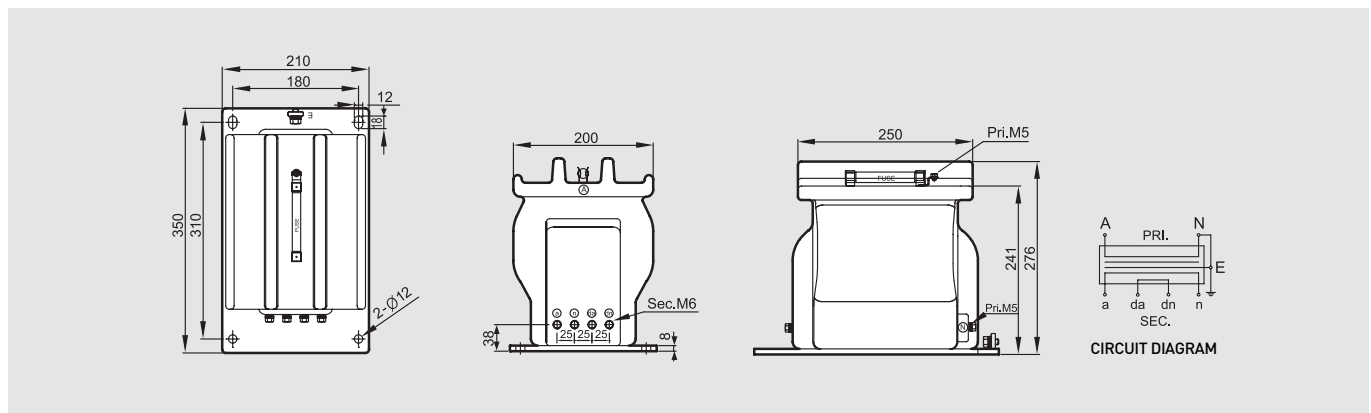
| 계급 / Accuracy Class |          |             | 부담 / Burden  |                          |
|---------------------|----------|-------------|--------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-12NT(F)   |                          |
| -                   | 1P / 3G  | 1.0 / 3P    | 500 / 1000VA | 1.2Vn Cont., 1.9Vn/30sec |

## 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                | 2차 전압 / Secondary Voltage        | 3차 전압 / Tertiary Voltage |
|--------------------------------------------------------|----------------------------------|--------------------------|
| 3300/√3, 4160/√3, 5700/√3, 6600/√3, 6900/√3, 7200/√3 V | 110/√3, 120/√3, 190/√3, 220/√3 V | 110/√3, 190/3 V          |

※12kV용 휴즈 280mm

## 외형치수 / Dimension





고압 계기용 변압기(삼상용)

## MV Three Phase Voltage Transformer



## 3PE-61V(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상용 / Three Phase (3P3W)
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : V or  $\Delta$

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

## ■ 사양 / Specification

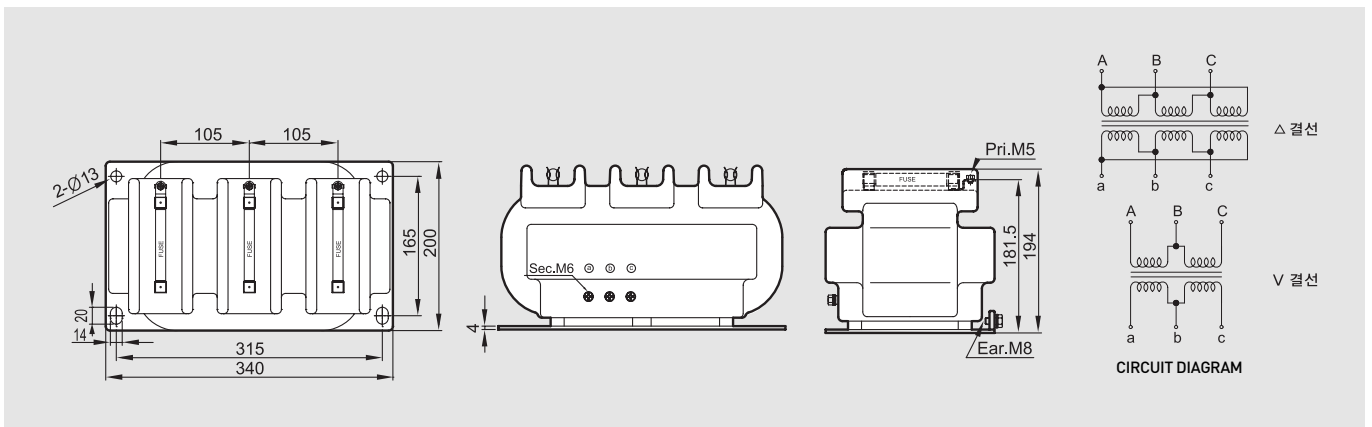
| 규격 / Standard                | KS C 1706       | JEC 1201         | IEC 61869-3      |
|------------------------------|-----------------|------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV           | 6.9kV            | 7.2kV            |
| 1차 전압 / Primary Voltage      | 6600V           | 6600V            | 6600V            |
| 2차 전압 / Secondary Voltage    | 110V or 220V    |                  |                  |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV | 6.9 / 22 / 60kV  | 7.2 / 20 / 60kV  |
| 과전압 배수 / Over Voltage Factor | -               | 1.1Vn Continuous | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz      |                  |                  |
| 중량 / Weight(kg)              | ≈ 35            |                  |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                  |
|---------------------|----------|-------------|-------------|------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-61V(F)  |                  |
| 0.5                 | 0.5      | 0.5         | 2×50VA      | 1.2Vn Continuous |
| 1.0                 | 1.0      | 1.0         | 2×100VA     | 1.2Vn Continuous |
| 3.0                 | 3.0      | 3.0         | 2×200VA     | 1.2Vn Continuous |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage |
|-------------------------|---------------------------|
| 6600V                   | 110, 220V                 |

## ■ 외형치수 / Dimension







# 3PE-61NY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

## 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

## 사양 / Specification

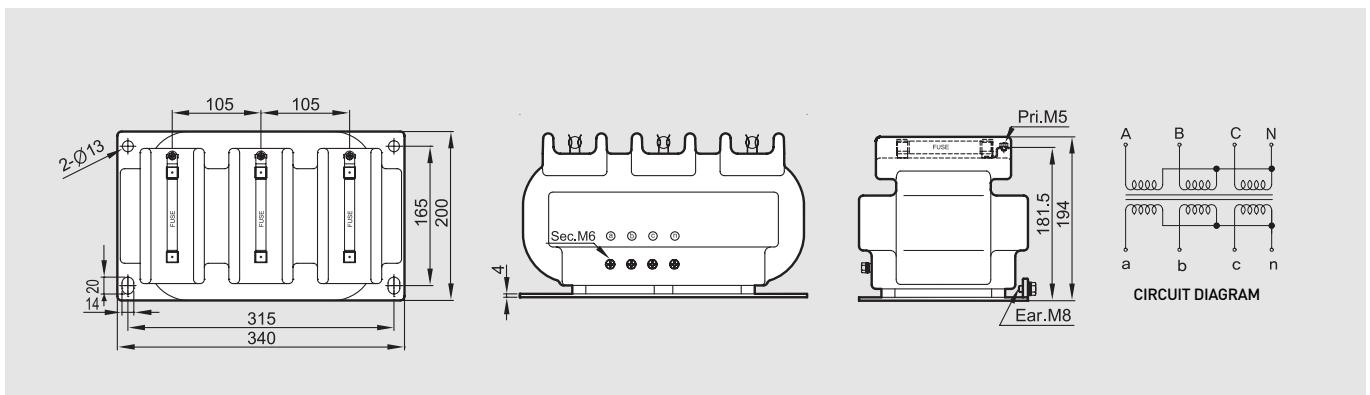
| 규격 / Standard                | KS C 1706            | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV                | 6.9kV                    | 7.2kV                    |
| 1차 전압 / Primary Voltage      | 6600/√3 V            | 6600/√3 V                | 6600/√3 V                |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V |                          |                          |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV      | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV          |
| 과전압 배수 / Over Voltage Factor | -                    | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz           |                          |                          |
| 중량 / Weight(kg)              | ≈ 35                 |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                          |
|---------------------|----------|-------------|-------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-61NY(F) |                          |
| 0.5                 | 0.5      | 0.5         | 3×50VA      | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0      | 1.0         | 3×100VA     | 1.2Vn Cont., 1.9Vn/30sec |
| 3.0                 | 3.0      | 3.0         | 3×200VA     | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0      | 1.0         | 3×100VA     | 1.2Vn Cont., 1.9Vn/8hr   |

## 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage |
|-------------------------|---------------------------|
| 6600/√3 V               | 110/√3 V or 190/√3 V      |

## 외형치수 / Dimension





고압 계기용 변압기(삼상용)

