



## Environmental Product Declaration

|  |  |                                   |                     |        |  |
|--|--|-----------------------------------|---------------------|--------|--|
| <b>Product</b>                                   | Type of equipment / Product No.  | FG2020-DZ<br>S54400-S132-A1       |                     |        |  |
|  | Designation  | Gateway                           |                     |        |  |
|  | Product line   | FS20                              |                     |        |  |
| <b>Process control</b>                           | Siemens Schweiz AG<br>Building Technologies Division<br>Gubelstrasse 22<br>6301 Zug - CH   |                                   |                     |        |  |
|  | Management System  | since                             | by                  |        |  |
|  | ISO 14001 (Environment)  | 06.12.2002                        | Gerling Cert        |        |  |
|  | ISO 9001 (Quality)   | 06.11.1989                        | SQS / VdS           |        |  |
| <b>Environmentally compatible product design</b> | Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens Standard SN 36350 "Environmentally compatible products". |                                   |                     |        |  |
| <b>Product use</b>                               | Typical energy consumption   | 176kWh/a                          |                     |        |  |
|  | Maintenance  | Not necessary                     |                     |        |  |
| <b>Packaging</b>                                 | 20-PAP Corrugated fiber board  | Package housing                   | 1'790g              |        |  |
|  | 20-PAP Corrugated fiber board  | Folding box                       | 27g                 |        |  |
|  | 20-PAP Corrugated fiber board  | Package Operation add-ons         | 770g                |        |  |
|  | PE   | Platics packaging                 | 100g                |        |  |
|  | Polyester, Aluminium, Polyethylene   | Shielding bag                     | 2g                  |        |  |
|  | PE   | Plastic bags                      | 14g                 |        |  |
|  | PU-Foam  | Foam                              | 6g                  |        |  |
| <b>Materials</b>                                 | Total weight of device   | 20'448g                           |                     |        |  |
|  | The total weight of a device may deviate from the total of the weights of all individual components due to rounding.   |                                   |                     |        |  |
| Plastics   | PES  | Design foils to FCM2005           | 90g                 |        |  |
|  | ABS / PC   | Cover caps                        | 1'280g              |        |  |
|  | PVC rigid; halogenated   | Flat cable mountings              | 11g                 |        |  |
|  | PA   | Nylon plugs                       | 8g                  |        |  |
|  | EPDM   | Pole protective caps              | 27g                 |        |  |
|  | CR   | Edge protection (accessoires-kit) | 48g                 |        |  |
|  | PVC soft; halogenated  | Edge protection profile           | 5g                  |        |  |
|  | Metals   | Steel; zinc plated                | Supports to FCM2005 | 2'180g |  |
|  |  | Steel; zinc plated                | Mounting plate      | 1'600g |  |
|  |  | Cu                                | Neutral busbar      | 26g    |  |
| Steel; zinc plated                               |  | Shielding plate                   | 605g                |        |  |
| Steel; zinc plated                               |  | Shielding caps                    | 275g                |        |  |
| Steel; zinc plated                               |  | TS35 Hat mounting rails           | 264g                |        |  |
| Steel; Zn galvanized, power-coated               |  | FHA2005-A1 Rear                   | 11'820g             |        |  |
| Steel; zinc plated                               |  | Screws and bolts                  | 98g                 |        |  |
| Others   | PBT GF, Be/Cu, PVC   | Ribbon cable                      | 35g                 |        |  |
|  |  | SV 24V-150W Power Supply          | 1'150g              |        |  |

|   |                            |                                       |      |
|---|----------------------------|---------------------------------------|------|
|   | PA, PBT, PVC, Cu-Alloy, Zn | Cable kits                            | 150g |
|   | PA6.6, Cu, CrNi            | Disconnection terminal 2.5mm2         | 13g  |
|   | PA6.6, Cu, CrNi            | Terminal 2.5mm2                       | 8g   |
|   | PA6.6, Cu, CrNi            | Protective terminal 2.5mm2            | 8g   |
|   | PA                         | Cover plate orange                    | 4g   |
|   | PA6.6, Cu, CrNi            | Final cramps                          | 8g   |
| PCBAs (Printed Circuit Board assembled) | FR4; TBBA; solder SnAgCu   | FCA2006-A1 Connectionmod. (card cage) | 15g  |
|   | FR4; solder SnAgCu         | PCB assy. to Card cage FCC2003        | 384g |
|   | FR4; solder SnAgCu         | PCB progr. FCC2004-A1 CPU card        | 168g |
|   | FR4; solder SnAgCu         | Communications card                   | 168g |

## Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

## Comments

### EU-directive 2002/95/EC (RoHS)

The device is free from substances banned by the EU-Directive 2002/95/EC (RoHS) - allowing for the exemptions acc. to Decision 2010/571/EU: Pb, Hg, Cr6+, PBB, PBDE: <0.1% by weight in homogeneous materials  
Cd: <0.01% by weight in homogeneous materials

### Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

Status according to the creation date of this document.

The device is halogen-free with exception of:

PCB (TBBA); PVC ribboncable; PVC cable; Flat cable mounting; Edge protection profile

### Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.