

Low voltage 0,1-30kVA, IP23



Type 3LT-23

Capsulated three-phase non short circuit proof transformer with power range up to 30 kVA.

Designed and tested according to EN61558-2-4. Standard types supplied with separate primary and secondary windings. This generates "a new system" in which any earth faults are eliminated. Steel plate enclosure, degree of protection IP23.

Applications:

This is an ideal design for transforming voltage up or down or for installations which require a galvanic partition between the primary and secondary voltage. Protects installations and equipment by generating "a new system" in which any earth faults are eliminated. E.g. electric motor, compressor, cooling plants, automatic washing machines, and to uphold IT or TN-S systems. Custom designed types with other voltages, frequencies, electrostatic shield between primary and secondary, regulations, tappings, transport wheels or other features are available upon request.

Technical specifications

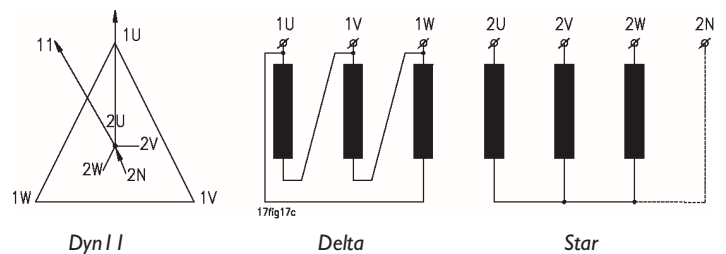
- Input voltage: 3x115 to 3x1000V
- Frequency: 47-63Hz
- Output voltage: 3x115 to 3x1000V
- Vector group: Dyn11 (standard)
Dyn5, Ynd1, Ynd5
- According to: EN61558-2-4
low voltage directive
- Test voltage: 3kV AC RMS
- Construction class: I
- Insulation class: B (130°C)
F (155°C)
- Ambient temp. (t_a): 40°C
- Degree of protection: IP23
- Type of termination: Terminal block

Can be supplied with Cu-bars termination depending on voltage/current.

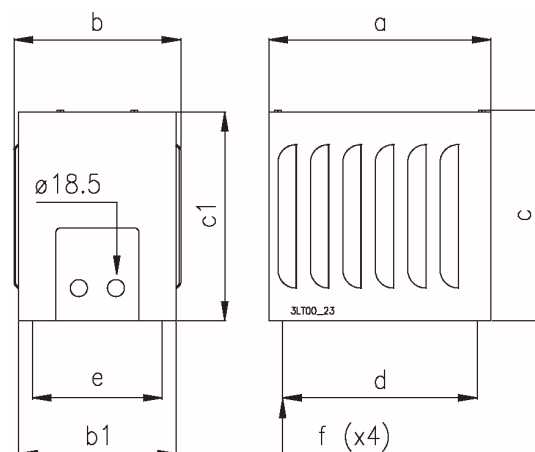


Noratel declare and guarantee that all transformers are designed according to the following standards; EN61558-2-4:1997, EN55014:1993 (EN55014-1:1997), EN61000-3-2:1995, EN61000-3-3:1995, EN55104:1995, (EN55014-2:1997), EN50081-1:1992, EN50082-2:1995 based on the following directives; LVD 2014/35/EU, EMC 2014/30/EU EcoDesign 2009/125/EC

