

# Control, safety and circuit isolation transformers

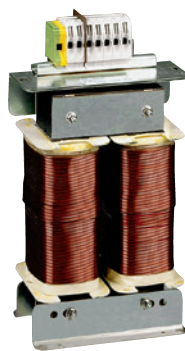
single-phase



0 442 14



0 442 68



0 442 71

Technical characteristics **p. 329**  
Protection **see e-catalogue**

IP 2X or XXB up to 400 VA (coupling strip not mounted) - IP XXA over 400 VA - IK 04

Conform to IEC EN 61558-2-2 and 2-4 or 2-6, UL506 and CSA C22-2-No 66

UL USA and Canada agreements. Products suitable for building equipment conforming to standards EN 61131-2, EN 60204-1 and EN 60439-1

Active parts protected by cover up to 1000 VA. Interference filtering (except Cat.Nos 0 442 16/17/18)

Direct fixing possibility on symmetrical rail up to 250 VA. Supplied with coupling strip 0 V secondary / earth up to 1000 VA (except spring connection range)

## Control and safety - screw connection

| Pack | Cat.Nos  | Control and safety - screw connection                                                                                        |                                |                                                     |
|------|----------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|
|      |          | <b>Input voltage = 230 V-400 V <math>\pm</math> 15 V</b><br><b>Output voltage = 24 V</b>                                     |                                |                                                     |
|      |          | Power in VA<br>according to IEC and CSA                                                                                      | Power in VA<br>according to UL | Instantaneous admissible power at $\cos \phi = 0.5$ |
| 1    | 0 442 11 | 40                                                                                                                           | 40                             | 50                                                  |
| 1    | 0 442 12 | 63                                                                                                                           | 63                             | 88                                                  |
| 1    | 0 442 13 | 100                                                                                                                          | 100                            | 170                                                 |
| 1    | 0 442 14 | 160                                                                                                                          | 140                            | 250                                                 |
| 1    | 0 442 15 | 250                                                                                                                          | 210                            | 420                                                 |
| 1    | 0 442 16 | 400                                                                                                                          | 300                            | 850                                                 |
| 1    | 0 442 17 | 630                                                                                                                          | 500                            | 1500                                                |
| 1    | 0 442 18 | 1000                                                                                                                         | 700                            | 2000                                                |
|      |          | <b>Input voltage = 460 V <math>\pm</math> 20 V</b><br><b>Output voltage = 24 V</b>                                           |                                |                                                     |
| 1    | 0 442 41 | 40                                                                                                                           | 40                             | 55                                                  |
| 1    | 0 442 42 | 63                                                                                                                           | 63                             | 90                                                  |
| 1    | 0 442 43 | 100                                                                                                                          | 100                            | 150                                                 |
| 1    | 0 442 44 | 160                                                                                                                          | 140                            | 270                                                 |
| 1    | 0 442 45 | 250                                                                                                                          | 210                            | 420                                                 |
| 1    | 0 442 46 | 400                                                                                                                          | 300                            | 980                                                 |
| 1    | 0 442 47 | 630                                                                                                                          | 450                            | 1000                                                |
| 1    | 0 442 48 | 1000                                                                                                                         | 700                            | 2000                                                |
| 1    | 0 442 49 | 1600                                                                                                                         | 700                            | 9100                                                |
| 1    | 0 442 50 | 2500                                                                                                                         | 1400                           | 3300                                                |
|      |          | <b>Input voltage = 230-400 V <math>\pm</math> 15 V</b><br><b>Output voltage = 24-48 V</b><br>Supplied with 2 coupling strips |                                |                                                     |
| 1    | 0 442 31 | 40                                                                                                                           | 40                             | 52                                                  |
| 1    | 0 442 32 | 63                                                                                                                           | 63                             | 87                                                  |
| 1    | 0 442 33 | 100                                                                                                                          | 100                            | 150                                                 |
| 1    | 0 442 34 | 160                                                                                                                          | 140                            | 250                                                 |
| 1    | 0 442 35 | 250                                                                                                                          | 210                            | 420                                                 |
| 1    | 0 442 36 | 400                                                                                                                          | 300                            | 700                                                 |
| 1    | 0 442 37 | 630                                                                                                                          | 500                            | 1700                                                |
| 1    | 0 442 38 | 1000                                                                                                                         | 700                            | 2000                                                |
| 1    | 0 442 39 | 1600                                                                                                                         | 700                            | 8500                                                |
| 1    | 0 442 40 | 2500                                                                                                                         | 1400                           | 3300                                                |

