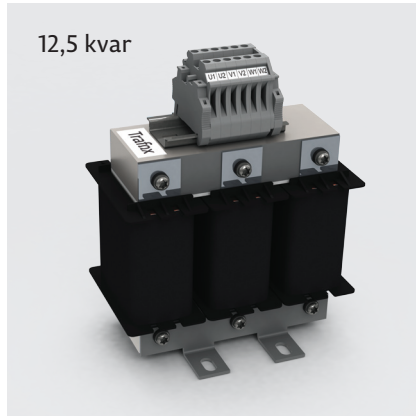


Detuned Reactors

525V SERIES, TYPE 3INPP5,67



REACTOR SERIES FOR HARMONIC FILTERING

- High quality materials
- Design optimised to reduce total losses
- Small mechanical size
- Low noise level due to the glued air gaps

Technical specifications

| | |
|------------------------------|--|
| Standards | IEC60289, IEC60076, VDE 0532, UL/Ur file E202612, RoHs, CE |
| Design | Ironcore multiple airgap, low loss grain oriented steel |
| Tolerance, Inductance | -3/+3% |
| Linearity/% | 1,75 x I _n 95% inductance |
| Insulation level | 4 kVac |
| Temperature class | F 155 °C 6,25-12,5 kvar / H 180 °C 25-75 kvar |
| Cooling | Natural cooling |

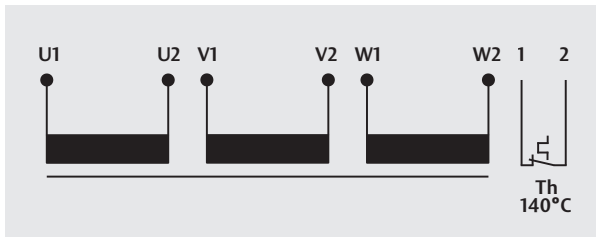
| | |
|----------------------------|--|
| Ambient temperature | - 20 ... +60 °C T60 |
| Protection class | IP00 |
| Installation | Screw fastening |
| Color | Light brown or black |
| Noise level | Max. 50 dB with rated harmonics currents at 1 m distance |

| | |
|-----------------|---|
| Optional | <ul style="list-style-type: none"> • Temperature switch 130-150 °C +-5%, 250 Vac (<6,3A)..500 Vac (<2A) • Stranded wire outputs (flexible cable 110 °C) • Lateral mounting |
|-----------------|---|

Filtering factor f_{res} 210Hz P5,67

| Used for rated capacitors Q/kvar | Net | | L/mH | I ₅₀ /A | I ₁₅₀ /A | I ₂₅₀ /A | I ₃₅₀ /A | I _{rms} /A | Linearity / % | Loss / W | Cu / Al Weight (kg) |
|----------------------------------|-----|------|------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------|----------|---------------------|
| | U/V | f/Hz | | | | | | | | | |
| 6,25 | 525 | 50 | 8,44 | 10,70 | 0,28 | 6,62 | 1,81 | 8,98 | 175 | 49 | Cu 1,75 |
| 12,5 | 525 | 50 | 4,22 | 21,48 | 0,56 | 13,24 | 3,62 | 17,96 | 175 | 88 | Cu 2,77 |
| 25 | 525 | 50 | 2,11 | 42,90 | 1,28 | 26,50 | 7,25 | 36,00 | 175 | 136 | Al 2,82 |
| 50 | 525 | 50 | 1,06 | 85,90 | 2,25 | 53,00 | 14,50 | 69,30 | 175 | 190 | Al 4,46 |
| 75 | 525 | 50 | 0,70 | 108,00 | 3,38 | 79,90 | 21,70 | 108,00 | 175 | 277 | Al 7,60 |
| 100 | 525 | 50 | 0,53 | 5,67 | 4,50 | 105,00 | 29,00 | 143,00 | 175 | 376 | Al 6,25 |

