



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>Thermal actuator, type STP</b>
	Designation	<b>STP21NRS</b>
	Product range	<b>Valves and actuators</b>
<b>Process control</b>	Siemens AB	
	SE-141 87 Huddinge	
	Management system certified	Since by
	ISO 14001 (environment)	<b>31 Oct. 1996 SIS</b> <b>(1 Sept. 2002 SEMKO-DEKRA)</b>
	ISO 9001 (quality)	<b>23 Nov. 1988 SIS</b> <b>(1 Sept. 2002 SEMKO-DEKRA)</b>
<b>Product use</b>	Typical energy consumption per year	<b>appr. 2 kWh at 10% duty cycle</b>
	Maintenance	<b>Maintenance free</b>
	Environmental benefits	<b>RoHS compliant</b>
<b>Environmental risk (fire)</b>	Fire protection as per	<b>EN 60730-1 and EN 60730-2-14</b>
	Fire load [MJ]	<b>STP21NRS</b> 3
	Parts containing halogens (result in corrosive smoke)	<b>Cables</b>
<b>Packaging</b>	Actuator	<b>STP21NRS</b>
	Carboard [g]	23
	LDPE [g]	5
	Printed paper [g]	0
	Notes on disposal	<b>Can be recycled</b>

Materials [g]	Actuator	STP21NRS
	Total weight of device*	147
Plastics	Poly carbonate PC 10 % GF	23
	Poly carbonate PC 20 % GF	24
	Polybutylene terephthalate PBT 20 % GF	2
	Polyvinyl chloride PVC	29
Metals	Non alloyed copper Cu	17
	Alloyed copper Cu-X	16
	Non alloyed steels Fe-C	16
	Low alloy steels Fe-C-X	3
External Products	PTC-element, containing: Cu, Zn, Steel, Ceramic, FPM, Wax, Grease, Glue	16

\*The total weight includes even substances under 0.1% of the total weight that are not declared separately.

### Disposal



Do not dispose of the device as part of standard household garbage, but as special waste from electrical and electronic components. This particularly applies to electronic circuit boards.

Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.

**Observe all local and applicable laws!**

#### Legal disclaimer: This declaration is for information purposes 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 Building Technologies Ltd. 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.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.