

# Compact Greaser

Inexpensive solution for the lubrication of linear guides and rolling bearings



Compact Greaser

- Up to 5 lubricant outlet ports
- 3 different metered volumes (15 mm<sup>3</sup> standard)
- Suitable for grease, NLGI grades 000 to 2

- Ideal, low-cost alternative when no centralized lubrication system is available
- Dependable protection against deficient lubrication
- As many as five lube points are automatically supplied with lubricant
- Low maintenance and operating costs
- Also suitable for the lubrication of high-speed spindle bearings
- Available with optional fill level monitoring

## Effective protection against deficient lubrication

### Exact metering of lubricant quantities resulting in an economic and ecological payoff.

A Compact Greaser is the ideal alternative when it comes to the lubrication of linear guides and rolling bearings on machinery and equipment for which a centralized lubrication system would have been too expensive, thus making it necessary to fall back on solutions with high operating costs.

Compared with simple lubricating equipment or lubrication by hand, as is often the case in practice, the Compact Greaser assures effective and lasting protection against deficient lubrication. The lubricator automatically supplies up to five lube points with lubricant, thus assuring in many cases dependable operation of guides and/or bearings for their entire life cycle.

The quiet Compact Greaser also has a lot to offer from a financial and ecological point of view. Low maintenance and operating costs on the one hand combined with a frugal use of resources on the other thanks to variable lube cycles and exact metering of the lubricant quantities required.

In many cases the Compact Greaser is also used in grease lubrication systems. Thanks to its low metering volumes it is also used with appropriate grease for the lubrication of spindle bearings.

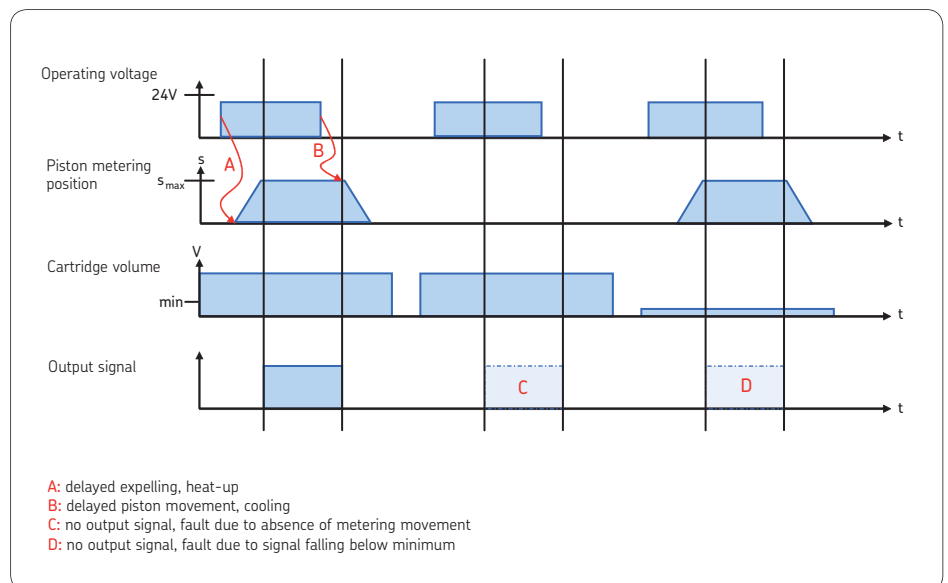
### Simple installation and connection to the machine's control system

Thanks to its small dimensions and low weight – the easy-to-handle Compact Greaser weighs only 360 grams with a full cartridge – the lubricator is easy to install, even in cramped and complicated conditions.

Its maximum power consumption amounts to 24 W, so the Compact Greaser – like a solenoid valve – can be operated directly by the SPC, namely without a separate power pack or additional circuit breaker. This is where it reveals its superiority over simple lubricators that are not connected to the machine's control system and thus go on lubricating even during operating breaks. That leads to higher lubrication costs, unnecessary stress on the environment and damage to bearing seals.

The Compact Greaser is designed for NLGI grade 000 to 2 grease and permits metering rates of 10, 15 or 20 mm<sup>3</sup> per stroke. The number of outlet ports and the metering rates are flexible and can be specified when an order is placed, thus making it possible to find a customized lubrication solution. The grease supply will suffice for up to 5 years, depending on the type of grease and its consumption. A bayonet lock makes it easy to replace the lubricator's grease cartridge.

The Compact Greaser is available with a monitoring system which monitors whether the metering pulse and fill level fall below minimum. The dynamics are shown in the figure to the right.



## Compact Greaser



See important product usage information on the back cover.

