



AS-i Power 5A 120 V/230 V AC AS-Interface power supply unit, IP20 IN: 120 V / 230 V AC OUT: AS-i, 5 A (30 V DC), IP20 with integrated ground fault detection, with integrated overload detection with AS-i data decoupling

| General technical data                                                   |    |                                                                                                                   |
|--------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------|
| Type of device                                                           |    | AS-Interface power supply unit IP20                                                                               |
| version                                                                  |    | single output                                                                                                     |
| Additional function                                                      |    | integrated ground-fault detection, remote reset and remote indication                                             |
| input voltage nominal value AC                                           |    |                                                                                                                   |
| • range 1                                                                | V  | 120                                                                                                               |
| • range 2                                                                | V  | 230                                                                                                               |
| Inputs                                                                   |    |                                                                                                                   |
| input recommended circuit breaker (IEC 898) in the main supply line      |    | 6 A, characteristic C                                                                                             |
| input voltage range                                                      |    |                                                                                                                   |
| • voltage range 1 AC                                                     | V  | 85 ... 132                                                                                                        |
| • voltage range 2 AC                                                     | V  | 176 ... 253                                                                                                       |
| input                                                                    |    |                                                                                                                   |
| • Mains buffering time at I <sub>a</sub> rated min                       |    | 20 ms                                                                                                             |
| • line frequency                                                         |    | 50/60 Hz                                                                                                          |
| • Mains frequency range                                                  | Hz | 47 ... 63                                                                                                         |
| • range changeover using                                                 |    | Changeover switch on device                                                                                       |
| • input voltage built-in                                                 |    | T 3.15 (not accessible)                                                                                           |
| Connections input                                                        |    | spring-loaded terminal connection input (0.2 ... 2.5 mm <sup>2</sup> )/diagnosis (0.14 ... 1.5 mm <sup>2</sup> )  |
| Outputs                                                                  |    |                                                                                                                   |
| output                                                                   |    |                                                                                                                   |
| • DC-voltage controlled floating according to AS-Interface specification |    | yes                                                                                                               |
| • voltage rated value U <sub>a</sub> rated DC                            |    | 30 V                                                                                                              |
| • tolerance total DC                                                     | V  | 29.5 ... 31.6                                                                                                     |
| • rated current I <sub>a</sub> rated                                     |    | 5 A                                                                                                               |
| • residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max             | mV | 300                                                                                                               |
| • spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max                    | mV | 50                                                                                                                |
| Connections Output                                                       |    | spring-loaded terminal connection output (0.2 ... 2.5 mm <sup>2</sup> )/diagnosis (0.14 ... 1.5 mm <sup>2</sup> ) |
| Efficiency/ heat loss                                                    |    |                                                                                                                   |
| Efficiency at U <sub>a</sub> rated, I <sub>a</sub> rated                 | %  | 87                                                                                                                |
| power loss [W] maximum                                                   | W  | 25.2                                                                                                              |
| Protective and monitoring functions                                      |    |                                                                                                                   |
| Output overvoltage protection                                            |    | yes (< 35V)                                                                                                       |
| Current limitation from min.                                             |    | 5.5 A                                                                                                             |
| Short-circuit protection                                                 |    | yes                                                                                                               |
| Safety related data                                                      |    |                                                                                                                   |

|                                                                                                       |          |                                                                                                      |
|-------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------|
| protection class ( EN 60 950/IEC 950 )                                                                |          | I                                                                                                    |
| Electrical isolation primary/secondary                                                                |          | ES1 according EN 62368-1 (for products until end of 2020: SELV according to EN 60 950 and EN 50 178) |
| protection class IP                                                                                   |          | IP20                                                                                                 |
| <b>Electromagnetic compatibility</b>                                                                  |          |                                                                                                      |
| electromagnetic compatibility (EMC)                                                                   |          |                                                                                                      |
| <ul style="list-style-type: none"> <li>interference immunity</li> <li>emitted interference</li> </ul> |          | EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11<br>class B according to EN 55 022, IEC 61 000-6-3          |
| <b>Ambient conditions</b>                                                                             |          |                                                                                                      |
| ambient temperature                                                                                   |          |                                                                                                      |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>            | °C<br>°C | -10 ... +70<br>-25 ... +80                                                                           |
| humidity rating                                                                                       |          | climatic class DIN 50010, relative humidity max. 100% without condensation                           |
| fastening method                                                                                      |          | fixing on standard mounting rail DIN EN 59 022-35 x 7.5 mm snap-on                                   |
| width                                                                                                 | mm       | 70                                                                                                   |
| height                                                                                                | mm       | 125                                                                                                  |
| depth                                                                                                 | mm       | 125                                                                                                  |
| <b>Environmental footprint</b>                                                                        |          |                                                                                                      |
| Global Warming Potential [CO2 eq] total                                                               | kg       | 785                                                                                                  |
| Global Warming Potential [CO2 eq] during manufacturing                                                | kg       | 20.7                                                                                                 |
| global warming potential [CO2 eq] during sales                                                        | kg       | 0.127                                                                                                |
| Global Warming Potential [CO2 eq] during operation                                                    | kg       | 763                                                                                                  |
| Global Warming Potential [CO2 eq] after end of life                                                   | kg       | 0.565                                                                                                |
| <b>Certificates/ approvals</b>                                                                        |          |                                                                                                      |
| <b>General Product Approval</b>                                                                       |          |                                                                                                      |



