



Environmental Product Declaration

Product	Device type	QFA31.. / QFA41..	
	Designation	Room sensors for humidity and temperature	
	Product range	Symaro™	
Process control	Siemens Switzerland Ltd Industry Sector Building Technologies Division Gubelstrasse 22, CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (environment)	20.10.1998	SQS
	ISO 9001 (quality)	22.07.1986	SQS
Environmentally compatible product design	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 Siemens Standard SN 36350 "Environmentally compatible products".		
Product use	Typical energy consumption per year	< 8 kWh/a	
	Maintenance	none	
Environmental risk (fire)	Fire protection as per	EN 60 730	
	Fire load	< 4 MJ	
	Parts containing halogens (result in corrosive smoke)	Printed circuit board	
Packaging	20-PAP corrugated fibreboard	Die cut box	27 g
	4-LDPE polyethylene	QFA31.. only: Bag for accessories kit	< 3g
	Notes on disposal	One way recyclable	
RoHS	The devices are 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 devices are halogen free except the PCBs		

Materials		Total weight of device	Chart *
Plastics	PC	Housing and measuring rod	Chart *
	PBT/PE	Filter and filter cap	4 g
	Epoxy resin	Sealing compound	1 g
	PA66	Grommet	8 g
	Q silicone rubber	Sealing gasket (housing)	1 g
	PA6 GF30	QFA31.. only: hexagon nut (1 pc.) QAF41.. only: hexagon nuts (2 pcs.)	1 g 2 g
Metals	Steel zinc-plated	Screws (housing)	5 g
Circuit boards with components	FR4 TBBA solder SnAgCu	Printed circuit board base	Chart *
		Printed circuit board measuring tip	2 g
Terminal strips	PA66 Cu nickel-plated		Chart *
Connectors	PUR/CuSn/CuZn	Circular connector	9 g
	PUR/CuZn	Circular connector	8 g
	PUR/CuZn	QFA41.. only: circular connector	18 g
	PA6 Cu nickel-plated	QFA41.. only: plug circular connector	24 g

* Variant part list

	QFA3100	QFA3101	QFA3110	QFA3160	QFA3171	QFA4101	QFA4160	QFA4171	
Total weight	135 g	131 g	134 g	136 g	149 g	174 g	164 g	177 g	
Housing and measuring rod	56 g	56 g	56 g	56 g	69 g	69 g	56 g	69 g	
Circuit board	19 g	16 g	16 g	19 g	19 g	16 g	19 g	19 g	
Terminal strips	7 g	6 g	10 g	9 g	9 g	9 g	9 g	9 g	
With LCD module	13 g			150 g	162 g		177 g	190 g	D

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

Disposal

Do not dispose of the devices as part of unsorted municipal waste. 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.

Notes

Materials: All sensors QFA31.. are delivered with the following accessories kits:
Cable entry gland (8 g, PA6 / PA6 GF30)
Strain relief with screws (3 g, steel stainless)

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 Switzerland 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.