## MV Three Phase Voltage Transformer



## 3PE-61NTY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

## ■ 사양 / Specification

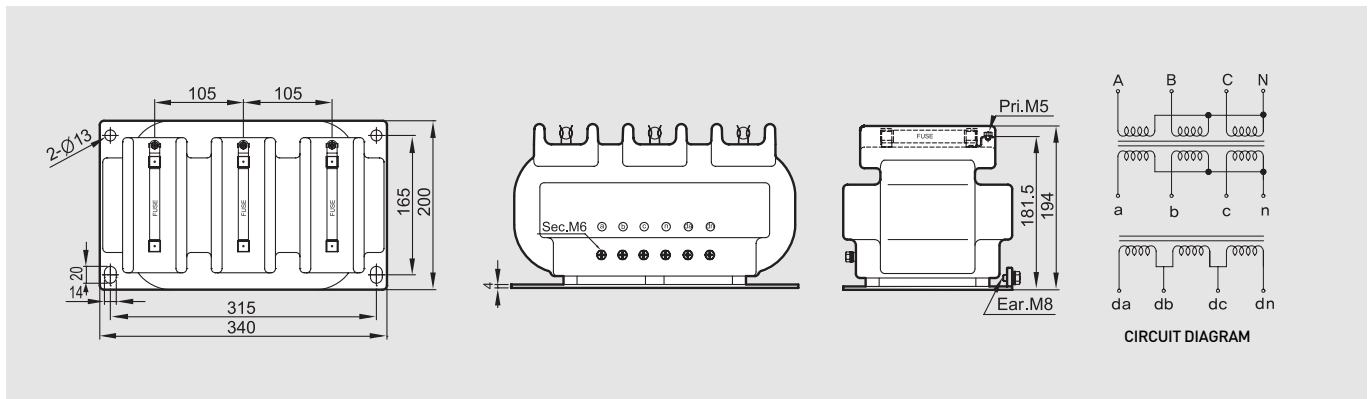
| 규격 / Standard                | KS C 1706            | JEC 1201                 | IEC 61869-3              |
|------------------------------|----------------------|--------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV                | 6.9kV                    | 7.2kV                    |
| 1차 전압 / Primary Voltage      | 6600/√3 V            | 6600/√3 V                | 6600/√3 V                |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V |                          |                          |
| 3차 전압 / Tertiary Voltage     | 110/√3 V or 190/3V   |                          |                          |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV      | 6.9 / 22 / 60kV          | 7.2 / 20 / 60kV          |
| 과전압 배수 / Over Voltage Factor | -                    | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz           |                          |                          |
| 중량 / Weight(kg)              | ≒ 35                 |                          |                          |

| 계급 / Accuracy Class |          |             | 부담 / Burden   |                          |
|---------------------|----------|-------------|---------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-61NTY(F)  |                          |
| 0.5                 | 0.5 / 3G | 0.5 / 3P    | 3×50 / 100VA  | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0 / 3G | 1.0 / 3P    | 3×100 / 200VA | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0 / 3G | 1.0 / 3P    | 3×50 / 100VA  | 1.2Vn Cont., 1.9Vn/8hr   |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage | 3차 전압 / Tertiary Voltage |
|-------------------------|---------------------------|--------------------------|
| 6600/√3 V               | 110/√3 V or 190/√3 V      | 110/√3 V or 190/3V       |

## ■ 외형치수 / Dimension





## 3PE-62V(F)

배전반용 / For Switchgear

### 최고회로 전압

Max. Voltage: 7.2~12kV

#### 특징 / Feature

- 옥내용 / For Indoor
- 삼상용 / Three Phase (3P3W)
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : V or  $\Delta$

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

#### 사양 / Specification

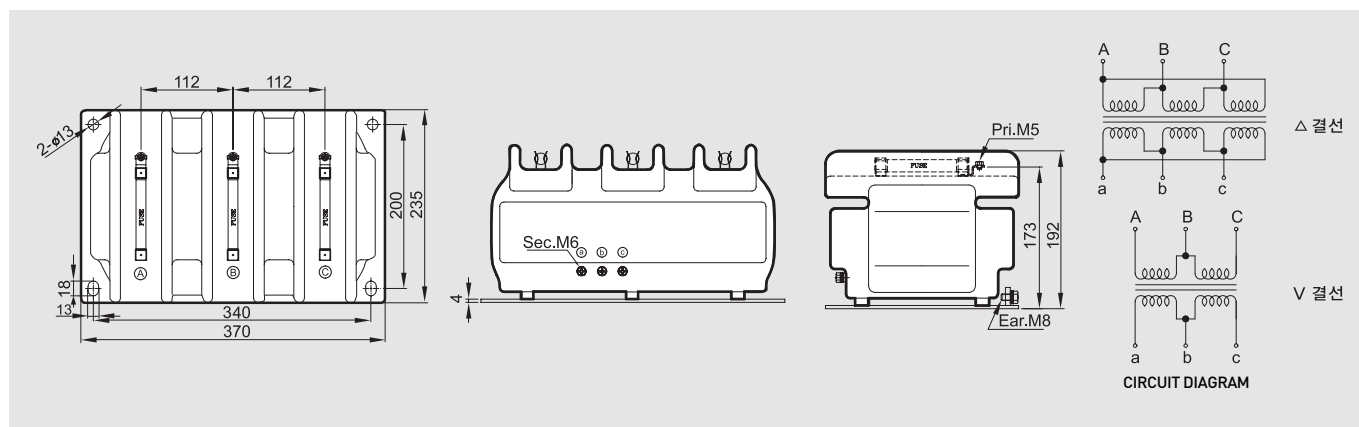
| 규격 / Standard                | KS C 1706                         | JEC 1201                          | IEC 61869-3                     |
|------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV                     | 6.9kV, 11.5kV                     | 7.2kV, 12kV                     |
| 1차 전압 / Primary Voltage      | 6600V, 11000V                     | 6600V, 11000V                     | 6600V, 11000V                   |
| 2차 전압 / Secondary Voltage    | 110V or 220V                      |                                   |                                 |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV, 11.5 / 28 / 95kV | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV |
| 과전압 배수 / Over Voltage Factor | -                                 | 1.1Vn Continuous                  | 1.2Vn Continuous                |
| 주파수 / Frequency              | 60 or 50Hz                        |                                   |                                 |
| 중량 / Weight(kg)              | ≈ 40                              |                                   |                                 |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                  |
|---------------------|----------|-------------|-------------|------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-62V(F)  |                  |
| 0.5                 | 0.5      | 0.5         | 2×200VA     | 1.2Vn Continuous |
| 1.0                 | 1.0      | 1.0         | 2×200VA     | 1.2Vn Continuous |
| 3.0                 | 3.0      | 3.0         | 2×300VA     | 1.2Vn Continuous |

#### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage |
|-------------------------|---------------------------|
| 6600, 11000V            | 110, 220V                 |

#### 외형치수 / Dimension





고압 계기용 변압기(삼상용)

## MV Three Phase Voltage Transformer



## 3PE-62NY(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 7.2~12kV

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase(3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

## ■ 사양 / Specification

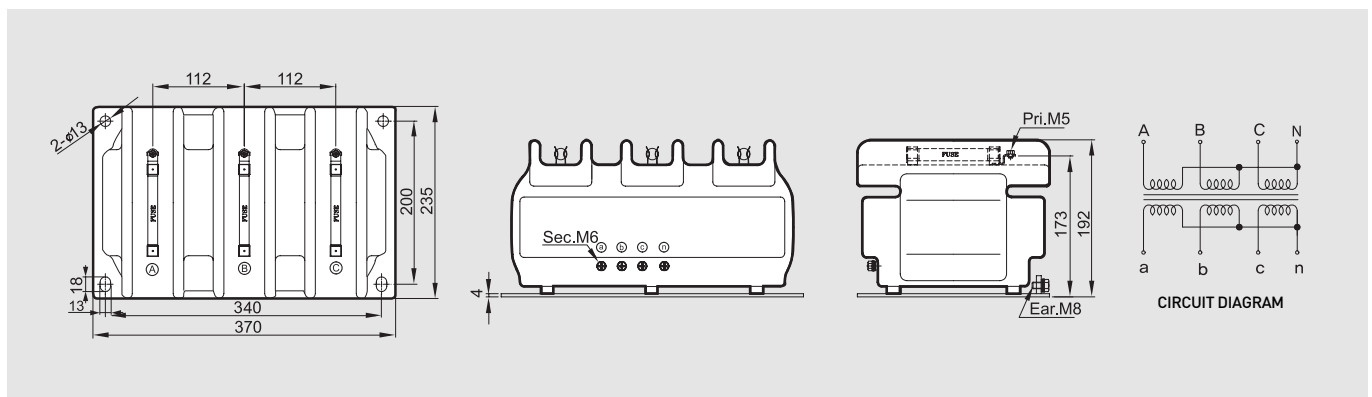
| 규격 / Standard                | KS C 1706                         | JEC 1201                          | IEC 61869-3                     |
|------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV                     | 6.9kV, 11.5kV                     | 7.2kV, 12kV                     |
| 1차 전압 / Primary Voltage      | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V           |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V              |                                   |                                 |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV, 11.5 / 28 / 95kV | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV |
| 과전압 배수 / Over Voltage Factor | -                                 | 1.1Vn Cont., 1.9Vn/30min          | 1.2Vn Cont., 1.9Vn/30sec        |
| 주파수 / Frequency              | 60 or 50Hz                        |                                   |                                 |
| 중량 / Weight(kg)              | ≈ 40                              |                                   |                                 |

| 계급 / Accuracy Class |          |             | 부담 / Burden |                          |
|---------------------|----------|-------------|-------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-62NY(F) |                          |
| 0.5                 | 0.5      | 0.5         | 3×200VA     | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0      | 1.0         | 3×200VA     | 1.2Vn Cont., 1.9Vn/30sec |
| 3.0                 | 3.0      | 3.0         | 3×300VA     | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0      | 1.0         | 3×200VA     | 1.2Vn Cont., 1.9Vn/8hr   |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage |
|-------------------------|---------------------------|
| 6600/√3 V, 11000/√3 V   | 110/√3 V or 190/√3 V      |

