



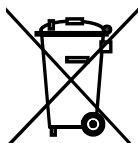
Environmental Product Declaration

Product	Device type	Thermal actuator, type STA					
	Designation	STA21, STA21/50, STA219, STA71, STA71/50, STA719					
	Product range	Valves and actuators					
Process control	Siemens AB						
	SE-141 87 Huddinge						
	Management system certified	Since	by				
	ISO 14001 (environment)	31 Oct. 1996	SIS		(1 Sept. 2002 SEMKO-DEKRA)		
	ISO 9001 (quality)	23 Nov. 1988	SIS		(1 Sept. 2002 SEMKO-DEKRA)		
Product use	Typical energy consumption per year	appr. 2 kWh at 10% duty cycle					
	Maintenance	Maintenance free					
	Environmental benefits	RoHS compliant					
Environmental risk (fire)	Fire protection as per	EN 60730-1 and EN 60730-2-14					
	Fire load [MJ]	STA					
		21	21/50	219	71	71/50	719
	3	4	3	3	4	3	
	Parts containing halogens (result in corrosive smoke)	Cables					
Packaging	Actuator	STA					
		21	21/50	219	71	71/50	719
	Cardboard [g]	0	0	23	0	0	23
	Printed paper [g]	0	0	5	0	0	5
	LDPE [g]	5	5	5	5	5	5
	Notes on disposal	Can be recycled					

Materials [g]	Actuator	STA					
		21	21/50	219	71	71/50	719
	Total weight of device*	145	281	195	145	281	195
Plastics	Poly carbonate PC 10 % GF	23	23	23	23	23	23
	Poly carbonate PC 20 % GF	24	24	24	24	24	24
	Polybutylene terephthalate PBT 20 % GF	2	2	2	2	2	2
	Polyvinyl chloride PVC	29	113	62	29	113	62
Metals	Non alloyed copper Cu	17	70	35	17	70	35
	Alloyed copper Cu-X	15	15	15	15	15	15
	Non alloyed steels Fe-C	16	16	16	16	16	16
	Low alloy steels Fe-C-X	3	3	3	3	3	3
External Products	PTC-element, containing: Cu, Zn, Steel, Ceramic, FPM, Wax, Grease, Glue	16	16	16	16	16	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.

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.