SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021



Environmental Product Declaration

Product

Type of equipment / Product No.	S55845-Z206-AVG4E015	Flow Sensors DN15
	S55845-Z207-AVG4E020	Flow Sensors DN20
	S55845-Z208-AVG4E025	Flow Sensors DN25
	S55845-Z209-AVG4E032	Flow Sensors DN32
	S55845-Z210-AVG4E040	Flow Sensors DN40
	S55845-Z212-AVG4E050	Flow Sensors DN50

Product line, product range Intelligent Valve - AVG FlowSection DN15 - 50

Process control

Siemens Schweiz AG
Smart Infrastructure
Theilerstrasse 1a
CH-6300 Zug

Management System	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 with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

	The consumption of electricity for the flow sections is included in the power consumption of the controller.
Maintenance	Not necessary
Fire load	variant *) see below

Packaging

20-PAP Corrugated fiber board	Box	variant
22-PAP paper	molded pulp	variant
20-PAP Corrugated fiber board	cut	variant
22-PAP paper	Label	1g
Notes on disposal	One-way, recyclable	

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Materials	Total weight of device		variant *) see below
		The total weight of a device may deviate from the total of the weights of all individual components due to rounding.	
Plastics	PES; GF 20%; low-halogen	carrier for transducer	3g
	EPDM; low-halogen	O-Ring	4g
	PPS; GF 40%; low-halogen	spacer	variant
	PPS; GF 40%; low-halogen	cable run	9g
	PPS; low-halogen	strainer	variant
	PES; GF 20%; low-halogen	Measuring pipe	variant
	PPS; GF 40%; low-halogen	Measuring pipe	variant
	PPS; GF 40%; low-halogen	holder measuring insert	variant
	PES; GF 20%; low-halogen	holder measuring insert	variant
	PPS; GF 40%; low-halogen	body	86g
	LDPE; halogenated	protection cap	variant
	fibre; halogenated	gasket	variant
	NBR; low-halogen	O-Ring	2g
Metals	CuZnPb (Pb>0,1%)	body	variant
	Cu alloy (Pb>0,1%)	locking screw	10g
	steel CrNi	membrane	2g
	Cu alloy	elektrode	2g
	Steel stainless	lens head screw	2g
	steel CrNi	cover plate	7g
	steel CrNi	reflector	variant
	steel CrNi	flow straightener	variant
	Steel stainless	screw	variant
	CuZnPb (Pb>0,1%)	locating pin	variant
	Steel stainless	lens head screw	2g
	Steel; galvanized	screw	2g
Others	Ceramic	transducer ceramic	2g
	Polyurethane	potting compound	105g
	Silicone	cable	82g
PCBAs (Printed Circuit Board assembled)	FR4; low-halogen; solder SnAgCu	PCBA	10g

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***Variant parts list**

	[g]	S55845-Z206-AVG4E015	S55845-Z207-AVG4E020	S55845-Z208-AVG4E025	S55845-Z209-AVG4E032	S55845-Z210-AVG4E040	S55845-Z212-AVG4E050						
Total weight of device		658	743	1'227	1'013	2'251	2'251						
spacer						2	2						
strainer				5	5								
Measuring pipe		5	6										
Measuring pipe				16	16	16	16						
holder measuring insert				18	18	20	20						
holder measuring insert		6	6										
protection cap		3	5	12	8	16	16						
gasket		2	4	4	4	8	8						
body		310	390	840	630	1'750	1'750						
reflector		2	2	2	2	6	6						
flow straightener						80	80						
screw						2	2						
locating pin						21	21						
Fire load	[MJ]	7	7	8	8	8	8						
Packaging													
Box	[g]	93	93	93	93	221	221						
molded pulp		40	40	40	40								
cut		23	23	23	23	234	234						

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. Regarding disposal, use the systems setup for collecting electronic waste.
Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

Regulation (EC) No. 1907/2006 (REACH)

"The device releases under normal or reasonably foreseeable conditionsLead (Flow Sensor Body / Locating Pin / Locking Screw / Stem) - Annex III 6©, CAS-Nr.7439-92-1
. The device complies with the requirements of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)."

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

(Status according to the creation date of this document.)

The device is low-halogen with exception of:
Antifriction washer; Potting compounds; Gaskets; Protection Cap; Cable

Legal Disclaimer: This declaration is for information purpose 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 Schweiz AG 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.

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