Compact Lubrication Pump series CLP Touch

Intuitive lubrication control

Easy set-up of pump parameters and intuitive monitoring of the function of the progressive lubrication system

INTEGRATED DATALOGGING

Easy configuration and clear visibility of operational status

The pump series CLP is the first of the new SKF eLube generation. It is designed for small progressive lubrication systems.

The lightweight, simple and easy-to-use pump stands out with its compact design and reliable functionality in mobile and industrial applications. Several electrical and monitoring features have been tailored to fit the specific needs of the applications.

All CLP models are suitable for grease applications and come with a follower plate to ensure continuous grease flow. To refill the pumps easily, they are equipped with an easy-to-access standard grease nipple. The fill level can be visually monitored at each pump model.

CLP Touch versions come with an integrated control board with datalogging functionality. Using the intuitive touch panel makes it very easy to set pump parameters.

Benefits of CLP Touch
- Easy and intuitive setting of pump configuration
- Guided set up of pump parameters
- Prevents misuse or unintended changes by password protection on different levels
- Greater visibility to track machine health data
- Early warning of potential failures to take preventive action
- Full text display of failures and other events
- Visual indication of operational status

Easy and intuitive setting of pump configuration*

Setting of operation mode

Setting of lubrication time

Password protection to prevent misuse or unintended changes

The log-book gives access to performance and failure message history as well as time stamps

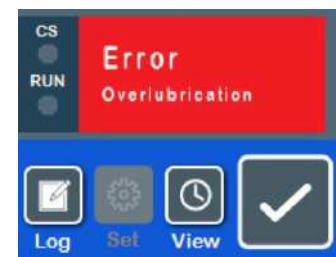## Clear visual indication of operational status*

Lubrication time, shown in screen-saver mode. By swiping "Home" to the right, users can access the active mode

Pause time, shown in active mode, where users can interact with the pump

Early warning of potential failures with full text display provides possibility to take preventive action

Error message of failures with full text display and access to log-book

* Examples

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CLP Touch in detail

Electrical connection*
M12x1 plug for signal input and output

Integrated control board with touch panel and datalogger
To configure the pump and access performance log

Cover panel
To protect the display from dirt

Electrical connection*
M12x1 plug for signal input

Electrical connection*
Bayonet plug for mobile use or square plug for industrial use

Follower plate
To ensure continuous grease flow

Optional pump element
Maximum two pump elements can be used

Filling connection
With standard filling nipple

Standard pump element 6
Provides up to 3 cm³ lubricant per minute

* Depending on model

In addition to the CLP basic pump, the CLP Touch version provides an integrated control board with a touch panel that allows users to configure the pump easily and intuitively.

The user is guided through the parameter settings. In case of pump or system failures, the panel provides full-text messages in many languages. Users can easily monitor the operational status thanks to the visual red/green indication.

An integrated datalogger provides a performance and failure log, which allows for checking if the machine is appropriately lubricated. It makes it easier for users to plan the next refill of the pump, as the datalogger provides a pre-warning signal and indicates the remaining time to refill based on the usage.

The touch panel is protected against dirt and unauthorized settings.

By offering three operation modes (time, counter and progressive cycle controlled), CLP Touch pumps provide need-based lubrication for any application.

CLP Touch main features

- Integrated control board with touch panel and datalogger
- Visual-level monitoring
- Lubricant: greases NLGI 0 to 2
- 1-liter reservoir
- Filling from bottom by grease nipple
- Follower plate
- Up to two pump elements in three positions

Features depending on model *:

- Power supply (12 / 24 V DC)
- Signal input:
  - Cycle switch
  - Extra lubrication
  - Ignition/machine contact
- Signal output: Error low-level and/or functioning control

* Check the description per model

Go to our product website to access videos and download the installation instructions.

→*skf.com/clp-touch*

Pre-defined models make ordering easy and improve lead time

The easiest and fastest way to order the new CLP pumps is to choose a pre-defined package. By ordering such a standard model, you get a fully equipped pump specifically configured for mobile or industrial use. These packages meet all standard requirements of these applications.

