

Pump unit

KFA



Grease

Product description

KFA(S) series pumps include a maximum of two outlet ports to connect two independent lubrication circuits. A separate pump element is required for each outlet. Three pump elements with different delivery rates are available so that the volume of grease can be adjusted to individual circuit needs. This ensures that every lubrication point is supplied with an adequate amount of grease in each lubrication cycle. An integrated IG502-2-1 control and monitoring unit operates in a time- or load- (pulse) dependent mode, with or without monitoring.

Features and benefits

Integrated control system provides:

- Non-volatile memory with PIN-code protection
- Storage of residual interval, lubricating cycle and faults signals
- Saved data in event of a power failure
- Connection for external pushbutton and inductive cycle switch
- Interval and contact times can be set independently
- Fits in tight/small places

Applications

- Commercial vehicles
- 230 V AC models for industrial applications
- Machine tools
- Printing industry



Technical data

Function principle	electrical piston pump
Operating temperature	-25 to +75 °C -13 to +167 °F
Operating pressure	300 bar; 4 350 psi
Lubricant	grease up to NLGI 2
Outlets	1 to 2
Metering quantity	1,0; 1,5; 2,0 cm ³ /min 0.061; 0.092; 0.122 in ³ /min
Reservoir	1 l; 0.26 gal
Connection main line	M 14 × 1.5
Operating voltage	12 and 24 V DC; 115 and 230 V AC; (± 10%)
Protection class	IP 6K9K
Dimensions	216 × 150 × 234,5 mm 8.1 × 5.9 × 9.2 in
Mounting position	upright

NOTE

For further technical information, technical drawings, accessories, spare parts or product function descriptions, see the following publication available online at SKF.com/lubrication: 951-170-008

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Order number	Designation applications	Monitoring		Control unit		12 V DC	24 V DC	115 V AC	230 V AC
		level monitoring	cycle switch	extern	integrated				
KFA1 912	vehicles	–	–	•	–	•	–	–	–
KFA1 924	vehicles	–	–	•	–	–	•	–	–
KFA1-W 912	vehicles	•	–	•	–	•	–	–	–
KFA1-W 924	vehicles	•	–	•	–	–	•	–	–
KFAS1 912	vehicles	–	–	–	•	•	–	–	–
KFAS1 924	vehicles	–	–	–	•	–	•	–	–
KFAS1-W 912	vehicles	•	–	–	•	•	–	–	–
KFAS1-W 924	vehicles	•	–	–	•	–	•	–	–
KFA1-M 924	industry	–	–	•	–	–	–	–	–
KFA1-M-W 924	industry	•	–	•	–	–	•	–	–
KFAS1-M 924	industry	–	–	–	•	–	•	–	–
KFAS1-M-Z 924	industry	–	•	–	•	–	–	–	–
KFAS1-M-W 924	industry	•	–	–	•	–	•	–	–
KFAS1-M-W-Z 924	industry	•	•	–	•	–	•	–	–
KFA10 263	industry	–	–	•	–	–	–	–	•
KFA10-W 263	industry	•	–	•	–	–	–	–	•
KFAS10 485	industry	–	–	–	•	–	–	•	–
KFAS10-W 485	industry	•	–	–	•	–	–	•	–

¹⁾ only pump; pump elements need to be ordered separately

Grease

Accessories

Cable kits, pump elements

Cable kits

Order number	Designation
997-000-820	cable kit for pump KFA1, square type
997-000-630	cable kit bayonet for pump KFAS1 and KFAS1-W, 7-pins, (12 m, 39 ft)
997-000-650	cable kit bayonet for pump KFAS1 and KFAS1-W, 7-pins, (16 m, 52 ft)

KFA1.U1



KFA pump elements

Order number	Designation	Metering quantity	
		cm ³ /min	in ³ /min
KFA1.U1	pump element	2,00	0.122
KFA1.U2	pump element	1,50	0.092
KFA1.U3	pump element	1,00	0.061