### Accessories (to be ordered separately)

PA tube, 1.5 m with socket union on one side, filled with grease  
order No. 995-001-197+BF5

Socket union, order No. 402-612

Tapered sleeve, order No. 402-611

Reinforced socket, order No. 402-603

### Order key

#### Design

**E T P**

Electro-thermic Pump

#### Number of lubrication points

**□**

2 = 2-digit: 1/3  
3 = 3-digit: 1/3/4  
4 = 4-digit: 1/2/3/4  
5 = 5-digit: 1/2/3/4/5



#### Level- and stroke indication

**□ □**

WZ = Indication for level- and stroke

optionally

#### Metering volume

**1 2 3 4 5**  
**□ □ □ □ □**

A = 20 mm<sup>3</sup>/stroke  
B = 15 mm<sup>3</sup>/stroke  
C = 10 mm<sup>3</sup>/stroke  
X = closed



#### Filling

**- □**

B = LGMT2 rolling bearing grease  
C = LGGB2 biodegradable grease  
D = LGFP2 food-compatible bearing grease  
Z = Grease on customer request

#### Voltage key

**+ 9 2 4**

+924 = 24 V DC

### Order example:

**ETP4-BBCBX-B+924**

Pump 4-digit, metering 15 mm<sup>3</sup>/stroke, 15 mm<sup>3</sup>/stroke, 10 mm<sup>3</sup>/stroke, 15 mm<sup>3</sup>/stroke, 1 outlet closed, filling with LGMT2 rolling bearing grease, operating voltage 24 V DC

### Technical data

Metering volume/outlet	15 mm <sup>3</sup> /stroke = B (standard) 10 mm <sup>3</sup> /stroke = C 20 mm <sup>3</sup> /stroke = A
Number of outlets	2, 3, 4 or 5
Max. back pressure	25 bars
Weight with full cartridge	0.36 kg
Operating voltage	24 V DC (+924)
Contact time	7 min
Min. interval time	30 min
Power input	24 W
Starting current, max.	1 A
Operating temperature	+15 °C to +40 °C
Storage temperature	-25 °C to +60 °C
Type of enclosure acc. EN 60529	IP55 with mounted connector
Lubricant	Grease, NLGI grades 000 to 2 (NLGI grade 3 on request)