CLP Touch 12V for mobile use

Material number CLP-EG1AT1-0000061
- 12 V DC
- Compliance E1/ CE
- Pump element 6
- Integrated control board with touch panel and datalogger

+ Bayonet plug, 7 pole A coded[1)3)4)5)], on the left
+ M12×1, 5 pole B coded[2)], on the right

CLP Touch 24V for mobile use

Material number CLP-EG1AT2-0000062
- 24 V DC
- Compliance E1/ CE
- Pump element 6
- Integrated control board with touch panel and datalogger

+ Bayonet plug, 7 pole A coded[1)3)4)5)], on the left
+ M12×1, 5 pole B coded[2)], on the right

CLP Touch 24V for industrial use

Material number CLP-XG1AT2-0000063
- 24 V DC
- Compliance CE
- Pump element 6
- Integrated control board with touch panel and datalogger

+ Square plug, A coded[1)5)], on the left
+ M12×1, 4 pole A coded[3)4)], on the left
+ M12×1, 5 pole B coded[2)], on the right

CLP Touch 12V for mobile use

Material number CLP-EG1AT1-0000068
- 12 V DC
- Compliance E1/ CE
- Pump element 6
- Integrated control board with touch panel and datalogger

+ Bayonet plug CS, 7 pole A coded[1)2)3)4)5)6)], on the left

CLP Touch 24V for mobile use

Material number CLP-EG1AT2-0000069
- 24 V DC
- Compliance E1/ CE
- Pump element 6
- Integrated control board with touch panel and datalogger

+ Bayonet plug CS, 7 pole A coded[1)2)3)4)5)6)], on the left

NOTE!

Models CLP-EG1AT1-0000068 and CLP-EG1AT2-0000069 can replace existing KFAS installations using the same cables. These models come with a 7-pole bayonet plug that includes the cycle switch connection.

Customers can choose between models with 12 or 24 V DC.

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[1] Power
[2] Signal input: Cycle switch
[3] Signal output: Error
[4] Signal input: Extra lubrication
[5] Signal input: Ignition / machine contact
[6] Low-level signal

Technical data for all CLP Touch models

Function principle	Electrically operated lubrication pump	
Lubricants	Greases: NLGI 0 to 2	
Max. working pressure	270 bar	3 916 psi
Operating temperature	-25 to +65°C	-13 to +149°F
Usable reservoir volume	1 l	0.26 gal
Number of pump elements	max. 2	
Pump element [1]	6	
Lubricant output [2]	~3 cm³/min	~1.83 in³/min
IP-protection class [3]	IP 6K9K	
Corrosion class	C3	
Voltages	12 / 24 V DC	
Operating current	up to 3 A (max. peak), nominal 1,2 A	
Relative duty cycle	15% ED S3 30 minutes	
Electrical protection class	III	
Outlet connection	G1/4	
Mounting position	Upright	
Dimensions (max. H×W×D [4])	235×187×190 mm	9.25×7.36×7.48 in
Weight (empty)	5 kg	11 lb

[1] Pump element 6 is included in the standard packages (→page 4).
   Other pump elements can be ordered using the spare part / additional component list (→page 6/7)
[2] Lubricant output depending on pump element
[3] Protection class depending on electrical connection
[4] Depth with standard filling nippel

Comparison CLP Touch model features

CLP Touch

	CLP-EG1AT1-0000061	CLP-EG1AT2-0000062	CLP-EG1AT1-0000068	CLP-EG1AT2-0000069	CLP-XG1AT2-0000063
Material number	CLP-EG1AT1-0000061	CLP-EG1AT2-0000062	CLP-EG1AT1-0000068	CLP-EG1AT2-0000069	CLP-XG1AT2-0000063
Application	Mobile	Mobile	Mobile	Mobile	Industry
Voltage	12 V DC	24 V DC	12 V DC	24 V DC	24 V DC
Compliance	E1/CE	E1/CE	E1/CE	E1/CE	CE
Visual level monitoring	●	●	●	●	●
Electrical empty-level monitoring	●	●	●	●	●
Electrical connection left					
Bayonet plug, 7 pole A coded	● 1)3)4)5)	● 1)3)4)5)	–	–	–
Bayonet plug CS, 7 pole A coded	–	–	● 1)2)3)4)5)6)	● 1)2)3)4)5)6)	–
Square plug, A coded	–	–	–	–	● 1)5)
M12×1, 4 pole A coded	–	–	–	–	● 3)4)
Electrical connection right					
M12×1, 5 pole B coded	● 2)	● 2)	–	–	● 2)
M12×1, 5 pole A coded	–	–	–	–	–
Grease NLGI 0 to 2	●	●	●	●	●
Standard filling from front	●	●	●	●	●
Follower plate	●	●	●	●	●
Pump element 6 (right)	●	●	●	●	●

