



Environmental Product Declaration

Product

Device type	TXM1.8X-ML
Designation	Super universal module with LCD panel and local override
Range	TX-I/O™

Process control

Siemens Switzerland Ltd Building Technologies Division Gubelstrasse 22, CH-6301 Zug		
Management system certified	Since:	By:
ISO 14001 (Environment)	20 Oct. 1998	BSI
ISO 9001 (Quality)	22 July 1986	BSI

Environmentally compatible product design

The device was developed in compliance with Siemens standard SN36350, "Environmentally compatible products". This standard requires that the requirements for environmental protection be fulfilled at a level above the statutory minimum.

Product use

Typical energy consumption per year	Approx. 30 kWh
Maintenance	Not required
Environmental benefits	See notes on page 2

Environmental risk (fire)

Fire protection as per	UL864
Fire load	Approx. 3.6 MJ
Parts containing halogens (producing corrosive smoke)	PCB assemblies

Packaging

Paperboard, cardboard boxes, paper	Lock-bottom carton (20-PAP corrugated fiberboard) 21.9 g	label (22-PAP paper) 0.1 g
Notes on disposal	RESY, can be recycled – notes on all important parts	

Materials		Total weight of device	211.5 g
Plastics	PC, Lexan 940, fiberglass-free and halogen free	Housing, housing cover, base, slide fitting, terminal and island bus cover, cable shield holder	95.6 g
	PC, Lexan 940A, fiberglass-free and halogen free	Frame with fiber optic cable, hinged cover and address key	10.3 g
	PET, polyethylene terephthalate		0.6 g
	VMQ, HTV silicone rubber, contains silicone		2 g
Metals	Bronze STOL76	Contact springs	13.6 g
	CuFe 2P	Busbar	8 g
	Steel	Address springs, terminal cages, slide fittings, screws	24.4 g
Circuit boards with components	FR4, 8 % bromium TBBA		57 g
Special components	LCD (15 cm ²)	On printed circuit board	(7.9 g)

(Parts whose weight is shown in brackets are already included in the 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.

Comments

Materials:

The device is free from substances banned by the Directive 2002/95/EC (RoHS):

- Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials
- Cd: < 0.01 % by weight in homogeneous materials.

The device is halogen-free except the PCBs (TBBA) .

The device does not contain anti-wetting substances. The silicone rubber mats were treated at 200 °C for 2 hours. The plastic parts were manufactured without mold-release agents containing silicone.

Environmental benefits:

The TX I/O module is part of the building automation and control system ensuring precise control of temperature, humidity and pressure in one building. Precise control prevents excessive setpoints, keeping energy consumption to a minimum.

The I/O concept guarantees that the modules are effectively employed within a plant.

Legal disclaimer: This declaration is for information purposes only

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