#### Electrical connection

##### Without monitoring

Electrical connection ..... DIN EN 175301-803-A

##### With monitoring

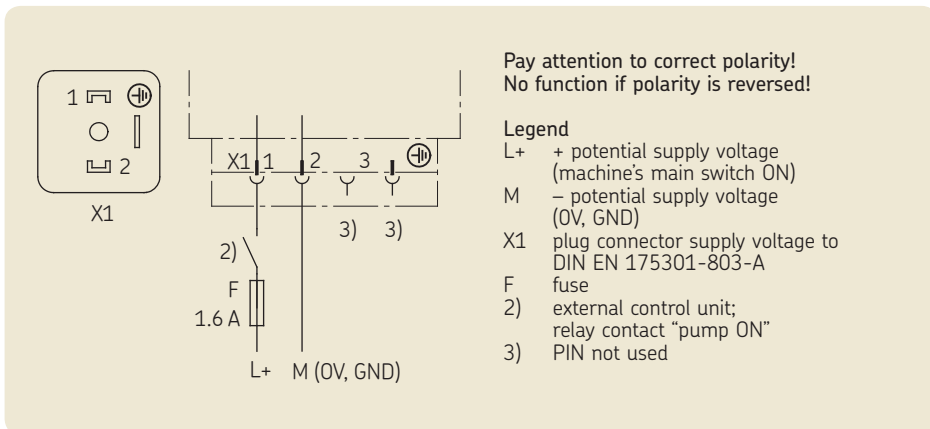
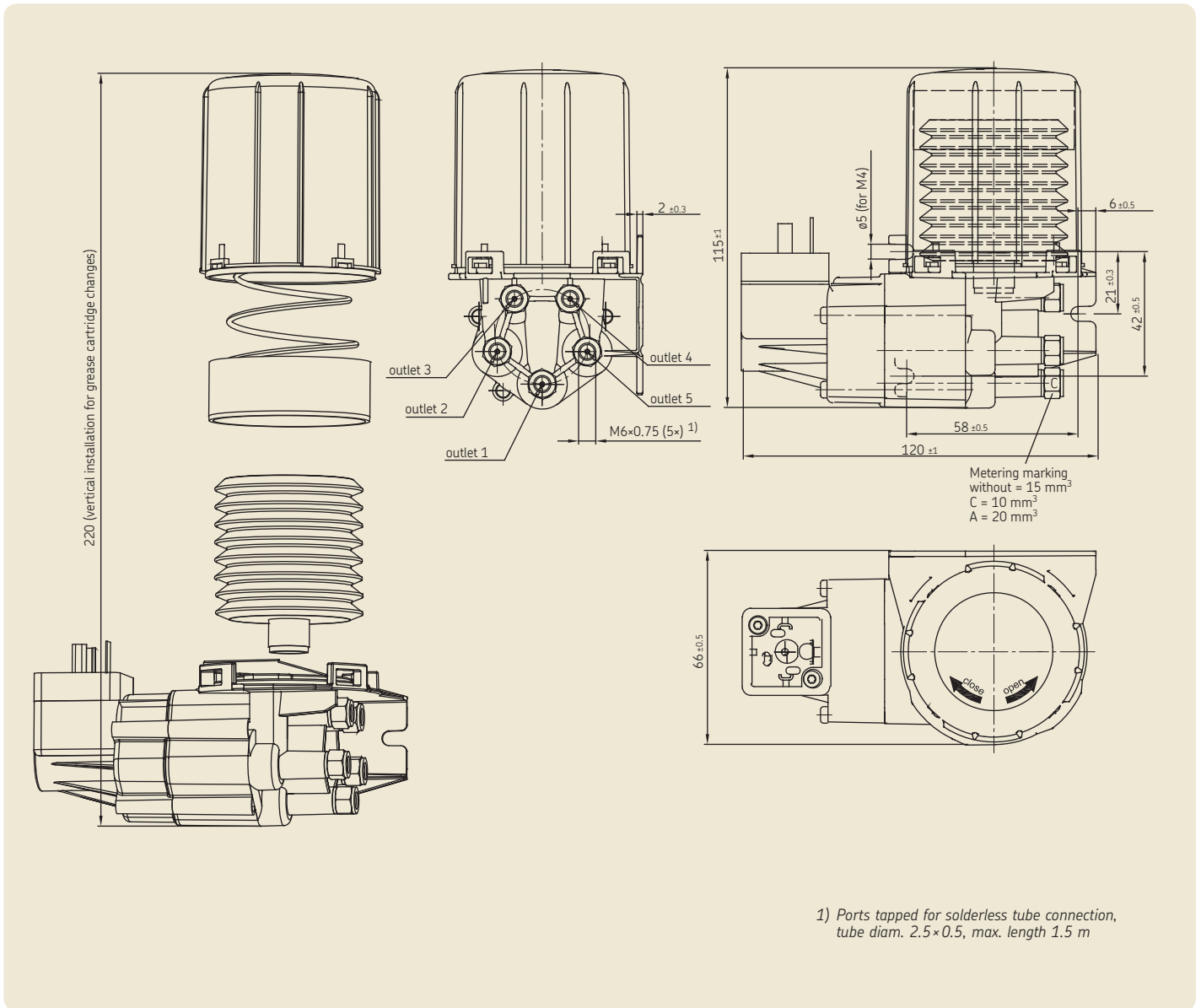
Electrical connection ..... M12×1