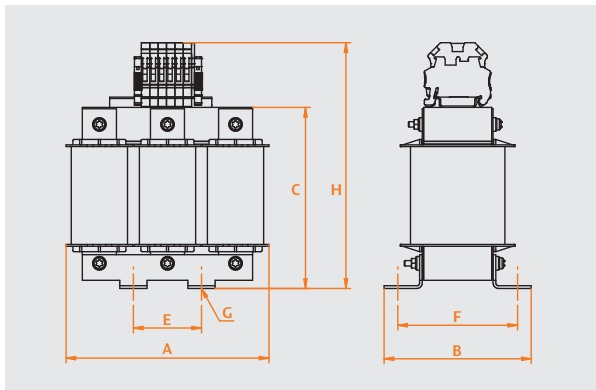
Connection diagram



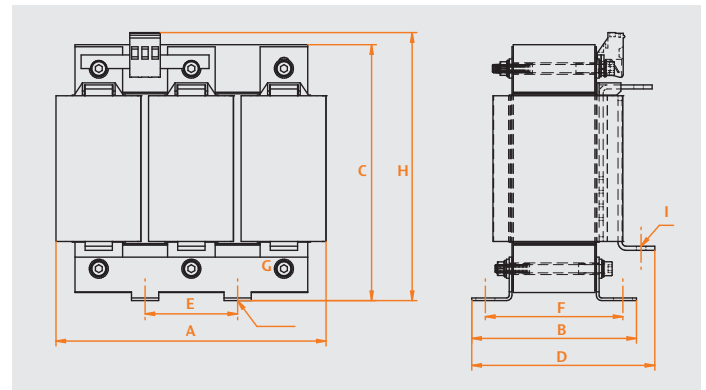
Terminals

| Type | Terminals | Clamp size | Tightening torque / Nm |
|-----------|-----------------|------------|------------------------|
| 6,25-12,5 | Screw terminals | 6 | 2,5 |
| 25 | Busbar | M6 flat | 10 |
| 50 | Busbar | M8 flat | 10 |
| 75-100 | Busbar | M10 flat | 10 |

Mechanical data 6,25 - 12,5 kvar



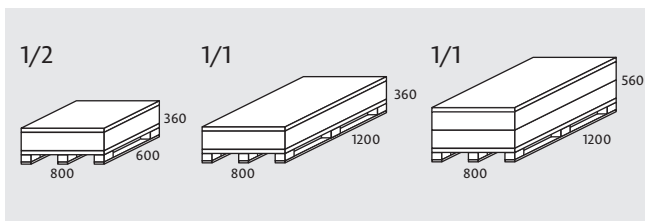
Mechanical data 25-100 kvar



| Without temperature switch | With temperature switch | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | I (ø mm) | kg |
|----------------------------|-------------------------|--------|--------|--------|--------|--------|--------|----------|--------|----------|-------|
| Order code 210Hz | | | | | | | | | | | |
| 3INPP5,67.6,25(525) | 3INPP5,67T.6,25(525) | 125 | 97 | 133 | - | 50 | 77 | 7,5 x 14 | 184 | - | 5,65 |
| 3INPP5,67.12,5(525) | 3INPP5,67T.12,5(525) | 150 | 111 | 160 | - | 60 | 91 | ? | 210 | ? | 9,00 |
| 3INPP5,67.25(525) | 3INPP5,67T.25(525) | 200 | 131 | 188 | 145 | 68 | 111 | 7,5 x 14 | 197 | ? | 18,60 |
| 3INPP5,67.50(525) | 3INPP5,67T.50(525) | 256 | 154 | 232 | 168 | 88 | 134 | 7,5 x 14 | 237 | ? | 29,70 |
| 3INPP5,67.75(525) | 3INPP5,67T.75(525) | 256 | 154 | 292 | 168 | 88 | 134 | 7,5 x 14 | 297 | ? | 38,50 |
| 3INPP5,67.100(525) | 3INPP5,67T.100(525) | 382 | 168 | 322 | ? | ? | ? | 7,5 x 14 | 326 | ? | 55,60 |

Tolerance norm: EN 22768-1 C

Packing details



| Type (189Hz) | pcs / 1/2 pallet | pcs / 1/1 pallet | Height |
|--------------|------------------|------------------|--------|
| 6,25 | 30 | 55 | 360 |
| 12,5 | 20 | 40 | 360 |
| 25 | - | 18 | 360 |
| 50 | - | 14 | 560 |
| 75-100 | - | 10 | 560 |

Muuntosähkö

Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

