



Environmental Product Declaration

Product	Type of equipment	Fire control panel	
	Designation	FC 2020 AZ / EZ / FZ / CZ / FX (2-loop)	
	Product line	FS 20	
Process control	Siemens Switzerland Ltd. Building Technologies Group Gubelstrasse 22 CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (environment)	06.12.2002	Gerling Cert
	ISO 9001 (quality)	06.11.1989	SQS/VdS
Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assess, 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 Siemens Standard SN 36350 "Environmentally compatible products".		
Product use	Typical energy consumption per year	142 kWh/a	
	Maintenance	not necessary	
Risk of fire	Fire load	42 MJ, AZ / EZ / FZ 51 MJ, CZ / 17 MJ, FX	
Packaging	20-PAP Corrugated fibre board	Operator unit	770 g
	20-PAP Corrugated fibre board	Insert operator unit	315 g
	20-PAP Corrugated fibre board	Insert cover	120 g
	20-PAP Corrugated fibre board	Rear Standard	552 g
	20-PAP Corrugated fibre board	Insert drilling gage 1HU	333 g
	FC2020-FZ / CZ Polyester, polyethylene	Static shielding bag	26 g
	FC2020-FX 20-PAP Corrugated fibre board, PU foam	Shift box 310x230x65mm	204 g
	FC2020-FX 20-PAP Corrugated fibre board, PU foam	Foam	80 g
	20-PAP Corrugated fibre board, PU foam	Packing Power Supply	95 g
	20-PAP Corrugated fibre board	Foam	18 g
Notes on disposal	19 box 6he KD 30B	230 g	
	One-way, recyclable		

Materials				Total weight device	chart*
Plastics	ABS+PC	halogenated	FHA2011-A2 Cover cap	chart*	
	Q Silicone rubber		FCM2012-A1 Keypad (International) / FCM2013-F1 (France)	239 g	
	Q Silicone rubber		Isolation pad	chart*	
	PVC rigid		Flat cable mounting	3 g	
	polyester foil		Design foil	41 g	
	Q Silicone rubber		Rubber Keypad to FTO2004-C1	chart*	
	PA		Switching lever	chart*	
	PC, ABS		FLF socket type 13 white UL94-V0	chart*	
Metals	Steel	zinc plated	FCM2010-A1support Operatint unit	chart*	
	Steel	zinc plated	FCM2009-A1support Operatint unit	chart*	
	Steel	zinc plated	Screws	34 g	
	CuZn	nickel plated	Spacer botts SW5,5/M3	4 g	
	Steel	Zn galv.Zincor	FHA2002-A1 Rear cpl (Standard)	chart*	
	Aluminum	raw	Housing base to FP2001-A1 Power Sup. 70W	209 g	
	Aluminum	raw	Housing cover to FP2001-A1 Power Sup.70W	120 g	
	Steel	zinc plated	TS35 Hat mounting rail L150	chart*	
	Brass	Brass	Kaba-cheese head type 8 (with accessorie)	chart*	
	Steel	zinc plated	TS35 Hat mounting rail L180	chart*	
Others	PA6.6, Cu, CrNi	2 pcs.	Final cramp	chart*	
	PA, PBT, PVC, Cu-Alloy, Zn		Cable-kit to 1HU, 70W	chart*	
	PA6.6, Cu, CrNi		Disconnection terminal 2,5 MM2 (TS35) 3L	chart*	
	PA6.6, Cu, CrNi		Terminal 2,5 MM2 (TS35)	chart*	
	PA6.6, Cu, CrNi		Protective terminal 2,5 MM2 (TS35) 3	chart*	
	PA		Cover plate orange (TS35)	chart*	
	PBT GF, Be/Cu, PVC		34 pitch Ribbon cable	20 g	
	PBT GF, Be/Cu, PVC		20 pitch Ribbon cable	chart*	
	PVC, Cu,	tin-plated	Wire L=200 / 140mm 5 pcs	chart*	
	PVC, Cu,	tin-plated	Cabel-Kit to FC2020-CC	chart*	
	ABS/Steel		Modul_Sonst_24FDC2C/08A_Sonst	chart*	
PCB assembled	FR4	TBBA	SnAgCu	FCM2004-A1 PMI- & Mainboard	312 g
	FR4	TBBA	SnAgCu	PCB cpl. FTO2002-A1 LED Ind. (internal)	chart*
	FR4	TBBA	SnAgCu	FCI2002-A1 Periphery board (2-loop)	197 g
	FR4	TBBA	SnAgCu	Processorboard	18 g
	FR4	TBBA	SnAgCu	PCB-Ass. to FP2001-A1 Power sup. (70W)	239 g
	FR4	TBBA	SnAgCu	PCB cpl. FTO2004-C1 FBA terminal	chart*

