



## **Data sheet**

## Hydraulic data

| Minimum efficiency index (MEI)                | ≥0.7   |
|---|--------|
| Maximum operating pressure PN                 | 16 bar |
| Min. fluid temperature $T_{\min}$             | -20 °C |
| Max. fluid temperature $T_{\rm max}$          | 140 °C |
| Min. ambient temperature $\mathcal{T}_{\min}$ | 0 °C   |
| Max. ambient temperature $T_{\rm max}$        | 50 °C  |

#### **Drive**

| Mains connection                      | 3~400 V, 50/60 Hz |
|---------------------------------------|-------------------|
| Number of poles                       | 4                 |
| Motor efficiency class                | IE5               |
| Power consumption $P_{1 \text{ max}}$ | 3100 W            |
| Rated power P <sub>2</sub>            | 3 kW              |
| Max current $I_{max}$                 | 4.7 A             |
| Emitted interference                  | EN 61800-3        |
| Interference resistance               | EN 61800-3        |
| Insulation class                      | F                 |
| Protection class motor                | IP55              |
| Motor protection                      | PTC integrated    |

### Materials

| Pump housing | Grey cast iron               |
|--------------|------------------------------|
| Impeller     | PPS-GF40                     |
| Shaft        | Stainless steel              |
| Shaft seal   | AQ1EGG                       |
| Lantern      | 5.1301/EN-GJL-250 KTL-coated |

## Approved liquids (other liquids upon request)

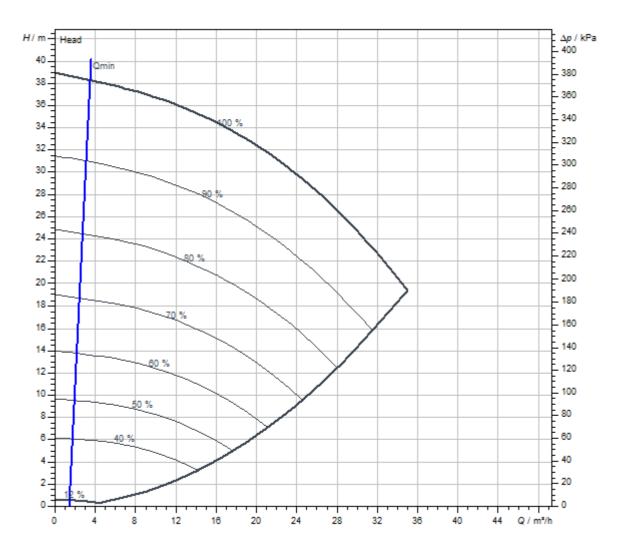
| Heating water (as per VDI 2035)  | yes                                  |
|--|--------------------------------------|
| Heat carrier oil   | Special version at additional charge |
| Cooling and cold water circulation systems                                     | yes                                  |
| Water-glycol mixtures (at 20 – 40 vol. % glycol and fluid temperature ≤ 40 °C) | yes                                  |

## **Installation dimensions**

| Port-to-port length <i>L0</i>                    | 280 mm |
|--|--------|
| Pipe connection on the suction side <i>DNs</i>   | DN 40  |
| Pipe connection on the discharge side <i>DNd</i> | DN 40  |



## **Pump curves**

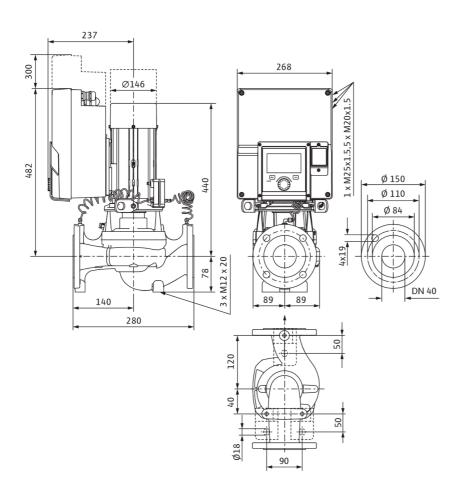


| Fluid media                                    | Water 100 % |
|--|-------------|
| Fluid temperature <i>T</i>                     | 20.00 °C    |
| speed at duty point <i>n hydr.</i> @ <i>OP</i> | 4,440 1/min |