#### Level- and stroke indication

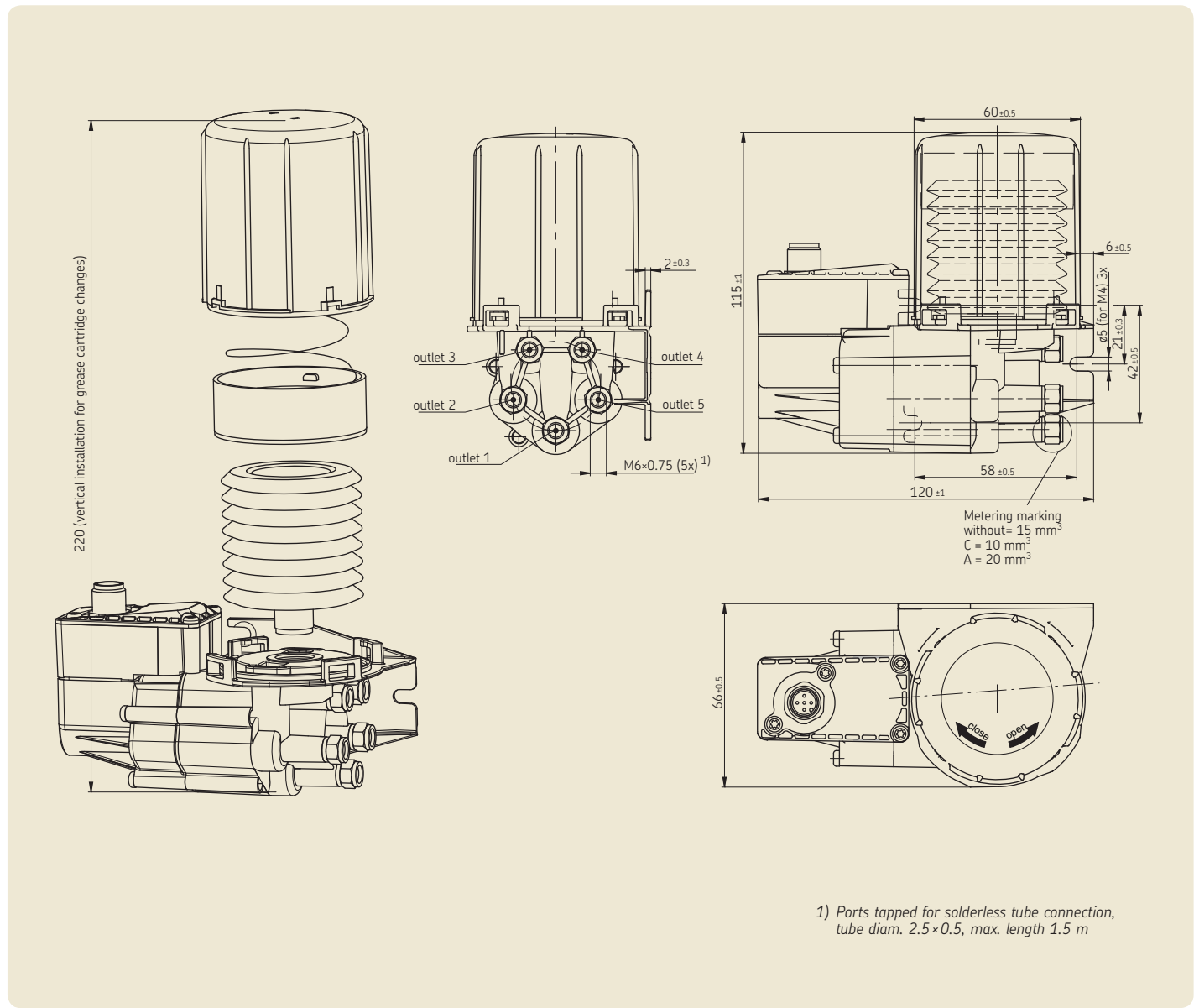
Max. switching current ..... 0.5 A

Max. breaking capacity ..... 10 VA

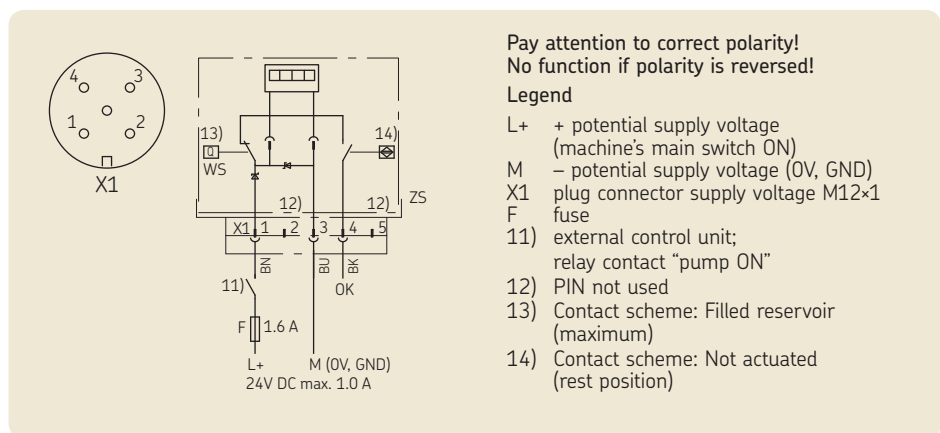
# ETP5.... without level indication



# ETP5WZ.... with level indication



1) Ports tapped for solderless tube connection, tube diam. 2.5×0.5, max. length 1.5 m







**Order No. 1-0988-EN**

Subject to change without notice! (07/2009)

**Important product usage information**

All products from SKF may be used only for their intended purpose as described in this brochure and in any instructions. If operating instructions are supplied with the products, they must be read and followed.

Not all lubricants are suitable for use in centralized lubrication systems.

SKF does offer an inspection service to test customer supplied lubricant to determine if it can be used in a centralized system. SKF lubrication systems or their components are not approved for use with gases, liquefied gases, pressurized gases in solution and fluids with a vapor pressure exceeding normal atmospheric pressure (1013 mbars) by more than 0.5 bar at their maximum permissible temperature.

Hazardous materials of any kind, especially the materials classified as hazardous by European Community Directive EC 67/548/EEC, Article 2, Par. 2, may only be used to fill SKF centralized lubrication systems and components and delivered and/or distributed with the same after consulting with and receiving written approval from SKF.

**Further brochures**

1-9201-EN Transport of Lubricants in Centralized Lubrication Systems

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[www.skf.com/lubrication](http://www.skf.com/lubrication)

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