Standard vector group

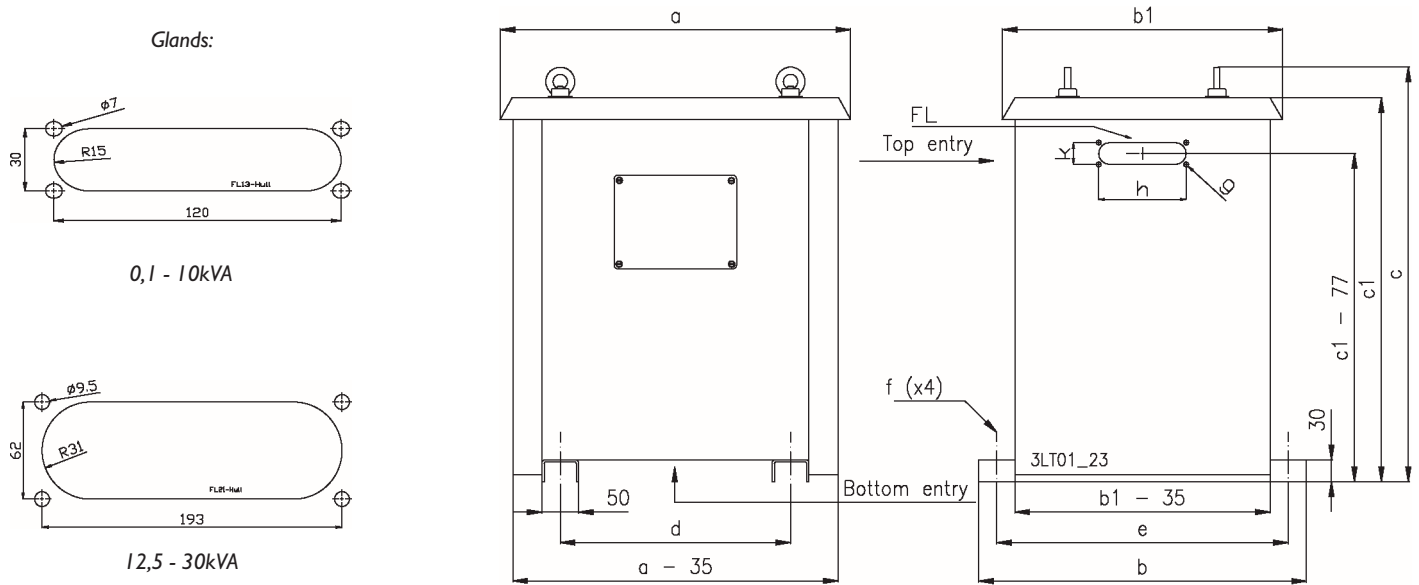


Dimensions



3LT 0.1 - 3LT 0.80

Dimensions



Standard types supplied with covers on top entry cable glands

3LT 1.25 - 3LT 30.0

Standard types 3LT-23

| Power (kVA) | Type | Class | Dimensions (mm) | | | | | | | | Weight (kg) |
|---------------|----------|-------|-----------------|-----|-----|-----|-----|-----|-----|------|-------------|
| | | | a | b | c | b1 | c1 | d | e | f | |
| 3LT-23 | | | | | | | | | | | |
| 0,1 | 3LT 0.10 | B | 240 | 180 | 228 | 170 | 225 | 210 | 140 | 8.0 | 5 |
| 0,15 | 3LT 0.15 | B | 240 | 180 | 228 | 170 | 225 | 210 | 140 | 8.0 | 5,6 |
| 0,25 | 3LT 0.25 | B | 280 | 210 | 248 | 200 | 245 | 250 | 170 | 8.0 | 7,8 |
| 0,4 | 3LT 0.40 | B | 280 | 210 | 248 | 200 | 245 | 250 | 170 | 8.0 | 9,5 |
| 0,5 | 3LT 0.50 | B | 280 | 210 | 248 | 200 | 245 | 250 | 170 | 8.0 | 11,5 |
| 0,63 | 3LT 0.63 | B | 280 | 210 | 248 | 200 | 245 | 250 | 170 | 8.0 | 13 |
| 0,8 | 3LT 0.80 | B | 280 | 210 | 248 | 200 | 245 | 250 | 170 | 8.0 | 14,5 |
| 1,25 | 3LT 1.25 | B | 309 | 290 | 401 | 223 | 362 | 176 | 240 | 12.0 | 21 |
| 2,0 | 3LT 2.00 | B | 309 | 290 | 401 | 223 | 362 | 176 | 240 | 12.0 | 26,5 |
| 2,5 | 3LT 2.50 | B | 343 | 320 | 431 | 253 | 392 | 200 | 270 | 12.0 | 34 |
| 3,0 | 3LT 3.00 | B | 343 | 320 | 431 | 253 | 392 | 200 | 270 | 12.0 | 38 |
| 3,5 | 3LT 3.50 | F | 377 | 350 | 461 | 283 | 422 | 224 | 300 | 12.0 | 39 |
| 4,0 | 3LT 4.00 | F | 377 | 350 | 461 | 283 | 422 | 224 | 300 | 12.0 | 45 |
| 5,0 | 3LT 5.00 | F | 377 | 350 | 461 | 283 | 422 | 224 | 300 | 12.0 | 50 |
| 6,3 | 3LT 6.30 | F | 427 | 400 | 515 | 333 | 467 | 264 | 350 | 15.0 | 63 |
| 8,0 | 3LT 8.00 | F | 427 | 400 | 515 | 333 | 467 | 264 | 350 | 15.0 | 73 |
| 10 | 3LT 10.0 | F | 427 | 400 | 515 | 333 | 467 | 264 | 350 | 15.0 | 83 |
| 12,5 | 3LT 12.5 | F | 481 | 450 | 590 | 383 | 542 | 316 | 400 | 15.0 | 96 |
| 16 | 3LT 16.0 | F | 481 | 450 | 590 | 383 | 542 | 316 | 400 | 15.0 | 122 |
| 20 | 3LT 20.0 | F | 481 | 450 | 590 | 383 | 542 | 316 | 400 | 15.0 | 148 |
| 25 | 3LT 25.0 | F | 599 | 550 | 630 | 480 | 582 | 356 | 500 | 15.0 | 170 |
| 30 | 3LT 30.0 | F | 599 | 550 | 630 | 480 | 582 | 356 | 500 | 15.0 | 212 |