[1] Power
[2] Signal input: Cycle switch
[3] Signal output: Error
[4] Signal input: Extra lubrication
[5] Signal input: Ignition / machine contact
[6] Low-level signal

Spare parts / Additional components [1]

Pump elements [2]		Nominal output	
		cm³/min	*in³/min*
600-26875-2	Pump element 5	1.90	*0.12*
600-26876-2	Pump element 6	3.04	*0.19*
600-26877-2	Pump element 7	4.18	*0.26*
655-28716-1	Pump element R	0.7-3.3	*0.04-0.2*

Adapters and closure screws [2]

519-33840-1	Adapter with lubrication fitting ST 1/4 NPTF
519-33959-1	Adapter with lubrication fitting A2 AR 1/4
519-33955-1	Adapter with lubrication fitting ST AR 1/4
519-60445-1	Closure screw M22x 1,5

Pressure control valves

270 864	SVTSV-270-R1/4-1/8NPTFI-NIP00R-A
624-77803-1	SVTSV-270-R1/4-6-NIP00L
624-77802-1	SVTSV-270-R1/4-6-NIP00R

Power supply connection

664-34167-9	Bayonet socket, 4 pole with cable 10 m
6640-00000182	Bayonet CS socket, 7 pole with cable 10 m
664-34428-3	Bayonet socket, 7 pole with cable 10 m
664-36078-7	Square socket with cable 10 m (black)

Others

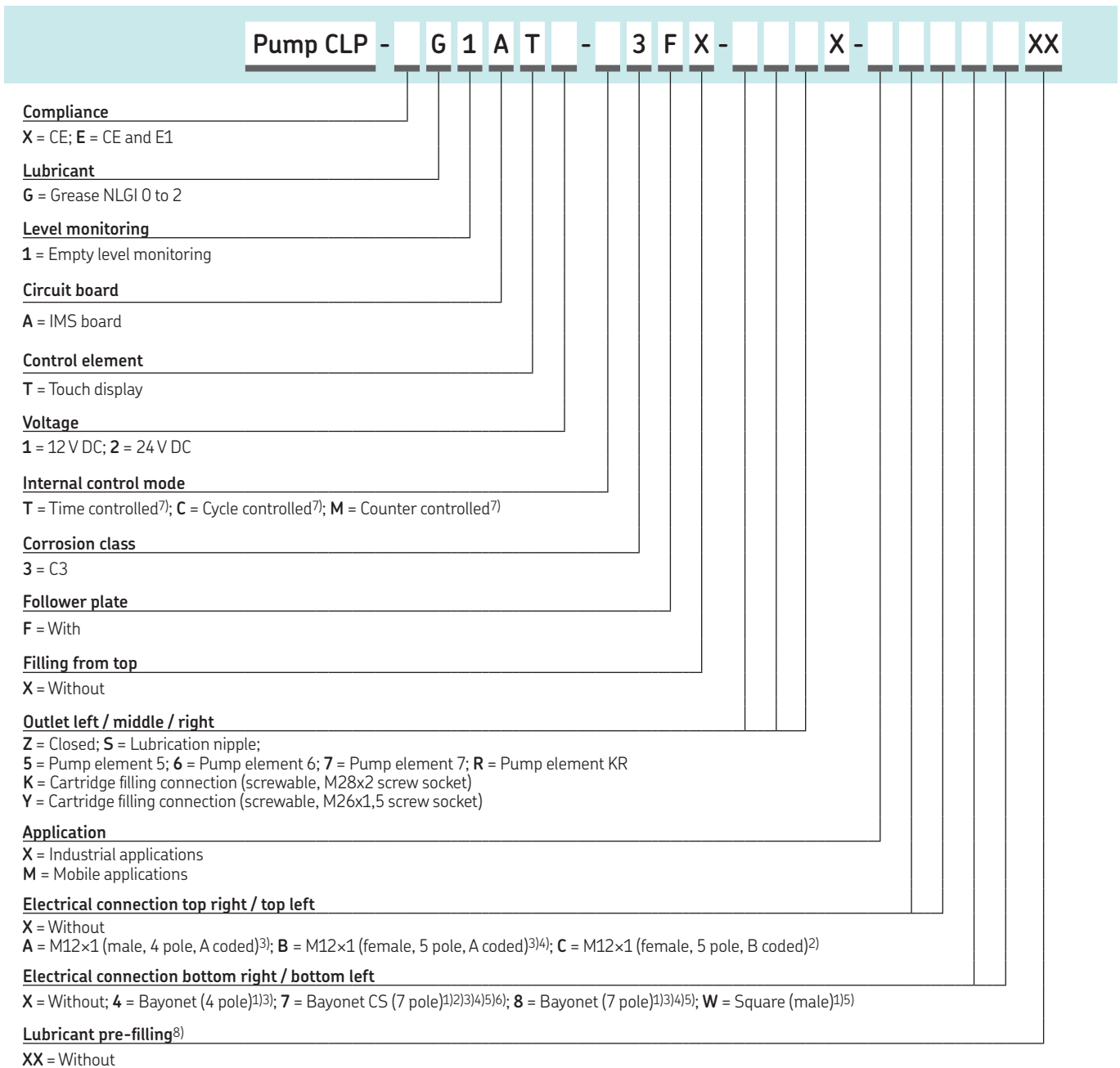|	
5590-00000002	Filling connection cartridge
5590-00000015	Mounting bracket kit
5590-00000014	Venting kit