## ■ 외형치수 / Dimension





# 3PE-62NTY(F)

배전반용 / For Switchgear

## 최고회로 전압

Max. Voltage : 7.2~12kV

### 특징 / Feature

- 옥내용 / For Indoor
- 삼상 / Three Phase (3P4W)
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz
- 결선 / Connection : Y, 3rd Connection : Open Delta

※ 주의 : 지락 사고/ 단선 사고 시 소손되거나 보호 계전기의 오동작을 발생 시킬 수 있으므로 계측용 또는 알람용으로만 사용하십시오.

※ Caution : This product can make a damage by a fire or cause malfunction of the protective relay when line to ground fault or single line short circuit fault, please use for measuring or alarms only.

### 사양 / Specification

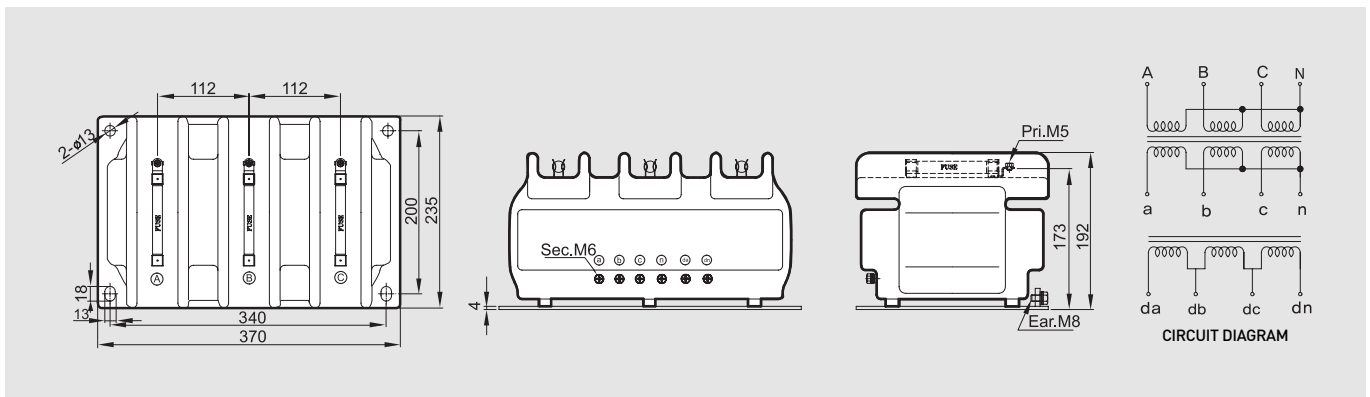
| 규격 / Standard                | KS C 1706                         | JEC 1201                          | IEC 61869-3                     |
|------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| 최고 회로 전압 / Max. Voltage      | 7.2kV, 11.5kV                     | 6.9kV, 11.5kV                     | 7.2kV, 12kV                     |
| 1차 전압 / Primary Voltage      | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V             | 6600/√3 V, 11000/√3 V           |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V              |                                   |                                 |
| 3차 전압 / Tertiary Voltage     | 110/√3 V or 190/3V                |                                   |                                 |
| 절연 계급 / Insulation Level     | 7.2 / 22 / 60kV, 11.5 / 28 / 95kV | 6.9 / 22 / 60kV, 11.5 / 28 / 90kV | 7.2 / 20 / 60kV, 12 / 28 / 75kV |
| 과전압 배수 / Over Voltage Factor | -                                 | 1.1Vn Cont., 1.9Vn/30min          | 1.2Vn Cont., 1.9Vn/30sec        |
| 주파수 / Frequency              | 60 or 50Hz                        |                                   |                                 |
| 중량 / Weight(kg)              | ≈ 40                              |                                   |                                 |

| 계급 / Accuracy Class |          |             | 부담 / Burden   |                          |
|---------------------|----------|-------------|---------------|--------------------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | 3PE-62NTY(F)  |                          |
| 0.5                 | 0.5 / 3G | 0.5 / 3P    | 3×100 / 200VA | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0 / 3G | 1.0 / 3P    | 3×200 / 500VA | 1.2Vn Cont., 1.9Vn/30sec |
| 1.0                 | 1.0 / 3G | 1.0 / 3P    | 3×100 / 200VA | 1.2Vn Cont., 1.9Vn/8hr   |

### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage | 2차 전압 / Secondary Voltage | 3차 전압 / Tertiary Voltage |
|-------------------------|---------------------------|--------------------------|
| 6600/√3 V, 11000/√3 V   | 110/√3 V or 190/√3 V      | 110/√3 V or 190/3V       |

### 외형치수 / Dimension





고압 계기용 변압기

## MV Voltage Transformer



## PE-15(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~15.5kV

## ■ 특징 / Feature

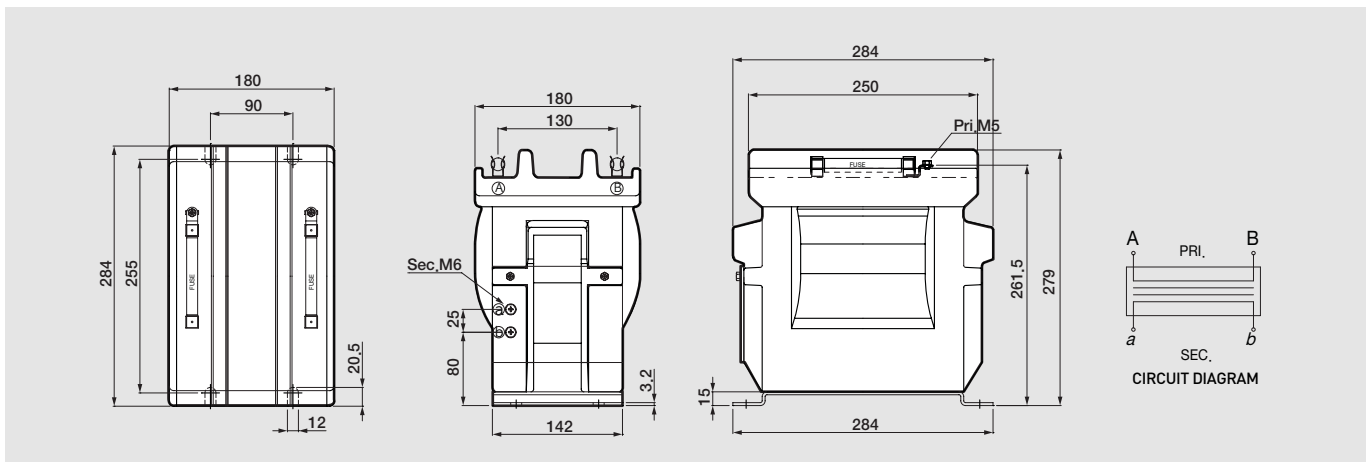
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

| 규격 / Standard                | KS C 1706                           | IEC 61869-3      |
|------------------------------|-------------------------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 11.5kV, 13.8kV                      | 12kV             |
| 1차 전압 / Primary Voltage      | 11000V, 13200V                      | 11000V           |
| 2차 전압 / Secondary Voltage    | 110V                                |                  |
| 절연 계급 / Insulation Level     | 11.5 / 28 / 95kV, 13.8 / 39 / 115kV | 12 / 28 / 75kV   |
| 과전압 배수 / Over Voltage Factor | -                                   | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz                          |                  |
| 중량 / Weight(kg)              | ≒ 27kg                              |                  |

| 계급 / Accuracy Class |             | 부담 / Burden   |           |
|---------------------|-------------|---------------|-----------|
| KS C 1706           | IEC 61869-3 | PE-15(F)      | PE-15D(F) |
| 0.2                 | 0.2         | 15VA          |           |
| 0.5                 | 0.5         | 100VA         |           |
| 1.0                 | 1.0         | 100 or 200VA  |           |
| 3.0                 | 3.0         | 500 or 1000VA |           |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-15N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~15.5kV

