



# Single-phase switch power packs

Single-phase safety transformers comp. VDE 0570 part 2-6, EN 61558-2-6

Noise transmission EN 55011 class B (industry), EN 55022 class B (Telecom)

RSNT 5 – 15S regulated

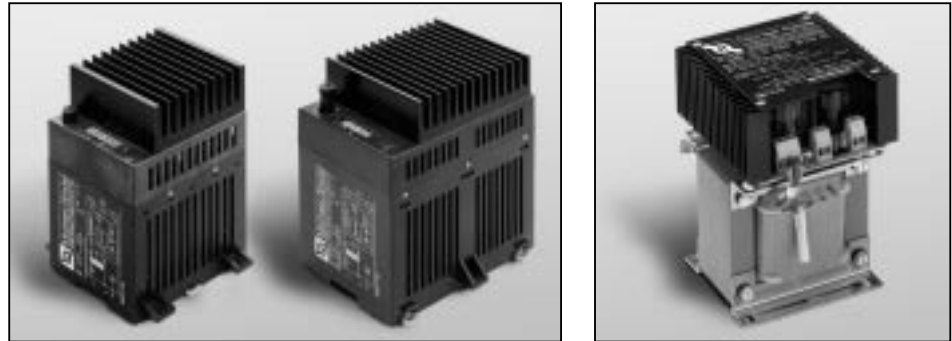


Our secondary switched power packs feature high stability and long service life. The patented switching concept ensures an extremely low interference level and therefore does not require any filtering or shielding whatsoever. The interference level distinctly remains below the permissible limits EN 55011 class B.. Consequently series RSNT excellently suits laboratory use also.

An internal electronic fuse ensures that the units always operate within safe operating range (SOA protection).

**RSNT...S design:** fully enclosed construction provides comprehensive protection against accidental contact; various primary voltages up to max. AC 400 V available at a surcharge.

**RSNT version:** Partially enclosed construction with sturdy mounting brackets; various primary voltages up to max. AC 690 V available at a surcharge.



| Technical data for model                    |                    | RSNT 10S  | RSNT 15S                                  | RSNT 5  | RSNT 10                        | RSNT 15                        |
|---|--------------------|---|---|---|--------------------------------|--------------------------------|
| <b>Input</b>                                |                    |   |   |   |                                |                                |
| Mains input voltage                         |                    | AC 230 V <b>or</b> AC 400V  |   | AC 230V <b>and</b> AC 400V  |                                |                                |
| Mains input voltage range                   |                    | + 15 % to - 15 %  |   |   |                                |                                |
| Frequency                                   |                    | 50 Hz/60 Hz   |   |   |                                |                                |
| Input fuses                                 | AC 230V<br>AC 400V | 5 x 20 mm<br>4,0 A time lag<br>external                                     | 6,3 x 32 mm<br>6,3 A time lag<br>external | external<br>4,0 Agl<br>2,0 Agl  | external<br>4,0 Agl<br>2,0 Agl | external<br>6,0 Agl<br>4,0 Agl |
| <b>Output</b>                               |                    |   |   |   |                                |                                |
| Output voltage                              |                    | DC 24 V stabilized, twin terminals,<br>adjustable 0...DC30V                 |   | DC 24 V stabilized, twin terminals,<br>adjustable 5...DC28V                     |                                |                                |
| Status display                              |                    | green / yellow LED (U / I)  |   | green LED: constant voltage / red LED: error                                    |                                |                                |
| Adjustable output current                   |                    | 0...10 A  | 0...15 A                                  | 1...5 A   | 2...10 A                       | 3...15 A                       |
| Residual ripple                             |                    | < 30 mV RMS   |   |   |                                |                                |
| Short-circuit proofing                      |                    | constant current operation  |   | constant current operation / off after 3 s,<br>switch back on with Reset-button |                                |                                |
| Load stabilization dynamic                  |                    | < 100 mVss / 500us,   |   | < 300 mVss / 500us,   |                                |                                |
| Stability under constant conditions         |                    | < 0,05 %  |   | < 0,1 %   |                                |                                |
| Mains stabilization                         |                    | < 0,05 %  |   |   |                                |                                |
| Overtemperature protection                  |                    | thermal switch-off when unit > 85°C   |   |   |                                |                                |
| Suppression grade                           |                    | EN 55011 Klasse B   |   |   |                                |                                |
| Ambient temperature                         |                    | -10... +40°C  |   |   |                                |                                |
| <b>General data</b>                         |                    |   |   |   |                                |                                |
| Transformer test voltage                    |                    | between input and output circuit comp. to regulations (safety transformers) |   |   |                                |                                |
| Directives                                  |                    | VDE 0570 part 2-6, EN 61558-2-6, EN 61000-3-2, EN 61131-2/part 2            |   |   |                                |                                |
| CE-mark                                     |                    | yes   |   |   |                                |                                |
| Installation orientation                    |                    | vertical<br>on EN 50022 rail  |   | any position  |                                |                                |
| Type of connection                          |                    | screw-type terminal, finger-safe comp. to VBG4                              |   |   |                                |                                |
| Connection data                             |                    | fine strand max. 2,5 mm <sup>2</sup>  |   | fine strand max. 4 mm <sup>2</sup>  |                                |                                |
| Mounting                                    |                    | on mounting rail,<br>screw-fasten in addition                               |   | mounting brackets   |                                |                                |
| Protection rating comp. VDE 0470 / EN 60529 |                    | IP 20   |   | IP 00   |                                |                                |
| Safety class comp. IEC 536 / VDE 0106 T1    |                    | I   |   |   |                                |                                |
| Insulation class                            |                    | E   |   |   |                                |                                |
| Dimensions in mm approx. (L x W x D)        |                    | 134 x 125 x 180   | 157 x 175 x 197                           | 125 x 132 x 150   | 170 x 170 x 175                | 190 x 180 x 190                |
| Mounting template in mm, approx.            |                    | 87 x 120  | 130 x 154 x 154                           | 84 x 71   | 90 x 84                        | 104 x 97                       |
| Article no.                                 | AC 230V<br>AC 400V | 0219-00000010S<br>0319-00000010S  | 0219-00000015S<br>0319-00000015S          | valid for both primary voltages<br>24-230-SNT-01 24-230-SNT-02 24-230-SNT-03    |                                |                                |
| Copper weight in kg                         |                    | 0,75  | 1,2                                       | 0,6   | 1,2                            | 1,4                            |
| Total weight in kg                          |                    | 5,0   | 9,2                                       | 5,5   | 6,5                            | 7,5                            |
| <b>Options</b>                              |                    |   |   |   |                                |                                |
| Remote control 0 - 10V                      |                    | for U / I   | for U / I                                 | -   | -                              | for U                          |
| Remote control 4mA - 20mA                   |                    | for U / I   | for U / I                                 | -   | -                              | -                              |
| Switch-off input                            |                    | yes   | yes                                       | -   | -                              | yes                            |
| Signal contact "Ready"                      |                    | yes   | yes                                       | -   | -                              | yes                            |

Subject to technical modifications

Standard stock items