[Confirmation](#)



| EMV | Marine / Shipping | other |
|-----|-------------------|-------|
|-----|-------------------|-------|



[KC](#)



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[Miscellaneous](#)

| Environment | Industrial Communication |
|-------------|--------------------------|
|-------------|--------------------------|



[Environmental Confirmations](#)



#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9502-0BA00>

Cax online generator

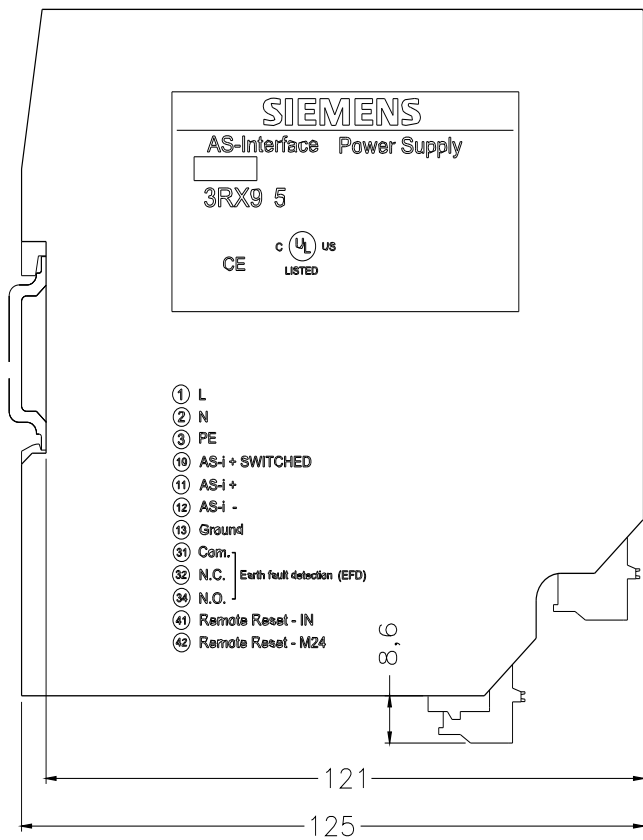
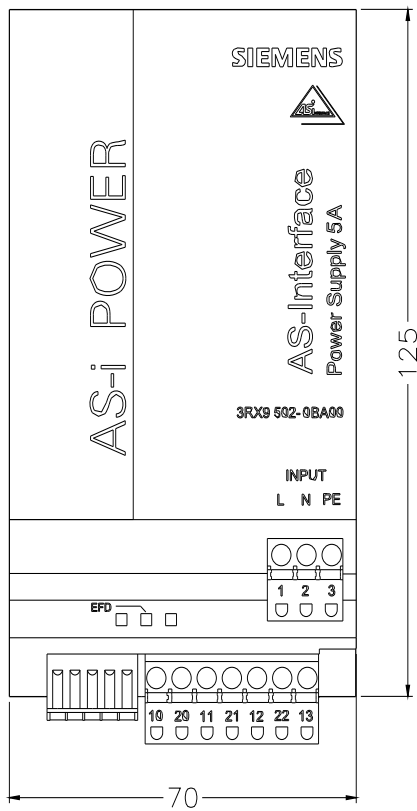
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9502-0BA00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9502-0BA00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RX9502-0BA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9502-0BA00&lang=en)



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