



## Environmental Product Declaration

<b>Product</b>	Type of equipment / Product No.	SKD32.21E	Hydraulic Actuator, Type SKD	
		SKD32.50E	Hydraulic Actuator, Type SKD	
		SKD62E	Hydraulic Actuator, Type SKD	
		SKD329.51	Hydraulic Actuator, Type SKD	
	Product line	Acvatix - Large Stroke Actuators - Electrohydraulic		
<b>Process control</b>	Siemens Switzerland Ltd Building Technologies Division Gubelstrasse 22 CH-6301 Zug			
	Management System	since	by	
	ISO 14001 (Environment)	01.09.2002	SEMKO-DEKRA	
	ISO 9001 (Quality)	01.09.2002	SEMKO-DEKRA	
	<b>Product use</b>	Typical energy consumption	8 ... 11kWh/a	
	Maintenance	Not necessary		
<b>Risk of fire</b>	Fire protection according to	EN 60730-1		
	Fire load	26MJ		
<b>Packaging</b>	20-PAP Corrugated fiber board	Folded Box	444g	
	22-PAP paper	Printed Paper	29g	
	Notes on disposal	One-way, recyclable		
<b>Materials</b>	Total weight of device	3.531 ... 3.593g		
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.			
Plastics	Flour Rubber FPM	Sealings	2 ... 12g	
	NBR	Sealings	5 ... 11g	
	PA	Cover, Snorkel	73 ... 85g	
	PBT	Cabling entrance	10 ... 12g	
	ABS+PC	Cover Complete, Manual Adjuster, Bearing	312 ... 318g	
	POM	Guidance	45g	
	Metals	Al	Cylinder	190g
		Al alloy	Housing, Piston	877g
		Cu	Coils	64 ... 85g
		Cu alloy	Parts	3 ... 4g
	Steel	Spring, Parts	1.402 ... 1.420g	

	Steel <=5% alloyed	Parts	184 ... 224g
	Steel >5% alloyed	Washers, Springs	62 ... 71g
	Sn / Sn alloy	Parts	1g
Others	Mineral oil	Hydraulic Fluid	242g
	Housing: PA6, Spring: steel, Insert: brass, Screw: steel Terminal		0 ... 11g
		Microswitch	0 ... 3g
	Wire: copper, Insulation :ETFE	Cable / Wire	7 ... 8g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated	FR4 105x60 mm	0 ... 47g

**\*Variant parts list**

	[g]	SKD32.21E	SKD32.50E	SKD62E	SKD329.51								
Total weight of device		3.564	3.536	3.531	3.593								
Sealings		11	2	2	11								
Sealings		5	11	11	5								
Cover, Snorkel		84	76	72	78								
Cabling entrance		12	10	10	12								
Cover Complete, Manual Adjuster		312	312	318	312								
Coils		84	66	64	84								
Parts		3	3	3	3								
Spring, Parts		1.419	1.404	1.401	1.420								
Parts		190	218	184	224								
Washers, Springs		70	62	61	70								
Terminal		11	11		11								
Microswitch		2	2		2								
Cable / Wire		8	6	7	8								
FR4 105x60 mm				46									
Fire load	[MJ]	26	26	26	26								
Typical energy consumption	[kWh/a]	11	8	9	11								

**Disposal**

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. 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.

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

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

The device is free from substances which interfere with lacquer wetting.

The device is halogen-free with exception of:  
Cables, insulation tubing; PCBA

#### Environmental benefits

The actuator reduces consumption of energy due to switch off in end position.

**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 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.

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