Fuse Type

## ■ 특징 / Feature

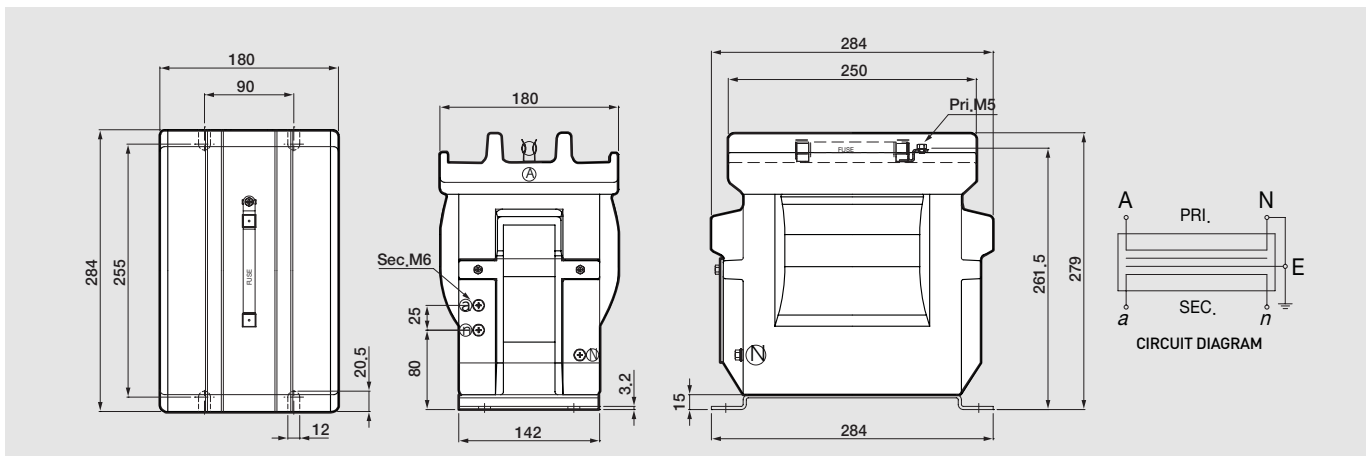
- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

| 규격 / Standard                | KS C 1706                   | IEC 61869-3              |
|------------------------------|-----------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 11.5kV, 13.8kV              | 12kV                     |
| 1차 전압 / Primary Voltage      | 11000/√3 V, 13200/√3 V      | 11000/√3 V               |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V        | 110-110/√3 V             |
| 3차 전압 / Tertiary Voltage     | -                           | 110/√3 V or 190/3V       |
| 절연 계급 / Insulation Level     | 11.5/28/95kV, 13.8/39/115kV | 12/28/75kV               |
| 과전압 배수 / Over Voltage Factor | -                           | 1.2Vn Cont., 1.9Vn/30sec |
| 주파수 / Frequency              | 60 or 50Hz                  |                          |
| 중량 / Weight(kg)              | ≒ 27kg                      |                          |

| 계급 / Accuracy Class |             | 부담 / Burden  |              |             |             |
|---------------------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | IEC 61869-3 | PE-15N(F)    | PE-15ND(F)   | PE-15NT(F)  | PE-15NDT(F) |
| 0.5                 | 0.5         | 50VA         | 50VA         | -           | -           |
| 1.0                 | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1.0/3P      | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | 1.0/3P      | -            | -            | 200 / 300VA | 200 / 300VA |

## ■ 외형치수 / Dimension







고압 계기용 변압기

# MV Voltage Transformer



## PE-17(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~17.5kV

Fuse Type

### 특징 / Feature

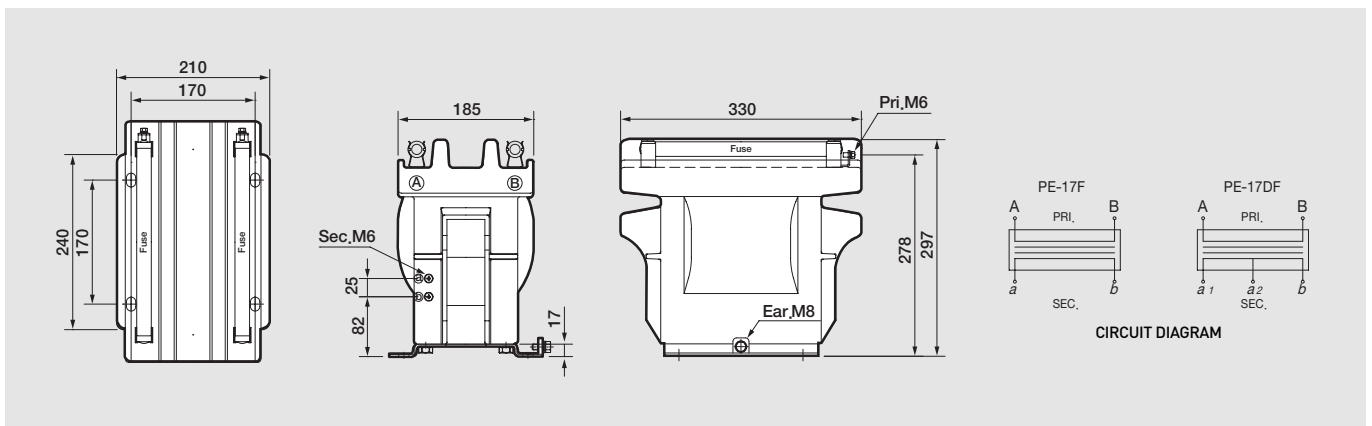
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

| 규격 / Standard                | KS C 1706                                   | IEC 61869-3              |
|------------------------------|---------------------------------------------|--------------------------|
| 최고 회로 전압 / Max. Voltage      | 11.5kV, 13.8kV, 17.25kV                     | 12kV, 17.5kV             |
| 1차 전압 / Primary Voltage      | 11000V, 11400V, 13200V, 13800V              | 11000V, 13200V, 13800V   |
| 2차 전압 / Secondary Voltage    | 110V                                        |                          |
| 절연 계급 / Insulation Level     | 11.5/28/95kV, 13.8/39/115kV, 17.25/39/100kV | 12/28/75kV, 17.5/38/95kV |
| 과전압 배수 / Over Voltage Factor | -                                           | 1.2Vn Continuous         |
| 주파수 / Frequency              | 60 or 50Hz                                  |                          |
| 중량 / Weight(kg)              | ≒ 30                                        |                          |

| 계급 / Accuracy Class |             | 부담 / Burden   |           |
|---------------------|-------------|---------------|-----------|
| KS C 1706           | IEC 61869-3 | PE-17(F)      | PE-17D(F) |
| 0.2                 | 0.2         | 15VA          |           |
| 0.5                 | 0.5         | 100VA         |           |
| 1.0                 | 1.0         | 100 or 200VA  |           |
| 3.0                 | 3.0         | 500 or 1000VA |           |

### 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-17N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~17.5kV

Fuse Type

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

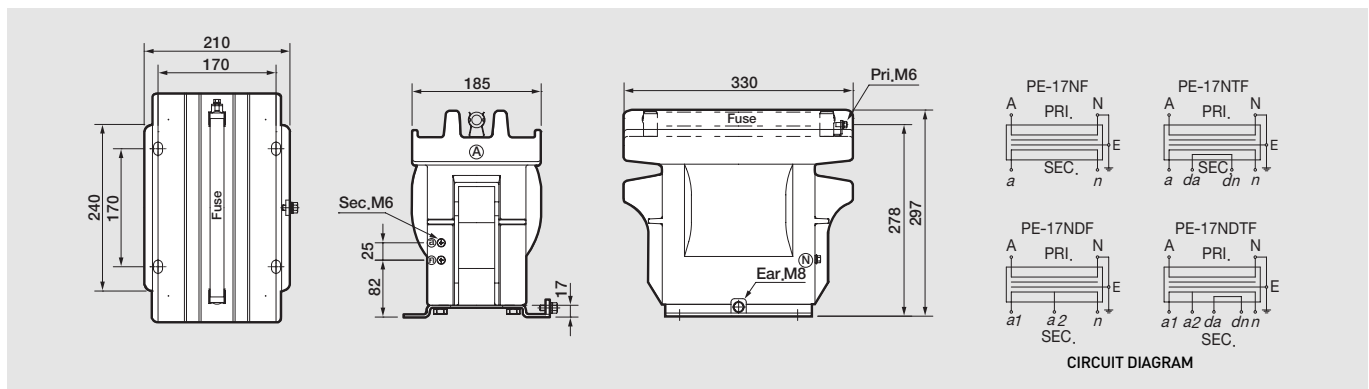
| 규격 / Standard                | KS C 1706                                               | IEC 61869-3                                  |
|------------------------------|---------------------------------------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 11.5kV, 13.8kV, 17.25kV                                 | 12kV, 17.5kV                                 |
| 1차 전압 / Primary Voltage      | 11000/√3 V, 11400/√3 V, 13200/√3 V, 13800/√3 V          | 11000/√3 V, 13200/√3 V, 13800/√3 V           |
| 2차 전압 / Secondary Voltage    | 110/√3 V or 190/√3 V                                    | 110-110/√3 V                                 |
| 3차 전압 / Tertiary Voltage     | -                                                       | 110/√3 V or 190/3 V                          |
| 절연 계급 / Insulation Level     | 11.5 / 28 / 95kV, 13.8 / 39 / 115kV, 17.25 / 39 / 100kV | 12 / 28 / 75kV, 17.5 / 38 / 95kV             |
| 과전압 배수 / Over Voltage Factor | -                                                       | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                                              |                                              |
| 중량 / Weight(kg)              | ≒ 30                                                    |                                              |

