




## Product information RPS90/48V HV

Industrial Ethernet: System Accessories: Power supply: RPS90/48V HV

<http://e-catalog.hirschmann.com/link/57078-24455-24544-24545-40993/en/conf/uistate>

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Name                                       | RPS90/48V HV                                                                                  |
|                                            |              |
|                                            | 48 V DC rail power supply unit                                                                |
| <b>Delivery informations</b>               |                                                                                               |
| Availability                               | available                                                                                     |
| <b>Product description</b>                 |                                                                                               |
| Description                                | 48 V DC rail power supply unit                                                                |
| Type                                       | RPS90/48V HV                                                                                  |
| Order No.                                  | 943 979-001                                                                                   |
| <b>More Interfaces</b>                     |                                                                                               |
| Voltage input                              | 1 terminal block, 3-pin                                                                       |
| Voltage output                             | 1 terminal block, 4-pin                                                                       |
| <b>Power requirements</b>                  |                                                                                               |
| Operating voltage                          | 60 / 120 / 250 V DC (48-320 V) und 110 / 230 V AC                                             |
| <b>Input data</b>                          |                                                                                               |
| 230 V                                      | 100-240 V AC; 50-60 Hz oder<br>85 bis 264 V AC; 47-63 Hz (DC 100-375 V)                       |
| <b>Current consumption</b>                 |                                                                                               |
| 230 V                                      | 60 V DC (1.7 A), 250 V DC (0.4 A), 110 V AC (1.0 A), 230 V AC (0.5 A)                         |
| Activation current                         | N/A                                                                                           |
| <b>Output data</b>                         |                                                                                               |
| Output voltage                             | 48 - 54 V DC (typ. 48 V); externally adjustable                                               |
| <b>Output current</b>                      |                                                                                               |
| 230 V                                      | 1.9 A static at 48 V nominal                                                                  |
| <b>Service</b>                             |                                                                                               |
| Diagnostics                                | LED (green)                                                                                   |
| <b>Redundancy</b>                          |                                                                                               |
| Redundancy functions                       | redundant power supply                                                                        |
| <b>Ambient conditions</b>                  |                                                                                               |
| Operating temperature                      | -40 °C bis +50 °C                                                                             |
| Storage/transport temperature              | -40 °C bis +85 °C                                                                             |
| Relative humidity (non-condensing)         | max. 95 % without condensation                                                                |
| MTBF                                       | N/A                                                                                           |
| <b>Mechanical construction</b>             |                                                                                               |
| Dimensions (W x H x D)                     | 60 mm x 137 mm x 115 mm                                                                       |
| Mounting                                   | DIN Rail                                                                                      |
| Weight                                     | 740 g                                                                                         |
| Protection class                           | IP 30                                                                                         |
| <b>EMC interference immunity</b>           |                                                                                               |
| EN 50082-1                                 | EN 61000-6-1                                                                                  |
| EN 50082-2                                 | EN 61000-6-2 (including EN 55024), EN 61850-3, IEEE 1613, EN 50121-4, 50121-3-2, GL (pending) |
| <b>EMC emitted immunity</b>                |                                                                                               |
| EN 50081-1                                 | 61000-6-3                                                                                     |
| EN 50081-2                                 | 61000-6-4, EN 55011, EN 55022 Klasse A, GL (pedning), Netzrückwirkungen gemäß EN 61000-3-2    |
| <b>Approvals</b>                           |                                                                                               |
| Safety of industrial control equipment     | cUL 508 (pending)                                                                             |
| Safety of information technology equipment | cUL 60950-1 (pending)                                                                         |



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|                                          |                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Shipbuilding</b>                      | Germanischer Lloyd, ABS                                                                                   |
| <b>Substation</b>                        | IEC 61850-3, IEEE 1613                                                                                    |
| <b>Scope of delivery and accessories</b> |                                                                                                           |
| <b>Scope of delivery</b>                 | Rail Power Supply, Description and operating manual, 1 x terminal block, 3-pin, 1 x terminal block, 4-pin |

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