



Declaration on materials and the environment

Product	Type	ASF122F120 / F122 ASF123F122 ASF122F220 / F222
	Description	Actuators with spring return
	Range	Electric drives
Process supervisor	Fr. Sauter Ltd. Im Surinam 55, CH-4016 Basle	
	Management system certified	since by
	ISO 9001	10th Aug. 1993 SQS
	ISO 9001:2000	10th Aug. 2002 SQS
	ISO 14001:2004	10th Aug. 2005 SQS
	OHSAS 18001:1999	10th Aug. 2005 SQS
Environmentally-compatible product design	Based on	Management system Fr. Sauter Ltd.
	Process	Business process Product innovation
Product usage	Typical energy consumption p.a.	35 kWh
	CE conformity	PDS 51.035
	Servicing, maintenance	PDS no maintenance required
	How the environment benefits	see last page
Risk to the environment in the event of damage	Fire protection as per	EN 60695-2-11, EN 60695-10-2
	Fire load ⁽¹⁾	F12.: 4 MJ F22: 10 MJ
	Parts containing halogen (causing corrosive smoke)	PVC cable, printed circuit board
	Pollutive liquids	Lubricant
	Explosive substances	none
Packaging*	Cardboard PAP 21	125 g
	Paper PAP 22	16 g
	LDPE	2 g

⁽¹⁾ See **Remarks** on last page

*Directive 94/62/EC and follow-up document; decision 97/129/EC

Materials	Total weight of product ⁽²⁾	2409...2873 g	Safety data sheet	EU waste code**
Synthetics				
POM		62...94 g	Yes	20 01 39
PE		33...66 g	Yes	20 01 39
PA66		2 g	Yes	20 01 39
PBT		3 g	Yes	20 01 39
Metal				
Die-cast aluminium		753 g	Not required	20 01 40
Die-cast zinc		299 g	Not required	20 01 40
Steel		472...910 g	Not required	20 01 40
Sintered steel		52 g	Not required	20 01 40
Bronze		1g	Not required	20 01 40
Printed circuit board				
Printed circuit board assembly, lead-free solder		33 g		20 01 36
Special components				
Motor		107 g	Not required	20 01 36
PVC cable (ASF122F2...: + 100 g)		70 g	Not required	20 01 36
Transformer (only ASF122F.20)		300 g	Not required	20 01 36
Microswitch		6 g	Not required	20 01 36
Lubricant, synthetic long-lasting grease		5 g	Yes	20 01 26

N.B.:

Silicone content:

⁽²⁾ See **Remarks** on last page

**Directive 75/442/EEC and follow-up document; decision 2001/118/EC

Disposal**Product:**

For its disposal, the product should be treated as waste containing electrical and electronic equipment (electrical/electronic waste) and should not be disposed of as household waste. This applies in particular to the printed circuit board.

Fr. Sauter Ltd. observes the European directive 2002/95/EG (RoHS); the company's soldered products have been lead-free since 01.07.2006. Special treatment of particular components may, under certain circumstances, be either compulsory by law or ecologically advisable.

Packaging:

Recyclable

Observe local regulations and the latest applicable laws.

Special notes:

none

Remarks**(1) Fire load, depending on type:**

Accessory 0510240001: Mounting kit for ball valves VKR/BKRt	approx. 5 MJ
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(2) Weight, depending on type:

Accessory 0510240001: Mounting kit for ball valves VKR/BKR (Packaging: LDPE: 2 g / PAP 22: 29 g / PAP 21: 8 g)	39 g
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How the environment benefits

- When the internal spring has been removed, the product is easy to dismantle for proper disposal
- High performance in relation to size and weight

Disclaimer: This declaration is solely for information purposes.

If circumstances arise, Sauter may change the above-mentioned specifications without prior notice. Fr. Sauter Ltd. expressly rejects any liability for damage occurring due to the above information.

Further information on environmental aspects in general and on disposal in particular can be obtained from the local Sauter agent.