# **Dimensions and dimensions drawings**

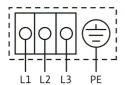
# Stratos GIGA2.0-I 40/1-37/3,0-R1

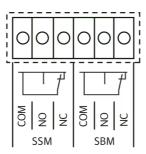


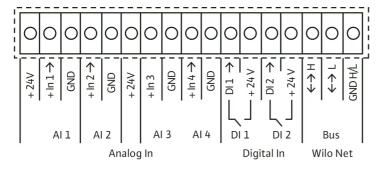


# Wiring diagram

## Wilo-Stratos GIGA2.0







Bezeichnung



#### **Tender text**

High-efficiency in-line pump with EC motor of energy efficiency class IE5 in accordance with IEC 60034-30-2, hydraulics with minimum efficiency index MEI  $\geq$  0.7 and electronic power adjustment with a glanded pump design. The pump is configured as a single-stage low-pressure centrifugal pump with flange connection and mechanical seal. The **Stratos GIGA2.0-I** has been predominantly designed for pumping heating water (acc. to VDI 2035), chilled water and water-glycol mixtures without abrasive substances in heating, air-conditioning and cooling systems.

#### Design ...-R1:

- > Single-stage low-pressure centrifugal pump with one-piece shaft in monobloc design
- > Spiral housing in in-line design (suction and discharge ports with the same flanges in a line)
- > PN 16 flange in accordance with EN 1092-2
- > Pressure measuring connections (R 1/8) for retrofitting of a differential pressure sensor (version ...-R1 without differential pressure sensor)
- > Pump housing and motor flange with cataphoretic coating as standard
- > Mechanical seal for pumping water up to Tmax. = +140 °C. A glycol admixture of 20 % to +40 % by volume is permitted up to T ≤ +40 °C. An alternative mechanical seal must be provided in water-glycol mixtures with glycol proportions > 40 % up to max. 50 % by volume and a fluid temperature of > +40 °C up to max. +120 °C or fluids other than water. When using water-glycol mixtures, the use of an S1 variant with a corresponding mechanical seal is generally recommended.
- > Connection voltages:
  - > 3~440 V ±10% 50/60 Hz; 3~400 V ±10% 50/60 Hz; 3~380 V -5% +10% 50/60 Hz
- > Version M-: 1~220 V 240 V (±10%), 50/60 Hz
- > Compliance with electromagnetic compatibility without additional measures
  - > Interference emission for residential environment according to EN 61800-3:2018
  - > Interference immunity for industrial environments according to EN 61800-3:2018

#### **Control modes:**

- > Constant speed (n-const.)
- > Constant temperature (T-const.)
- > Constant differential temperature (dT-const.)
- > User-defined PID control
- > Only possible with differential pressure sensor:
  - Permanent, automatic power adjustment to system requirements without setpoint specification Wilo Dynamic Adapt plus (factory setting).
  - > Needs-based volume flow optimisation of the feeder pump through connectivity and communication between multiple secondary pumps (Multi-Flow Adaptation).
  - > Constant volume flow (Q-const.)
- > Variable differential pressure (dp-v) with the option to set the nominal duty point Q and H
- > Constant differential pressure (dp-c)
- > Differential pressure control (dp-c) to a remote point in the pipe network (index circuit evaluator)