The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Special Components

Batteries

The batteries are furnished by the installer. Information on the environmental declaration is available from the installer or directly from the battery manufacturer.

Capacitors > 12 cm3	on PCB-Ass. to FP2001-A1 Power sup. (70 W)	2 pcs.	(20 g)
terminal block, PA	PCB-Ass. to FP2001-A1 Power sup. (70 W)		(26 g)
CB Angle, aluminium	PCB-Ass. to FP2001-A1 Power sup. (70 W)		(12 g)
transformer	PCB-Ass. to FP2001-A1 Power sup. (70 W)		(40 g)
choke	PCB-Ass. to FP2001-A1 Power sup. (70 W)		(25 g)

Weights in brackets are already included in components declared under materials.

Disposal



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

* Variants parts list	FC2020 AZ	FC2020 EZ	FC2020 FZ	FC2020 CZ	FC2020 FX
Total weight of device	8537 g	8657 g	8537 g	8973 g	2403 g
FHA2011-A2 Cover cap	645 g	645 g	645 g	645 g	----
FCM2010-A1support Operatint unit	----	942 g	----	942 g	----
FCM2009-A1support Operation unit (printer)	977 g	----	977 g	----	977 g
FHA2002-A1 Rear cpl (Standard)	5300 g	5300 g	5300 g	5300 g	----
TS35 Hat mounting rail L180	57 g	57 g	57 g	57 g	----
Isolation Pad	----	83 g	----	----	----
20 pitch Ribbon cable	----	3 g	----	----	----
PCB cpl FTO2002-A1 LED Ind.	----	69 g	----	----	----
PCB cpl. FTO2004-C1 FBA terminal	----	----	----	47 g	----
Rubber Keypad to FTO2004-C1	----	----	----	60 g	----
Kaba-cheese head type 8 (with access.)	----	----	----	60 g	----
Switching lever	----	----	----	3 g	----
TS35 Hat mounting rail L180	----	----	----	57 g	----
Wire L=200 / 140mm 5 pcs	----	----	----	20 g	----
Cabel-Kit to FC2020-CC	----	----	----	16 g	----
Modul_Sonst_24FDC2C/08A_Sonst	----	----	----	86 g	----
Modul_Sonst_24FDC-Schaltermodul_Sonst	----	----	----	25 g	----
FLF socket type 13 white UL94-V0	----	----	----	68 g	----
Final cramp	8 g	8 g	8 g	8 g	----
Cable-kit to 1HU, 70W	88 g	88 g	88 g	88 g	----
Disconnection terminal 2,5 MM2 (TS35) 3L	13 g	13 g	13 g	13 g	----
Terminal 2,5 MM2 (TS35)	8 g	8 g	8 g	8 g	----
Protective terminal 2,5 MM2 (TS35) 3	11 g	11 g	11 g	11 g	----
Cover plate orange (TS35)	4 g	4 g	4 g	4 g	----

Comments

Environmental benefits:

- Serves for the early detection of fires and prevents the discharge of toxic gases.
- Easily removable. Disassembling is possible without any important effects regarding waste disposal.
- Very low energy consumption.

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.

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