



Environmental Product Declaration

Product	Type of equipment / Product No.	SKD32.21	Hydraulic Actuator, Type SKD	
		SKD32.50	Hydraulic Actuator, Type SKD	
		SKD32.51	Hydraulic Actuator, Type SKD	
		SKD82.50	Hydraulic Actuator, Type SKD	
		SKD82.50U	Hydraulic Actuator, Type SKD	
		SKD82.51	Hydraulic Actuator, Type SKD	
		SKD82.51U	Hydraulic Actuator, Type SKD	
	Product line	Acvatix - Large Stroke Actuators - Electrohydraulic		
Process control	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	
Product use	Typical energy consumption	7 ... 11kWh/a		
	Maintenance	Not necessary		
Risk of fire	Fire protection according to	EN 60730-1		
	Fire load	23 ... 25MJ		
Packaging	20-PAP Corrugated fiber board	Folded Box	180g	
	22-PAP paper	Printed Paper	20 ... 29g	
	Notes on disposal	One-way, recyclable		
Materials	Total weight of device	3'516 ... 3'813g		
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.			
Plastics	ABS	Terminal cover	17g	
	Flour Rubber FPM	Sealings	2 ... 12g	
	NBR	Sealings	5 ... 12g	
	PA		66 ... 74g	
	PBT	Cabling entrance	9 ... 12g	
	ABS+PC	Cover Complete, Manual Adjuster	232 ... 293g	
	POM	Guidance	45g	
	Metals	Al	Cylinder	190g
		Al alloy	Housing, Piston	877 ... 1'181g
		Cu	Coils	64 ... 85g
Cu alloy		Parts	3 ... 4g	
Steel		Spring, Parts	1'403 ... 1'420g	
Steel <=5% alloyed		Parts	191 ... 224g	
Steel >5% alloyed		Washers, Springs	62 ... 70g	
	Sn / Sn alloy	Parts	1g	

Others	Mineral oil	Hydraulic Fluid	242g
	Housing: PA6, Spring: steel, Insert: brass, Screw: steel Terminal		11g
		Microswitch	3g
	Wire: copper, Insulation :ETFE	Cable / Wire	7 ... 8g

***Variant parts list**

	SKD32.21	SKD32.50	SKD32.51	SKD82.50	SKD82.51	SKD82.51U					
Total weight of device [g]	3'550	3'521	3'578	3'516	3'761	3'569	3'813				
Sealings	11	2	11	2	2	2	2				
Sealings	5	11	5	11	11	12	12				
	73	65	67	65	65	66	66				
Cabling entrance	11	9	11	9	10	11	12				
Cover Complete, Manual Adjuster	293	293	293	293	231	293	231				
Housing, Piston	876	876	876	876	1'180	876	1'180				
Coils	84	66	84	64	64	82	82				
Parts	3	3	3	3	3	3	3				
Spring, Parts	1'419	1'404	1'420	1'403	1'403	1'418	1'418				
Parts	190	218	224	218	218	224	224				
Washers, Springs	70	62	70	62	62	70	70				
Cable / Wire	8	6	8	6	6	8	8				

Typical energy consumption

[kWh/a]	11	8	11	7	7	9	9				

Packaging

Printed Paper

20	20	20	20	29	20	29					
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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

Environmental benefits

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

** Not valid for the U.S. Market

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.