#### **Functions:**

- > Selection of the field of application in the **setting** assistant
- > Operating modes of twin-head pump: Main/standby operation
- > Switchover between heating and cooling mode (automatic, external or manual)
- Ability to save and restore configured pump settings (3 restoration points)
- > Fault and warning messages shown in plain text with advice on resolving the issue
- > Integrated full motor protection
- > Only possible with differential pressure sensor:
- > Heat quantity measurement
- > Cooling quantity measurement
- > Adjustable volume flow limiter using the Q-Limit function ( $Q_{min.}$  and  $Q_{max.}$ )
- > Pump automatically deactivates when no flow is detected (No-Flow Stop)
- > Efficiency-optimised **parallel operation** for dp-c and dp-v

# Display in the "Home screen" of the graphic display:

- > Control mode currently set
- > Current setpoint
- > Current volume flow (only if a differential pressure sensor is connected)
- > Current fluid temperature (only if temperature sensor is connected)
- > Current power consumption
- > Cumulative electric consumption



#### Version:

- > 4 configurable analogue inputs: 0-10 V, 2-10 V, 0-20 mA, 4-20 mA and commercially available PT1000 (only on two analogue inputs); +24 V DC power supply
- > 2 configurable **digital inputs** (Ext. OFF, Ext. Min, Ext. Max, heating/cooling, manual override (uncoupled from building automation), operation lock (key lock and remote operation configuration protection))
- > 2 configurable signal relays for run signals and fault messages
- Slot for Wilo-CIF modules with interfaces for building automation (BA) (optional accessories: CIF modules Modbus RTU, BACnet MS/TP, LON, PLR, CAN)
- > **Wilo Net** as a Wilo system bus for communication between Wilo products, e.g. Multi-Flow Adaptation; dual-pump operation
- > **Automatic emergency operation** with definable pump speed for exceptional circumstances, e.g. bus communication or sensor value malfunction
- > Rotatable, graphic colour display (4.3 inches) with one button manual operation level
- > **Bluetooth interface** via Wilo-Smart Connect module RT
- Use the Wilo-Assistant app to read and set operating data and -among other things- set up a commissioning protocol through the Bluetooth interface
- > Integrated dual-pump management (twin-head pumps are prewired) when using 2 single pumps as two-pump unit (connection via Wilo Net)
- > Cable break detection when using an analogue signal (in connection with 2 – 10 V or 4 – 20 mA)
- > **Time stamp** for error/warnings and historical operating data
- > Continuous operating data memory
- > Standard condensate drainage holes in the motor housing (closed upon delivery)
- > Air vent valve on the lantern

#### **Operating Data**

| Min. fluid temperature $T_{\min}$             | -20 °C |
|---|--------|
| Max. fluid temperature $T_{\rm max}$          | 140 °C |
| Min. ambient temperature $\mathcal{T}_{\min}$ | 0 °C   |
| Max. ambient temperature $T_{\rm max}$        | 50 °C  |
| Maximum operating pressure PN                 | 16 bar |
| Minimum efficiency index (MEI)                | ≥0.7   |

#### Scope of delivery:

- > Pump
- > Wilo-Smart Connect module BT
- > Threaded cable glands with sealing inserts
- > Installation and operating instructions and declaration of conformity

#### **Accessories** must be ordered separately:

3 mounting brackets with fixation material for installation on a base

- > Blind flanges for twin-head pump housing
- > Installation aid for mechanical seal (incl. mounting bolts)
- > For connection to building automation:
  - > CIF module PLR
  - > CIF module LON
  - > CIF module BACnet MS/TP
  - > CIF module Modbus RTU
  - > CIF module CANopen
  - > CIF module Ethernet Multi-protocol (Modbus TCP, BACnet/IP)
  - > Connection M12 RJ45 CIF Ethernet
- > Differential pressure sensor DPS 2 ... 10 V
- > Differential pressure sensor DPS 4 ... 20 mA
- > Temperature sensor PT1000 AA
- > Sensor sleeves for the installation of temperature sensors in the pipe