| 계급 / Accuracy Class |             | 부담 / Burden  |              |             |             |
|---------------------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | IEC 61869-3 | PE-17N(F)    | PE-17ND(F)   | PE-17NT(F)  | PE-17NDT(F) |
| 0.5                 | 0.5         | 50VA         | 50VA         | -           | -           |
| 1.0                 | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1.0 / 3P    | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | 1.0 / 3P    | -            | -            | 200 / 300VA | 200 / 300VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                  | 2차 전압 / Secondary Voltage    | 3차 전압 / Tertiary Voltage |
|------------------------------------------|------------------------------|--------------------------|
| 11000/√3, 11400/√3, 13200/√3, 13800/√3 V | 110-110/√3, 110/√3, 190/√3 V | 110/√3, 190/3 V          |

## ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

# MV Earthed Voltage Transformer



## PE-25N

배전반용 / For Switchgear

### 최고회로 전압

Max. Voltage : 24kV(25.8kV)

#### ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec  
(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

#### ■ 사양 / Specification

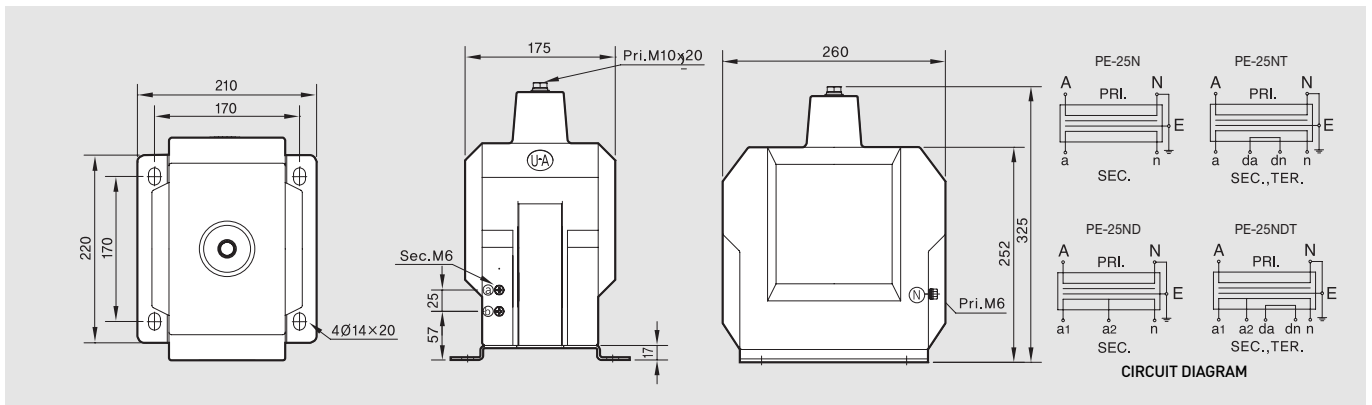
| 규격 / Standard                | KS C 1706                              | JEC 1201                     | IEC 61869-3                                  |
|------------------------------|----------------------------------------|------------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV                                 | 23kV                         | 24kV                                         |
| 1차 전압 / Primary Voltage      | 22900/ $\sqrt{3}$ V                    | 22000/ $\sqrt{3}$ V          | 22900/ $\sqrt{3}$ V                          |
| 2차 전압 / Secondary Voltage    | 110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V |                              | 110-110/ $\sqrt{3}$ V                        |
| 3차 전압 / Tertiary Voltage     | -                                      | 110/ $\sqrt{3}$ V or 190/3 V | 110/ $\sqrt{3}$ V or 190/3 V                 |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV(150kV)               | 23 / 50 / 125kV(150kV)       | 24 / 50 / 125kV(95kV)                        |
| 과전압 배수 / Over Voltage Factor | -                                      | 1.1Vn Cont., 1.9Vn/30min     | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                             |                              |                                              |
| 중량 / Weight(kg)              | ≈ 26                                   |                              |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |              |             |             |
|---------------------|----------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-25N       | PE-25ND      | PE-25NT     | PE-25NDT    |
| 0.5                 | -        | 0.5         | 50VA         | 50VA         | -           | -           |
| 1.0                 | 1P       | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3P       | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1P / 3G  | 1.0 / 3P    | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | -        | 1.0 / 3P    | -            | -            | 200 / 300VA | 200 / 300VA |

#### ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                     | 2차 전압 / Secondary Voltage                                 | 3차 전압 / Tertiary Voltage  |
|-------------------------------------------------------------|-----------------------------------------------------------|---------------------------|
| 13200/ $\sqrt{3}$ , 13800/ $\sqrt{3}$ , 22900/ $\sqrt{3}$ V | 110-110/ $\sqrt{3}$ , 110/ $\sqrt{3}$ , 190/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ , 190/3 V |

#### ■ 외형치수 / Dimension



PT. KORTECH ANUGERAH INDONESIA | 0812-947-9297 | itsmom113@hotmail.com



## CPE-25N

배전반용 / For Switchgear

### 최고회로 전압

Max. Voltage : 24kV(25.8kV)

#### ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 케이블용 / Cable Type
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec (Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

#### ■ 사양 / Specification

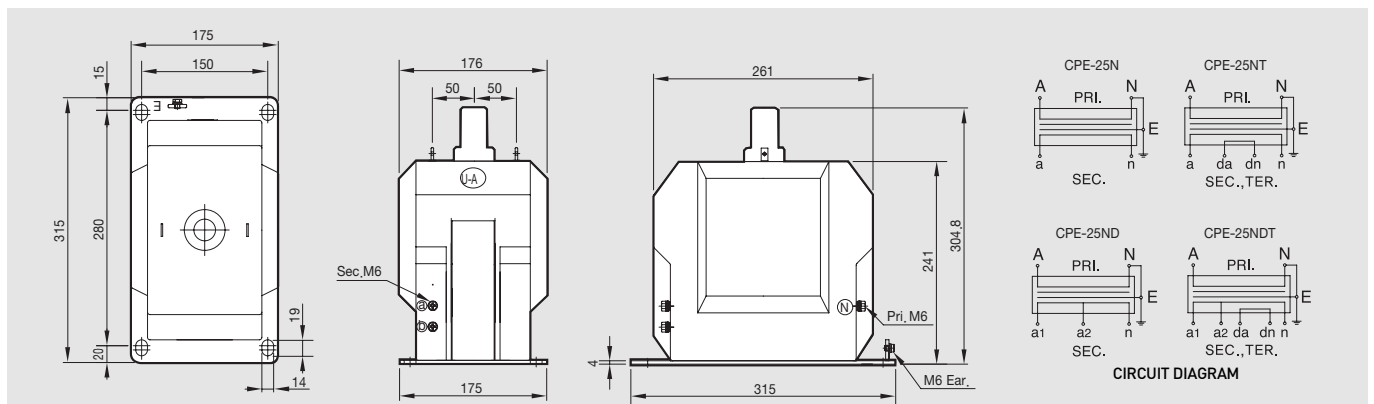
| 규격 / Standard                | KS C 1706          | JEC 1201                 | IEC 61869-3                                  |
|------------------------------|--------------------|--------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV             | 23kV                     | 24kV                                         |
| 1차 전압 / Primary Voltage      | 22900/√3           | 22000/√3                 | 22900/√3                                     |
| 2차 전압 / Secondary Voltage    | 110/√3V or 190/√3V |                          | 110-110/√3V                                  |
| 3차 전압 / Tertiary Voltage     | -                  | 110/√3V or 190/3V        |                                              |
| 절연 계급 / Insulation Level     | 25.8/50/150kV      | 23/50/125kV              | 24/50/125kV (95kV)                           |
| 과전압 배수 / Over Voltage Factor | -                  | 1.1Vn Cont., 1.9Vn/30min | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz         |                          |                                              |
| 중량 / Weight(kg)              | ≈ 26               |                          |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |              |             |             |
|---------------------|----------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | CPE-25N      | CPE-25ND     | CPE-25NT    | CPE-25NDT   |
| 0.5                 | -        | 0.5         | 50VA         | 50VA         | -           | -           |
| 1.0                 | 1P       | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3P       | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1P / 3G  | 1.0 / 3P    | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | -        | 1.0 / 3P    | -            | -            | 200 / 300VA | 200 / 300VA |

#### ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage       | 2차 전압 / Secondary Voltage   | 3차 전압 / Tertiary Voltage |
|-------------------------------|-----------------------------|--------------------------|
| 13200/√3, 13800/√3, 22900/√3V | 110-110/√3, 110/√3, 190/√3V | 110/√3, 190/3V           |

#### ■ 외형치수 / Dimension





고압 계기용 변압기

# MV Voltage Transformer



## PE-26

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

### 특징 / Feature

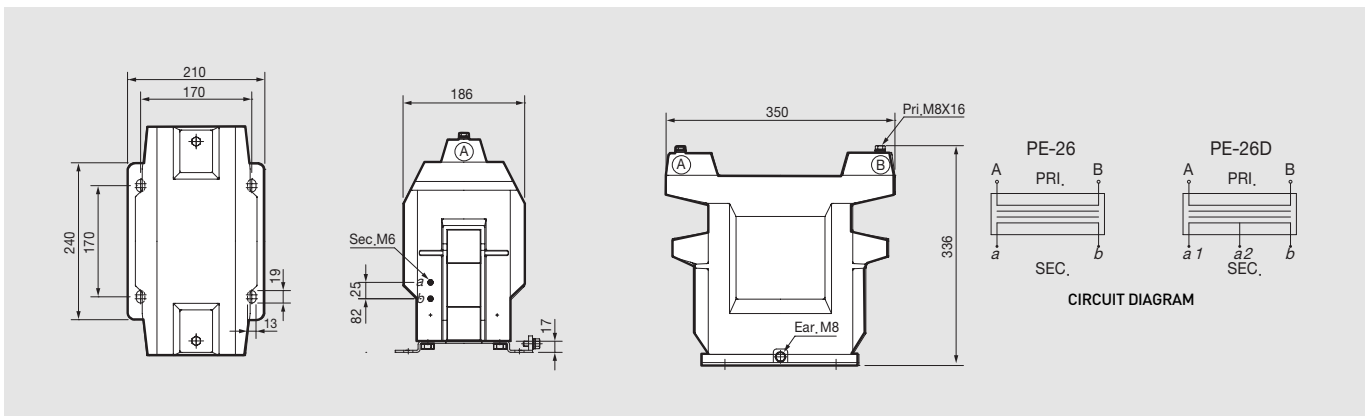
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

| 규격 / Standard                | KS C 1706                | JEC 1201               | IEC 61869-3      |
|------------------------------|--------------------------|------------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV                   | 23kV                   | 24kV             |
| 1차 전압 / Primary Voltage      | 22900V                   | 22000V                 | 22900V           |
| 2차 전압 / Secondary Voltage    | 110V                     |                        |                  |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV(150kV) | 23 / 50 / 125kV(150kV) | 24 / 50 / 125kV  |
| 과전압 배수 / Over Voltage Factor | -                        | 1.1Vn Continuous       | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz               |                        |                  |
| 중량 / Weight(kg)              | ≒ 33                     |                        |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |        |
|---------------------|----------|-------------|--------------|--------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-26        | PE-26D |
| 0.2                 | -        | 0.2         | 15VA         |        |
| 0.5                 | -        | 0.5         | 100VA        |        |
| 1.0                 | 1P       | 1.0         | 100 or 200VA |        |
| 3.0                 | 3P       | 3.0         | 500VA        |        |

### 외형치수 / Dimension





고압 계기용 변압기(접지형)

## MV Earthed Voltage Transformer



## PE-26N

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

## ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

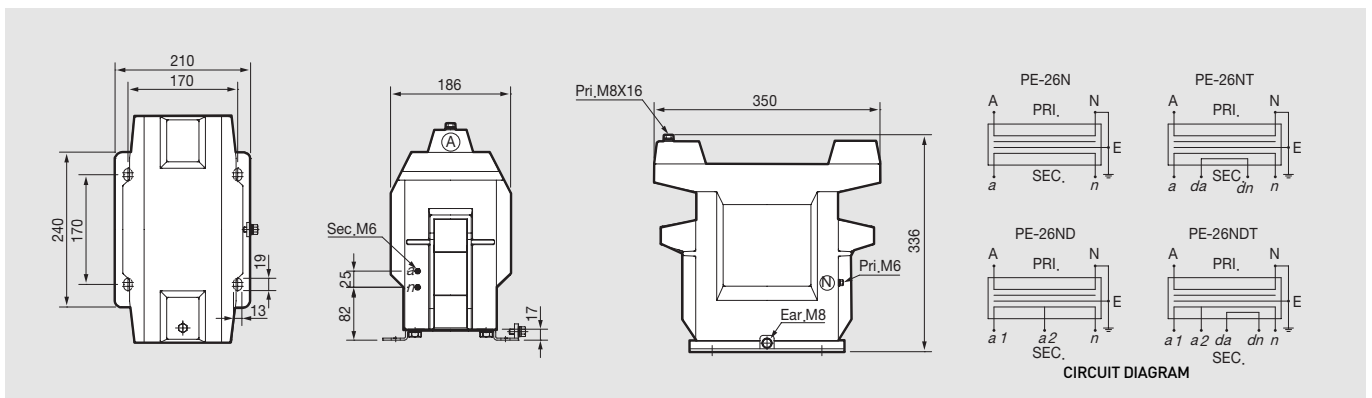
| 규격 / Standard                | KS C 1706                              | JEC 1201                    | IEC 61869-3                                  |
|------------------------------|----------------------------------------|-----------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV                                 | 23kV                        | 24kV                                         |
| 1차 전압 / Primary Voltage      | 22900/ $\sqrt{3}$ V                    | 22000/ $\sqrt{3}$ V         | 22900/ $\sqrt{3}$ V                          |
| 2차 전압 / Secondary Voltage    | 110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V |                             | 110-110/ $\sqrt{3}$ V                        |
| 3차 전압 / Tertiary Voltage     | -                                      | 110/ $\sqrt{3}$ V or 190/3V | 110/ $\sqrt{3}$ V or 190/3V                  |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV(150kV)               | 23 / 50 / 125kV(150kV)      | 24 / 50 / 125kV                              |
| 과전압 배수 / Over Voltage Factor | -                                      | 1.1Vn Cont., 1.9Vn/30min    | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                             |                             |                                              |
| 중량 / Weight(kg)              | ≈ 33                                   |                             |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |              |             |             |
|---------------------|----------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-26N       | PE-26ND      | PE-26NT     | PE-26NDT    |
| 0.5                 | -        | 0.5         | 50VA         | 50VA         | -           | -           |
| 1.0                 | 1P       | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3P       | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1P / 3G  | 1.0 / 3P    | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | -        | 1.0 / 3P    | -            | -            | 200 / 300VA | 200 / 300VA |

## ■ 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                     | 2차 전압 / Secondary Voltage                                 | 3차 전압 / Tertiary Voltage |
|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------|
| 13200/ $\sqrt{3}$ , 13800/ $\sqrt{3}$ , 22900/ $\sqrt{3}$ V | 110-110/ $\sqrt{3}$ , 110/ $\sqrt{3}$ , 190/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ , 190/3V |

## ■ 외형치수 / Dimension



PT. KORTECH ANUGERAH INDONESIA | 0812-947-9297 | itsmom113@hotmail.com

Products Guide \_ 189

E

MV VT



고압 계기용 변압기(접지형)

# MV Earthed Voltage Transformer



## PE-26NF

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 24kV(25.8kV)