[1] The spare parts assemblies may be used exclusively for replacement of identical defective parts. Modifications with spare parts on existing products are not allowed. Exceptions to this are the pump elements and the optional filling connection.
[2] Gasket included

For **accessories and spare parts,** please refer to the product catalogue "Progressive automatic lubrication systems"

→*PUB LS/P1 16964 EN, page 16ff*

How to order individually configured pump variants

Pump CLP – **G 1 A T** ☐ **3 F X** – ☐☐☐ **X** – ☐☐☐☐☐ **XX**

Compliance
X = CE; **E** = CE and E1

Lubricant
G = Grease NLGI 0 to 2

Level monitoring
1 = Empty level monitoring

Circuit board
A = IMS board

Control element
T = Touch display

Voltage
1 = 12 V DC; **2** = 24 V DC

Internal control mode
T = Time controlled[7]; **C** = Cycle controlled[7]; **M** = Counter controlled[7]

Corrosion class
3 = C3

Follower plate
F = With

Filling from top
X = Without

Outlet left / middle / right
Z = Closed; **S** = Lubrication nipple;
5 = Pump element 5; **6** = Pump element 6; **7** = Pump element 7; **R** = Pump element KR
K = Cartridge filling connection (screwable, M28x2 screw socket)
Y = Cartridge filling connection (screwable, M26x1,5 screw socket)

Application
X = Industrial applications
M = Mobile applications

Electrical connection top right / top left
X = Without
A = M12×1 (male, 4 pole, A coded)[3]; **B** = M12×1 (female, 5 pole, A coded)[3][4]; **C** = M12×1 (female, 5 pole, B coded)[2]

Electrical connection bottom right / bottom left
X = Without; **4** = Bayonet (4 pole)[1][3]; **7** = Bayonet CS (7 pole)[1][2][3][4][5][6]; **8** = Bayonet (7 pole)[1][3][4][5]; **W** = Square (male)[1][5]

Lubricant pre-filling[8]
XX = Without

[1] Power
[2] Signal input: Cycle switch
[3] Signal output: Error
[4] Signal input: Extra lubrication
[5] Signal input: Ignition / machine contact
[6] Low-level signal
[7] Can be adjusted
[8] For pump versions pre-filled with lubricant, please refer to the user manual or contact SKF.

NOTE!

Pre-defined models make ordering easy and improve lead time. (→page 4)

Individually configured pump variants need to be confirmed by SKF
prior placing an order.

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