## Drive

| Mains connection                      | 3~400 V, 50/60 Hz |
|---------------------------------------|-------------------|
| Motor efficiency class                | IE5               |
| Power consumption $P_{1 \text{ max}}$ | 3100 W            |
| Rated power P <sub>2</sub>            | 3 kW              |
| Max current $I_{\text{max}}$          | 4.7 A             |
| Max. speed $n_{\text{max}}$           | 4440 1/min        |
| Emitted interference                  | EN 61800-3        |
| Interference resistance               | EN 61800-3        |
| Insulation class                      | F                 |
| Protection class motor                | IP55              |
| Motor protection                      | PTC integrated    |

## Materials

| Pump housing | Grey cast iron               |
|--------------|------------------------------|
| Impeller     | PPS-GF40                     |
| Shaft        | Stainless steel              |
| Shaft seal   | AQ1EGG                       |
| Lantern      | 5.1301/EN-GJL-250 KTL-coated |

## **Installation dimensions**

| Pipe connection on the suction side <i>DNs</i>   | DN 40  |
|--|--------|
| Pipe connection on the discharge side <i>DNd</i> | DN 40  |
| Port-to-port length <i>L0</i>                    | 280 mm |

# Ordering information

| Brand                        | Wilo                             |
|------------------------------|----------------------------------|
| Product description          | Stratos GIGA2.0-I 40/1-37/3,0-R1 |
| Net weight, approx. <i>m</i> | 35 kg                            |
| Article number               | 2204854 🔼                        |



# **Installation type**

# Continuous, infinitely variable control, differential pressure-sensitive CCe-HVAC system

| CCe-HVAC system   |                    |
|---|--------------------|
| CCe-HVAC system 1 x 1.5   | 2536670            |
| CCe-HVAC system 2 x 1.5   | 2536671            |
| CCe-HVAC system 3 x 1.5   | 2536672            |
| CCe-HVAC system 4 x 1.5   | 2536673            |
| CCe-HVAC system 5 x 1.5   | 2536674            |
| CCe-HVAC system 6 x 1.5   | 2536675            |
| Antenna GSM/GPRS  |                    |
| D-network dual-band antenna with 3 m cable                      | 2533862            |
| D-network tri-band antenna 10 m cable                           | 2533863            |
| D-network tri-band antenna 15 m cable                           | 2533864            |
| Outdoor temperature sensor Pt 100                               |                    |
| Outdoor temperature sensor Pt 100                               | 2533772            |
| DDG impulse selector  |                    |
| DDG impulse selector  | 2533770            |
| BMS base module   |                    |
| BMS base module   | 2533800            |
| Shis base module  | 2333000            |
| CC communication module BACnet                                  |                    |
| CC-communication module BACnet IP (slave)                       | 2537051            |
| CC-communication module BACnet MS/TP (slave)                    | 2537050            |
| Communication module LON  |                    |
| Communication module LON  | 2533868            |
| Communication module ModBus                                     |                    |
| Communication module Modbus RTU                                 | 2533869            |
|   |                    |
| Communication module Profibus                                   |                    |
| Communication module Profibus  Communication module Profibus DP | 2533866            |
|   | 2533866            |
| Communication module Profibus DP                                | 2533866<br>2533850 |



| Comm | unication | module | GSM |
|------|-----------|--------|-----|
|      |           |        |     |

