



Environmental Product Declaration

Product

Type of equipment / Product No.	SKB32.50	Hydraulic Actuator, Type SKB
	SKB32.50/F	Hydraulic Actuator, Type SKB
	SKB32.51	Hydraulic Actuator, Type SKB
	SKB32.51/F	Hydraulic Actuator, Type SKB
	SKB82.50	Hydraulic Actuator, Type SKB
	SKB82.50U	Hydraulic Actuator, Type SKB
	SKB82.51	Hydraulic Actuator, Type SKB
	SKB82.51U	Hydraulic Actuator, Type SKB
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	60 ... 65MJ

Packaging

20-PAP Corrugated fiber board	Folded Box	739 ... 753g
22-PAP paper	Printed Paper	29 ... 39g
Notes on disposal	One-way, recyclable	

Materials

Total weight of device	8.954 ... 9.489g	
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The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Plastics

ABS	Protection	12g
Flour Rubber FPM	Sealings	2g
NBR	Sealings	36 ... 37g
PA	Cylinder Head, Snorkel, Spacer	168 ... 170g
PBT	Cabling entrance, Coil body	11 ... 15g
PP	Cover	8g
ABS+PC	Cover Complete, Manual Adjuster, E-Box, Hand Manue	240 Ind 299g

Metals

Al	Parts	21 ... 25g
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	Al alloy	Housing, Console, Cylinder	2.884 ... 3.193g
	Cu	Coils	64 ... 83g
	Cu alloy	Parts	3 ... 4g
	Steel	Parts	550 ... 585g
	Steel <=5% alloyed	Spring, Parts	3.687 ... 3.737g
	Steel >5% alloyed	Screws, Springs	185 ... 195g
	Sn / Sn alloy	Parts	1g
	Zn / Zn alloy	Parts	11g
Others	Mineral oil	Hydraulic Fluid	1'012 ... 1'014g
	Housing: PA6, Spring: steel, Insert: brass, Screw: steel Terminal		14g
		Microswitch	4g
	Wire: copper, Insulation :ETFE	Cable / Wire	4 ... 6g

***Variant parts list**

	SKB32.50	SKB32.50/F	SKB32.51	SKB32.51/F	SKB82.50	SKB82.50U	SKB82.51	SKB82.51U				
[g]	9.167	8.954	9.220	9.007	9.167	9.435	9.221	9.489				
Total weight of device												
Protection	12	12	12	12	12	12	12	12				
Cylinder Head, Snorkel, Spacer	168	168	169	169	168	168	169	169				
Cabling entrance, Coil body	11	11	14	14	11	12	14	15				
Cover	8	8	8	8	8	8	8	8				
Parts	25	20	25	20	25	25	25	25				
Housing, Console, Cylinder	2.883	2.893	2.883	2.893	2.883	3.193	2.883	3.193				
Coils	64	64	82	82	65	65	83	83				
Parts	3	3	3	3	3	3	3	3				
Parts	561	549	578	566	559	568	576	585				
Spring, Parts	3.730	3.687	3.737	3.693	3.730	3.730	3.737	3.737				
Screws, Springs	187	184	195	193	187	187	195	195				
Hydraulic Fluid	1'014	1'012	1'014	1'012	1'014	1'014	1'014	1'014				
Cable / Wire	5	5	3	3	6	6	5	5				

Typical energy consumption

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

[g]	738	753	738	753	738	738	738	738				
Folded Box												
Printed Paper	29	29	29	29	29	39	29	39				

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.

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