

3-phase Vario®-transformer IP00

Type YRN

Open three-phase Vario® transformer designed and tested according to EN61558 - VDE0570. Designed as three separate single phase toroidal autotransformers. Degree of protection IP00. The Noratel Vario® transformer is an optimal solution when continuous control of voltage and current is preferable. The construction ensures a clean sine voltage and no radio interference or additional harmonics are generated.



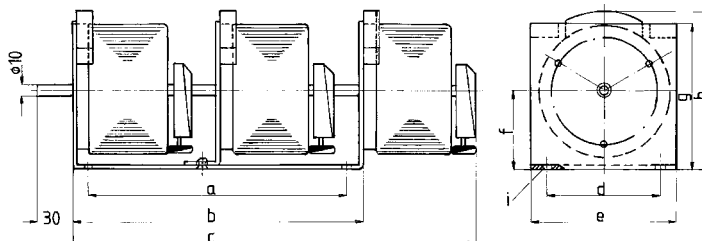
Applications:

For continuous adjustment of alternating voltage and currents. In addition to standard types, Vario® variable transformers are supplied strictly on customer request.

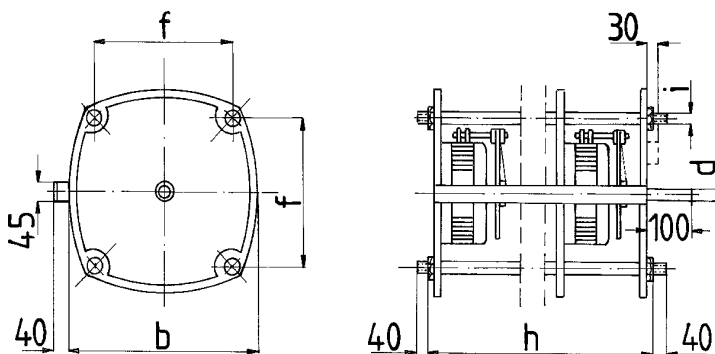
Technical specifications

- Input voltage: 3x230V
3x400V
- Frequency: 48-400Hz
- Output voltage: 3x0-230V, 3x0-400V
3x0-260V, 3x0-450V
- According to: VDE0570, IEC60989
EN61558-2-14
- Test/insulating voltage: 2kV
- Construction class: I
- Insulation class: E (120°C)
- Ambient temp. (t_a): 40°C
- Degree of protection: IP00

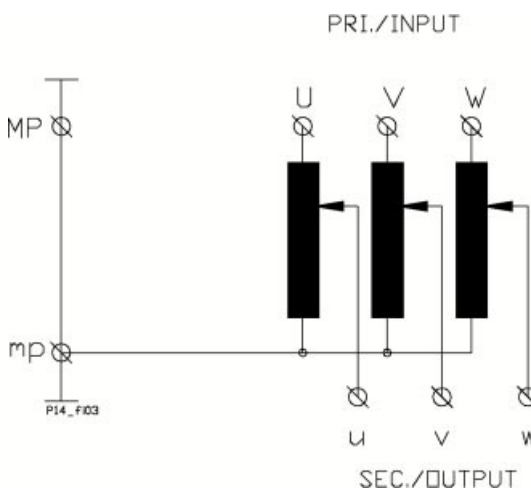
Dimensions 1 (mm)



Dimensions 2 (mm)



Wiring diagram



Dimensions

| Type | Dimensions (mm) | | | | | | | | Dim.-draw. |
|-------------|-----------------|-----|-----|-----|-----|-----|-----|-----|------------|
| | a | b | c | d | e | f | g | h | |
| YRN400/4,5 | 243 | 279 | 390 | 110 | 140 | 75 | 135 | 150 | 1 |
| YRN400/10 | 243 | 279 | 405 | 160 | 190 | 100 | 165 | 195 | 1 |
| YR400/25 | - | 335 | - | 10 | | 249 | - | 510 | 2 |
| YRN450/3,15 | 243 | 279 | 390 | 110 | 140 | 75 | 135 | 150 | 1 |
| YRN450/8 | 243 | 279 | 405 | 160 | 190 | 100 | 165 | 195 | 1 |
| YR450/20 | - | 335 | - | 10 | | 249 | - | 510 | 2 |

Standard types

| Type | Voltage Prim. (V) | Voltage Sec. (V) | Max current Sec. (A) | Weight (Kg) | Art. no: |
|----------------------------------|-------------------|------------------|----------------------|-------------|--------------|
| 3x400/230//3x0-400/0-230V | | | | | |
| YRN400/4,5 | 3x400 | 3x0-400 | 3x4,5 | 14,5 | 4-103-240004 |
| | 3x230 | 3x0-230 | | | |
| YRN400/10 | 3x400 | 3x0-400 | 3x10 | 23,6 | 4-103-240010 |
| | 3x230 | 3x0-230 | | | |
| YR400/25 | 3x400 | 3x0-400 | 3x25 | 51,0 | 4-103-240025 |
| | 3x230 | 3x0-230 | | | |
| 3x400/230//3x0-450/0-260V | | | | | |
| YRN450/3,15 | 3x0-400 | 3x0-450 | 3x3,15 | 14,5 | 4-103-245003 |
| | 3x0-230 | 3x0-260 | | | |
| YRN450/8 | 3x0-400 | 3x0-450 | 3x8 | 23,6 | 4-103-245008 |
| | 3x0-230 | 3x0-260 | | | |
| YR450/20 | 3x0-400 | 3x0-450 | 3x20 | 51,0 | 4-103-245020 |
| | 3x0-230 | 3x0-260 | | | |