

Introduction

Overview

Single-phase transformers



4AM



4AT



4BT



4AX24

4AT for supply
of medical
rooms

4FK



4CH

| Versions | Rated power kVA | Rated input voltage V AC | Rated output voltage V AC | Safety class | Page |
|---|---|--|--|--------------|----------|
| 4AM, 4AT safety, isolating, control and mains transformers | | | | | |
| 4AM safety (mains transformers) and control transformers | | | | | |
| With one input voltage | 0.063 ... 1.0 | 230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 % | 24; 42 | I | 10/4 |
| For European voltages | 0.063 ... 1.0 | 400/230 ± 15 V | 24; 42 | I | 10/4 |
| In multi-voltage version | 0.063 ... 1.0 | 550 ... 208; 600 ... 230 | 24; 42 | I | 10/4 |
| 4AM safety transformers (mains transformers) | | | | | |
| With one input voltage | 0.025 ... 0.04 | 230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 % | 24; 42 | I | 10/4 |
| 4AM, 4AT isolating, control and mains transformers | | | | | |
| 4AM and 4AT with one input voltage | 4AM: 0.063 ... 2.5; 4AT: 4 ... 10 | 230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 % | 110; 2 × 115; 230 | I | 10/4 |
| 4AM and 4AT with one input voltage, without c _{bus} | 4AM: 0.063 ... 2.5; 4AT: 4 ... 10 | 660 ± 5 %; 690 ± 5 % | 230 | I | 10/4 |
| 4AM in European voltage design | 0.063 ... 2.5 | 400/230 ± 15 V | 2 × 115 | I | 10/4 |
| 4AM and 4AT in multi-voltage version | 4AM: 0.063 ... 2.5; 4AT: 4 ... 10 | 550 ... 208; 600 ... 230 | 2 × 115 | I | 10/4 |
| 4AM isolating and mains transformers | | | | | |
| 4AM with one input voltage | 0.025 ... 0.04 | 230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 % | 110; 230 | I | 10/4 |
| 4AM and 4AT with one input voltage, without c _{bus} | 0.025 ... 0.04 | 660 ± 5 %; 690 ± 5 % | 230 | I | 10/4 |
| 4AM, 4AT transformers with selectable voltages | | | | | |
| 4AM and 4AT safety, isolating, control and mains transformers and autotransformers | 4AM: 0.025 ... 2.5; 4AT: 4 ... 16 | Selectable; 4AM: 12 ... 690 ¹⁾ ; 4AT: 24 ... 690 ¹⁾ | Selectable; 4AM: 12 ... 690 ¹⁾ ; 4AT: 24 ... 690 ¹⁾ | I | 10/4 |
| 4BT power transformers | | | | | |
| 4BT transformers with selectable voltages | 18 ... 250 | Selectable; 100 ... 1000 ¹⁾ | Selectable; 100 ... 1000 ¹⁾ | I | 10/14 |
| 4AX22, 4AX23 safety transformers | | | | | |
| Resin-enclosed | 0.1 ... 1 | 230 | 24; 42 | II | 10/17 |
| 4AX24 isolating transformers | | | | | |
| Resin-enclosed | 0.16 ... 2.5 | 230 | 230 | II | 10/18 |
| 4AT isolating transformers | | | | | |
| For supply of medical premises | 2.5 ... 8 | 230 | 230-115 | I | 10/19 |
| 4FL, 4FK voltage regulators | | | | | |
| 4FL transformer-type | 2.2 ... 63 | 230 | 230 | I | 10/20 |
| 4FK magnetic-type | 0.12 ... 0.75 1 ... 2.5 3.15 ... 10 | 230/selectable 110 ... 500 230/selectable 110 ... 500 400/selectable 110 ... 500 | 230/selectable 110 ... 500 230/selectable 110 ... 500 230/selectable 110 ... 500 | I | 10/21 |
| 4CH, 4CP variable-ratio transformers | | | | | |
| 4CH toroidal-core variable-ratio transformers | 0.28 ... 3.22 0.69 ... 3.22 | 400 230 | 0 ... 230 stepless 0 ... 230 stepless | I | 2) 2) |
| 4CP pillar-type variable-ratio transformers | 13.8 ... 207 | 400 | 0 ... 400 stepless | I | 2) |

¹⁾ c_{bus} max. 600 V.

²⁾ For more information see the interactive catalog CA 01 and A&D Mall.

Three-phase transformers

| Versions | Rated power kVA | Rated input voltage V AC | Rated output voltage V AC | Safety class | Page |
|---|--------------------------------------|---|---|--------------|-------|
| 4AP, 4AU safety, isolating, control and mains transformers | | | | | |
| 4AP, 4AU isolating, control and mains transformers | | | | | |
| 4AP and 4AU in two-voltage version | 0.63 ... 16 | Y 500-400 /Δ 289-230 | Y 400/Δ 230 | I | 10/31 |
| 4AP and 4AU in multi-voltage version | 0.63 ... 16 | Y 520 ... 360 /Δ 300 ... 208 | Y 400/Δ 230 | I | 10/31 |
| 4AP isolating and mains transformers | | | | | |
| In two-voltage version | 0.16 ... 0.4 | Y 500-400 /Δ 289-230 | Y 400/Δ 230 | I | 10/31 |
| 4AP, 4AU transformers with selectable voltages | | | | | |
| 4AP and 4AU safety, isolating, control and mains transformers and autotransformers | 4AP: 0.16 ... 5; 4AU: 6.3 ... 16 | Selectable; 4AP: 12 ... 690 ¹⁾ ; 4AU: 24 ... 690 ¹⁾ | Selectable; 4AP: 12 ... 690 ¹⁾ ; 4AU: 24 ... 690 ¹⁾ | I | 10/31 |
| 4BU power transformers | | | | | |
| 4BU matching transformers With one input voltage | 18 ... 180 ²⁾ | Δ 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %/ Y 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 % | Y 208, 400 | I | 10/38 |
| 4BU matching transformers With c _{UL} us approval With one input voltage | 18 ... 180 ²⁾ | Δ 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %/ Y 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 % | Y 208, 400 | I | 10/38 |
| 4BU transformers With selectable voltages | 18 ... 400 | Selectable 100 ... 1000 ¹⁾ | Selectable 100 ... 1000 ¹⁾ | I | 10/38 |
| 4AP, 4AU autotransformers | | | | | |
| For matching purposes to EN 61558-2-13 | 4AP: 5 ... 22.5; 4AU: 12.5 ... 50 | 4AP, 4AU: 480 ... 380 4AP, 4AU: 480 ... 400 (380) ³⁾ | 4AP, 4AU: 400 4AP, 4AU: 230 (220) ³⁾ | I | 10/42 |
| 4FL voltage regulators | | | | | |
| 4FL transformer-type | 6.8 ... 190 | 400 | 400 | I | 10/43 |
| 4CJ, 4CQ variable-ratio transformers | | | | | |
| 4CJ toroidal-core variable-ratio transformers | 2.07 ... 9.66 | 400 | 0 ... 400 stepless | I | 4) |
| 4CQ pillar-type variable-ratio transformers | 16 ... 240 | 400 | 0 ... 400 stepless | I | 4) |

1) c_{UL}us max. 600 V.

2) For other ratings up to 400 kVA see the interactive catalog CA 01 and A&D Mall.

3) Operating with 3 AC 380 V at the input terminals results in an output voltage of 3 AC 220 V.

4) For more information see the interactive catalog CA 01 and A&D Mall.