Fuse Type

### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

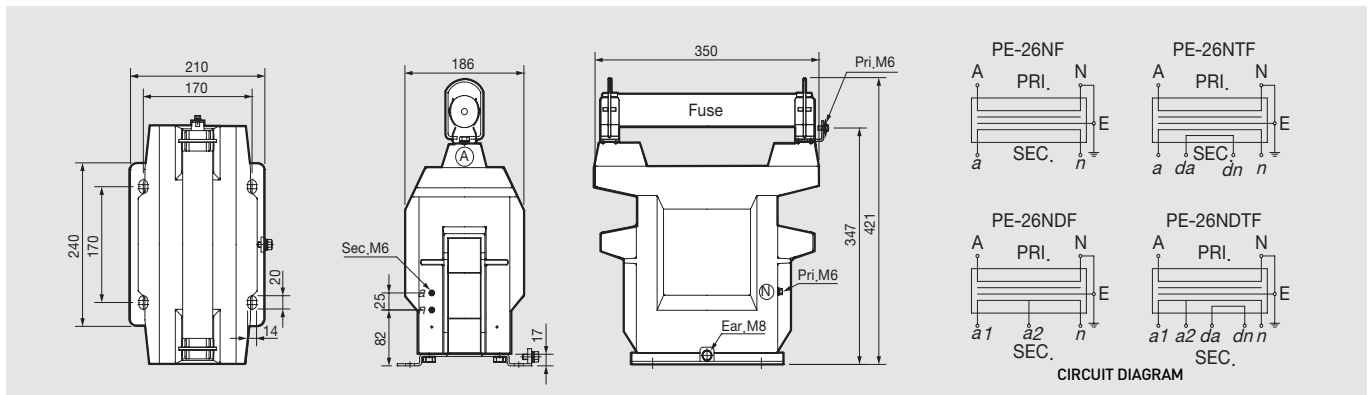
| 규격 / Standard                | KS C 1706                              | JEC 1201                    | IEC 61869-3                                  |
|------------------------------|----------------------------------------|-----------------------------|----------------------------------------------|
| 최고 회로 전압 / Max. Voltage      | 25.8kV                                 | 23kV                        | 24kV                                         |
| 1차 전압 / Primary Voltage      | 22900/ $\sqrt{3}$ V                    | 22000/ $\sqrt{3}$ V         | 22900/ $\sqrt{3}$ V                          |
| 2차 전압 / Secondary Voltage    | 110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V |                             | 110-110/ $\sqrt{3}$ V                        |
| 3차 전압 / Tertiary Voltage     | -                                      | 110/ $\sqrt{3}$ V or 190/3V | 110/ $\sqrt{3}$ V or 190/3V                  |
| 절연 계급 / Insulation Level     | 25.8 / 50 / 125kV(150kV)               | 23 / 50 / 125kV(150kV)      | 24 / 50 / 125kV                              |
| 과전압 배수 / Over Voltage Factor | -                                      | 1.1Vn Cont., 1.9Vn/30min    | 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr) |
| 주파수 / Frequency              | 60 or 50Hz                             |                             |                                              |
| 중량 / Weight(kg)              | ≈ 33                                   |                             |                                              |

| 계급 / Accuracy Class |          |             | 부담 / Burden  |              |             |             |
|---------------------|----------|-------------|--------------|--------------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-26NF      | PE-26NDF     | PE-26NTF    | PE-26NDTF   |
| 0.5                 | -        | 0.5         | 100VA        | 100VA        | -           | -           |
| 1.0                 | 1P       | 1.0         | 100 or 200VA | 100 or 200VA | -           | -           |
| 3.0                 | 3P       | 3.0         | 300VA        | 300VA        | -           | -           |
| -                   | 1P / 3G  | 1.0 / 3P    | -            | -            | 100 / 200VA | 100 / 200VA |
| -                   | -        | 1.0 / 3P    | -            | -            | 200 / 300VA | 200 / 300VA |

### 주문형 전압비 / Optional Voltage

| 1차 전압 / Primary Voltage                                     | 2차 전압 / Secondary Voltage                                 | 3차 전압 / Tertiary Voltage |
|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------|
| 13200/ $\sqrt{3}$ , 13800/ $\sqrt{3}$ , 22900/ $\sqrt{3}$ V | 110-110/ $\sqrt{3}$ , 110/ $\sqrt{3}$ , 190/ $\sqrt{3}$ V | 110/ $\sqrt{3}$ , 190/3V |

### 외형치수 / Dimension







고압 계기용 변압기

## MV Voltage Transformer



## PE-27(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 15.5~25.8kV

Fuse Type

## ■ 특징 / Feature

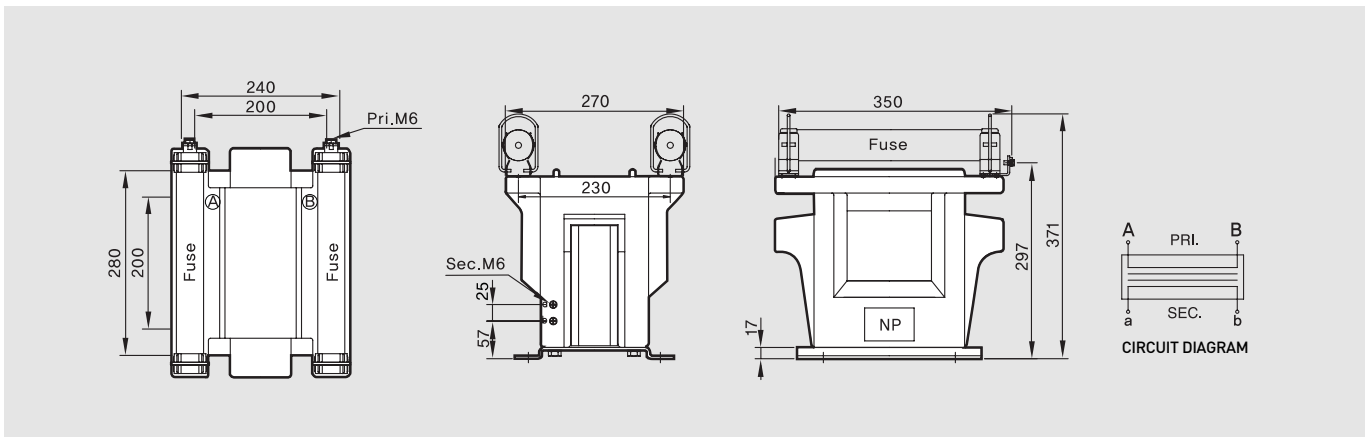
- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Continuous
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

## ■ 사양 / Specification

| 규격 / Standard                | KS C 1706           | JEC 1201         | IEC 61869-3      |
|------------------------------|---------------------|------------------|------------------|
| 최고 회로 전압 / Max. Voltage      | 17.25kV             | 17.25~23kV       | 17.5~24kV        |
| 1차 전압 / Primary Voltage      | 13200V              | 13200~22000V     | 13200~22900V     |
| 2차 전압 / Secondary Voltage    | 110V                |                  |                  |
| 절연 계급 / Insulation Level     | 17.25/39/100kV(15B) | 17.25/39/115kV   | 17.5/38/95kV     |
| 과전압 배수 / Over Voltage Factor | 1.1Vn Continuous    | 1.1Vn Continuous | 1.2Vn Continuous |
| 주파수 / Frequency              | 60 or 50Hz          |                  |                  |
| 중량 / Weight(kg)              | ≒43kg               |                  |                  |

| 계급 / Accuracy Class |          |             | 부담 / Burden |
|---------------------|----------|-------------|-------------|
| KS C 1706           | JEC 1201 | IEC 61869-3 | PE-27(F)    |
| 0.2                 | -        | 0.2         | 50VA        |
| 0.5                 | -        | 0.5         | 200VA       |
| 1.0                 | 1P       | 1.0         | 50~500VA    |
| 3.0                 | 3P       | 3.0         | 1000VA      |

## ■ 외형치수 / Dimension





고압 계기용 변압기

## MV Voltage Transformer



# PE-33L

배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 3.6~17.5kV

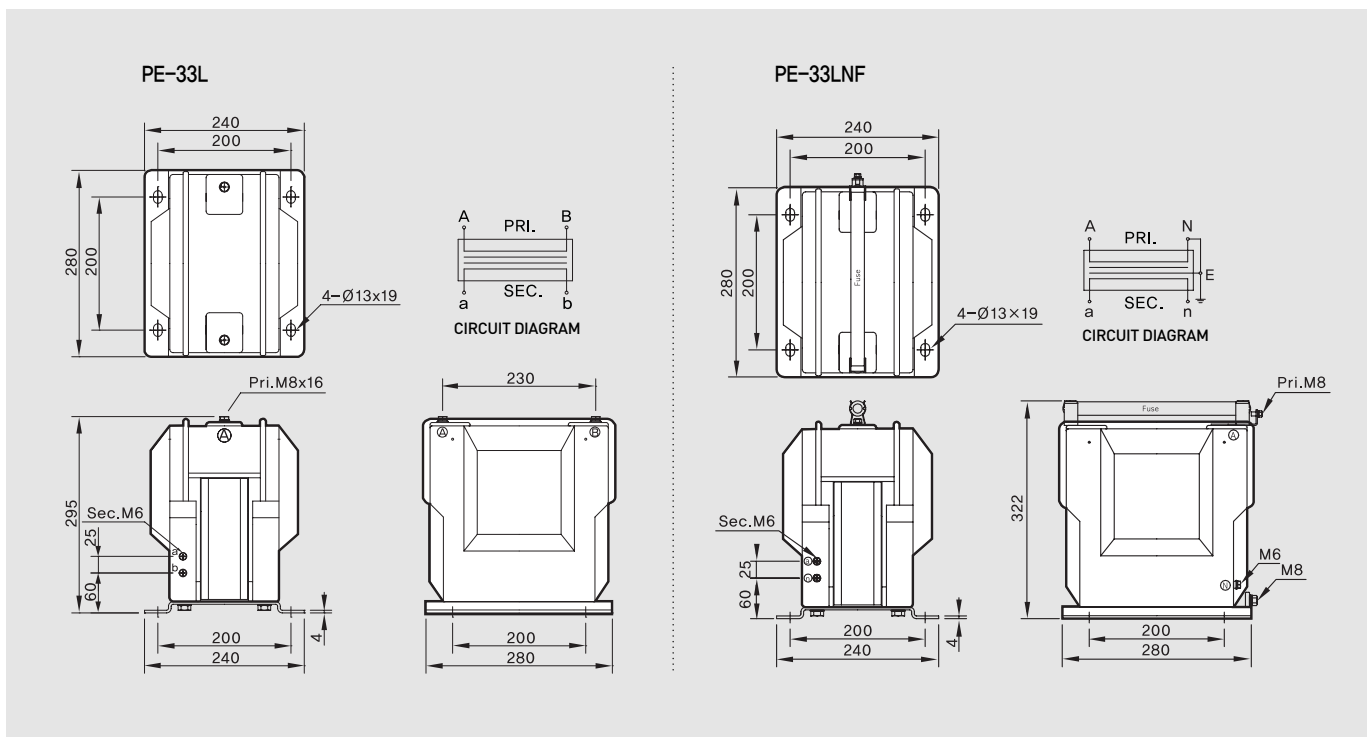
### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer (PE-33L)
- 접지형 / Earthed Voltage Transformer (PE-33LNF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