3-phase low voltage 40-2000 kVA, IP23



Type 3LT-23

Capsulated three-phase non short circuit proof transformer with power range up from 40 to 2000 kVA. Designed and tested according to IEC60726/IEC60076. Standard types supplied with separate primary and secondary windings. This generates "a new system" in which any earth faults are eliminated. Steel plate enclosure, degree of protection IP23.

Applications:

This is an ideal design for transforming voltage up or down or for installations which require a galvanic partition between the primary and secondary voltage. Protects installations and equipment by generating "a new system" in which any earth faults are eliminated. E.g. electric motor, compressor, cooling plants, automatic washing machines, and to uphold IT or TN-S systems. Custom designed types with other voltages, frequencies, electrostatic shield between primary and secondary, regulations, tapplings, transport wheels or other features are available on request.

Technical specifications

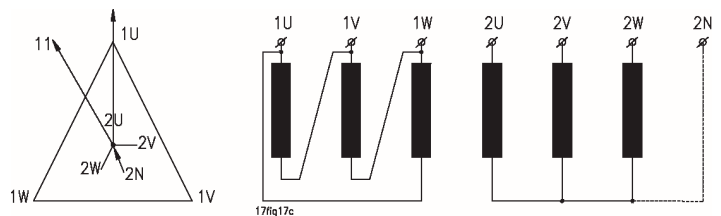
- Input voltage: 3x115 to 3x1000V
- Frequency: 47-63Hz
- Output voltage: 3x115 to 3x1000V
- Vector group: Dyn11 (standard)
Dyn5, Ynd1, Ynd5
- According to: IEC60726/IEC60076
D.N.V.
- Test voltage: 3kV AC RMS
- Construction class: I
- Insulation class: F (155°C) - standard
H (180°C)
- Ambient temp. (t_a): 45°C
- Degree of protection: IP23
- Type of termination: Cu-bars

Supplied with Al-bars for termination from 630 kVA with high currents.



Noratel declare and guarantee that all transformers are designed according to the following standards; IEC60726, IEC60076, D.N.V., EN55014:1993 (EN55014-1:1997), EN61000-3-2:1995, EN61000-3-3:1995, EN55104:1995, (EN55014-2:1997), EN50081-1:1992, EN50082-2:1995 based on the following directives; LVD 2014/35/EU EMC 2014/30/EU, EcoDesign 2009/125/EC

Standard vector group



Accessories

- Cable glands on primary/secondary [CG]
- Wheels for transport [WH]
- Temperature control units with alarm or trip [TC]
- PEN-link [PL]
- Top entry [TE]
- PT100 sensors [PT]
- RTD sensors [RTD]
- PTC sensors [PTC]
- Thermographic windows [TW]