## Control and safety - spring connection

| Pack | Cat.Nos  | Control and safety - spring connection                                                 |                                |                                                     |
|------|----------|----------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|
|      |          | <b>Input voltage = 230-400 V <math>\pm</math> 15 V</b><br><b>Output voltage = 24 V</b> |                                |                                                     |
|      |          | Power in VA<br>according to IEC and CSA                                                | Power in VA<br>according to UL | Instantaneous admissible power at $\cos \phi = 0.5$ |
| 1    | 0 442 01 | 40                                                                                     | 40                             | 50                                                  |
| 1    | 0 442 02 | 63                                                                                     | 63                             | 88                                                  |
| 1    | 0 442 03 | 100                                                                                    | 100                            | 170                                                 |
| 1    | 0 442 04 | 160                                                                                    | 140                            | 250                                                 |
| 1    | 0 442 05 | 250                                                                                    | 210                            | 420                                                 |
| 1    | 0 442 06 | 400                                                                                    | 300                            | 850                                                 |

## Control and circuit isolation- screw connection

| Pack | Cat.Nos  | Control and circuit isolation- screw connection                                                                                |                                |                                                     |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|
|      |          | <b>Input voltage = 230-400 V <math>\pm</math> 15 V</b><br><b>Output voltage = 115-230 V</b><br>Supplied with 2 coupling strips |                                |                                                     |
|      |          | Power in VA<br>according to IEC and CSA                                                                                        | Power in VA<br>according to UL | Instantaneous admissible power at $\cos \phi = 0.5$ |
| 1    | 0 442 61 | 40                                                                                                                             | 40                             | 50                                                  |
| 1    | 0 442 62 | 63                                                                                                                             | 63                             | 86                                                  |
| 1    | 0 442 63 | 100                                                                                                                            | 100                            | 150                                                 |
| 1    | 0 442 64 | 160                                                                                                                            | 140                            | 250                                                 |
| 1    | 0 442 65 | 250                                                                                                                            | 210                            | 430                                                 |
| 1    | 0 442 66 | 400                                                                                                                            | 300                            | 1100                                                |
| 1    | 0 442 67 | 630                                                                                                                            | 500                            | 1600                                                |
| 1    | 0 442 68 | 1000                                                                                                                           | 700                            | 2000                                                |
| 1    | 0 442 69 | 1600                                                                                                                           | 700                            | 6100                                                |
| 1    | 0 442 70 | 2500                                                                                                                           | 1300                           | 7100                                                |
| 1    | 0 442 71 | 4000                                                                                                                           | 2400                           | 11400                                               |
| 1    | 0 442 72 | 5000                                                                                                                           | 3300                           | 17500                                               |
| 1    | 0 442 73 | 6300                                                                                                                           | 3700                           | 16000                                               |
| 1    | 0 442 74 | 8000                                                                                                                           | 4500                           | 32100                                               |
|      |          | <b>Input voltage = 460 V <math>\pm</math> 20 V</b><br><b>Output voltage = 115-230 V</b><br>Supplied with 2 coupling strips     |                                |                                                     |
|      |          | Power in VA<br>according to IEC and CSA                                                                                        | Power in VA<br>according to UL | Instantaneous admissible power at $\cos \phi = 0.5$ |
| 1    | 0 442 81 | 40                                                                                                                             | 40                             | 50                                                  |
| 1    | 0 442 82 | 63                                                                                                                             | 63                             | 86                                                  |
| 1    | 0 442 83 | 100                                                                                                                            | 100                            | 150                                                 |
| 1    | 0 442 84 | 160                                                                                                                            | 140                            | 250                                                 |
| 1    | 0 442 85 | 250                                                                                                                            | 210                            | 430                                                 |
| 1    | 0 442 86 | 400                                                                                                                            | 300                            | 1100                                                |
| 1    | 0 442 87 | 630                                                                                                                            | 500                            | 1600                                                |
| 1    | 0 442 88 | 1000                                                                                                                           | 700                            | 2000                                                |
| 1    | 0 442 89 | 1600                                                                                                                           | 700                            | 6100                                                |
| 1    | 0 442 90 | 2500                                                                                                                           | 1300                           | 7100                                                |
| 1    | 0 442 91 | 4000                                                                                                                           | 2400                           | 11400                                               |

## Control and circuit isolation - spring connection

| Pack | Cat.Nos  | Control and circuit isolation - spring connection                                   |                                |                                                     |
|------|----------|-------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|
|      |          | <b>Input voltage = 230 V <math>\pm</math> 15 V</b><br><b>Output voltage = 230 V</b> |                                |                                                     |
|      |          | Power in VA<br>according to IEC and CSA                                             | Power in VA<br>according to UL | Instantaneous admissible power at $\cos \phi = 0.5$ |
| 1    | 0 442 51 | 40                                                                                  | 40                             | 50                                                  |
| 1    | 0 442 52 | 63                                                                                  | 63                             | 86                                                  |
| 1    | 0 442 53 | 100                                                                                 | 100                            | 150                                                 |
| 1    | 0 442 54 | 160                                                                                 | 140                            | 250                                                 |
| 1    | 0 442 55 | 250                                                                                 | 210                            | 360                                                 |
| 1    | 0 442 56 | 400                                                                                 | 300                            | 1100                                                |