| Type                      | PE-33L      | PE-33LNF                 |
|---------------------------|-------------|--------------------------|
| 최고 회로 전압 / Max. Voltage   | 17.5kV      | 17.5kV                   |
| 1차 전압 / Primary Voltage   | 13800V      | 13800 / $\sqrt{3}$       |
| 2차 전압 / Secondary Voltage | 110V / 220V | 110/ $\sqrt{3}$ , 190/3V |
| 계급 / Accuracy Class       | 5.0         | 1.0                      |
| 부담 / Burden               | 1500VA      | 500VA                    |
| 중량 / Weight (kg)          | ≈ 40        | ≈ 40                     |

### 외형치수 / Dimension





## PE-33H 배전반용 / For Switchgear

최고회로 전압

Max. Voltage : 12~24kV

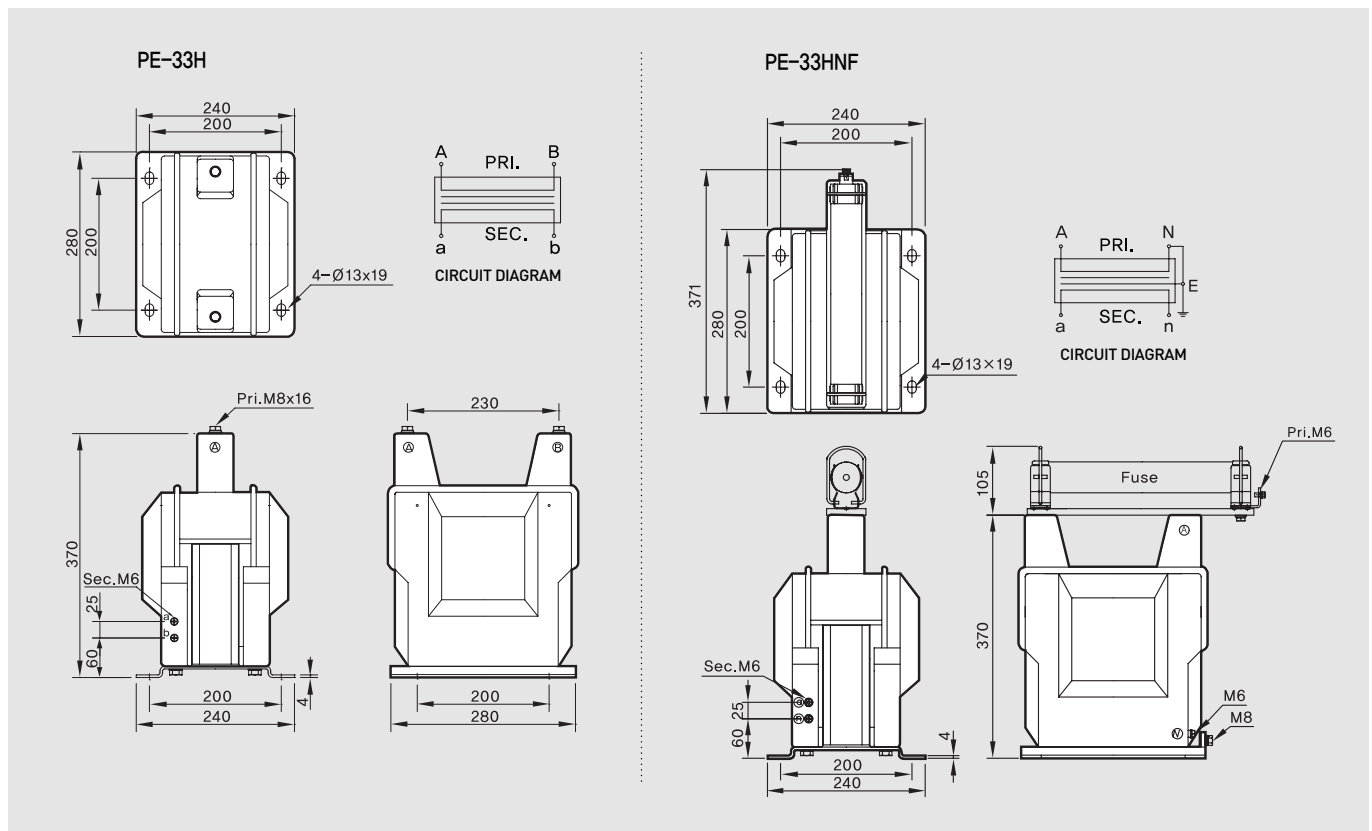
### ■ 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 비접지형 / Line to Line Voltage Transformer (PE-33H)
- 접지형 / Earthed Voltage Transformer (PE-33HNF)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### ■ 사양 / Specification

| Type                      | PE-33H              | PE-33HNF                  |
|---------------------------|---------------------|---------------------------|
| 최고 회로 전압 / Max. Voltage   | 24kV                | 24kV                      |
| 1차 전압 / Primary Voltage   | 22000V              | 22900 / $\sqrt{3}$ V      |
| 2차 전압 / Secondary Voltage | 63.5V / 110V / 220V | 110 / $\sqrt{3}$ , 190/3V |
| 계급 / Accuracy Class       | 3.0                 | 1.0                       |
| 부담 / Burden               | 1000VA              | 500VA                     |
| 중량 / Weight (kg)          | ≒ 40                | ≒ 40                      |

### ■ 외형치수 / Dimension





고압 계기용 변압기(접지형)

# MV Earthed Voltage Transformer



## PE-33N(F)

배전반용 / For Switchgear

최고회로 전압

Max. Voltage :36kV

### 특징 / Feature

- 옥내용 / For Indoor
- 단상 / Single Phase
- 접지형 / Earthed Voltage Transformer
- 과전압 배수 / Over Voltage Factor : 1.2Vn Cont., 1.9Vn/30sec(Option : 1.9Vn/8hr)
- 에폭시 몰드형 / Epoxy Molded Type
- 60 or 50Hz

### 사양 / Specification

| 규격 / Standard             | KS C 1706                              | JEC 1201                     | IEC 61869-3            |                              |
|---------------------------|----------------------------------------|------------------------------|------------------------|------------------------------|
| 최고 회로 전압 / Max. Voltage   | 34.5kV                                 | 34.5kV                       | 36kV                   |                              |
| 1차 전압 / Primary Voltage   | 33000/ $\sqrt{3}$ V                    | 33000/ $\sqrt{3}$ V          | 19000V                 | 33000/ $\sqrt{3}$ V          |
| 2차 전압 / Secondary Voltage | 110/ $\sqrt{3}$ V or 190/ $\sqrt{3}$ V |                              | 110-110/ $\sqrt{3}$ V  | 110-110/ $\sqrt{3}$ V        |
| 3차 전압 / Tertiary Voltage  | -                                      | 110/ $\sqrt{3}$ V or 190/3 V | 190/3V                 | 110/ $\sqrt{3}$ V or 190/3 V |
| 절연 계급 / Insulation Level  | 34.5 / 70 / 170kV(200kV)               | 34.5 / 70 / 170kV(200kV)     | 36 / 70 / 145kV(170kV) |                              |
| 주파수 / Frequency           | 60 or 50Hz                             |                              |                        |                              |
| 계급 / Accuracy Class       | 1.0                                    | 1P / 3G                      | 1.0 / 3P               |                              |
| 부담 / Burden               | 200VA                                  | 500 or 1000VA                | 200 or 500VA           |                              |
| 중량 / Weight (kg)          | ≒ 40                                   |                              |                        |                              |

### 외형치수 / Dimension