| Communication module GSM  | 252224  |
|---|---|
| GSM module  | 2533861   |
| ump signalling module   |   |
| Signalling module pump 1-2  | 2533812   |
| Signalling module pump 3-6  | 2533836   |
| Signal converter retrofit kit   |   |
| Signal converter 0-10 V / 0-20 mA   | 2534992   |
| Connection cable control modules/signalling modules   |   |
| Control modules connecting cable  | 2533790   |
| Signalling modules connecting cable   | 2533890   |
| DDG transducer  |   |
| DDG transducer  | 50177199  |
| Ne  |   |
| DDG power supply unit   |   |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit   | 2166098   |
| DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  | 2166098   |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  | 2166098   |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCE-HVAC system   | 2166098<br>It CCe-HVAC system   |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  | 2166098<br>It CCe-HVAC system   |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5   | 2166098<br>2166098<br>2536670<br>2536671  |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit   | 2166098  It CCe-HVAC system  2536670 2536671                                    |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 4 x 1.5   | 2166098  2166098  2166098  2536670  2536674  2536674                            |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 4 x 1.5  CCe-HVAC system 5 x 1.5  | 2166098  2166098  2536670  2536670  2536673  2536674                            |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 4 x 1.5  CCe-HVAC system 5 x 1.5  CCe-HVAC system 5 x 1.5  CCe-HVAC system 6 x 1.5  | 2166098  2166098  2536670  2536670  2536673  2536674                            |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 4 x 1.5  CCe-HVAC system 5 x 1.5  CCe-HVAC system 6 x 1.5  CCe-HVAC system 6 x 1.5  Antenna GSM/GPRS  | 2166098  2166098  2536670  2536672  2536675                                     |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 5 x 1.5  CCe-HVAC system 6 x 1.5  CCe-HVAC system 6 x 1.5  Antenna GSM/GPRS  D-network dual-band antenna with 3 m cable   | 2166098  It CCe-HVAC system  2536670 2536671 2536673                            |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  CCe-HVAC system 5 x 1.5  CCe-HVAC system 6 x 1.5 | 2166098  2166098  2536670  2536670  2536672  2536673  2536675  2538674  2538674 |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependen  CCe-HVAC system  CCe-HVAC system 1 x 1.5  CCe-HVAC system 2 x 1.5  CCe-HVAC system 3 x 1.5  | 2166098  2166098  2536670  2536670  2536672  2536674  2536675                   |



| BMS base module   | 2533800               |
|---|-----------------------|
| CC communication module BACnet                                      |                       |
| CC-communication module BACnet IP (slave)                           | 2537051               |
| CC-communication module BACnet MS/TP (slave)                        | 2537050               |
| Communication module LON  |                       |
| Communication module LON  | 2533868               |
| Communication module ModBus   |                       |
| Communication module Modbus RTU                                     | 2533869               |
| Communication module Profibus                                       |                       |
| Communication module Profibus DP                                    | 2533866               |
| Communication module CC   |                       |
| CC communication module   | 2533850               |
| Communication module GSM  |                       |
| GSM module  | 2533861               |
| Pump signalling module  |                       |
| Signalling module pump 1-2  | 2533812               |
| Signalling module pump 3-6  | 2533836               |
| Signal converter retrofit kit                                       |                       |
| Signal converter 0-10 V / 0-20 mA                                   | 2534992               |
| Temperature module  |                       |
| Temperature module for systems with 1-3 pumps                       | 2534991               |
| Temperature module for systems with 4-6 pumps                       | 2533771               |
| Connection cable control modules/signalling modules                 |                       |
| Control modules connecting cable                                    | 2533790               |
| Signalling modules connecting cable                                 | 2533890               |
| Continuous, infinitely variable control, differential pressure-sens | itive SCe-HVAC system |
| SCe-HVAC system   |                       |
| SCe-HVAC system 1x10A-WM  | 2545254               |
| SCe-HVAC system 2x10A-WM  | 2545255               |
| SCe-HVAC system 3x10A-WM  | 2545256               |



| Denetwork tri-band antenna 16 m cable 55386  Denetwork tri-band antenna 16 m cable 55386  Dutdoor temperature sensor Pt 100  Outdoor temperature sensor Pt 100  Outdoor temperature sensor Pt 100  Dog impulse selector 523377  Communication module LON (SC) 53397  Communication module LON (SC) 55397  Communication module BACnet MS/TP (slave) 53397  SC communication module BACnet MS/TP (slave) 53397  Communication module GSM (SC) 53497  SS communication module GSM (SC) 53497  Communication module GSM (SC) 53497  Dog impulse selector 53497  Communication module GSM (SC) 54221  Communication module GSM (SC) 54221  Dog impulse selector 54497  Dog impulse selector 54597  Dog impulse 54597  Dog im | SCe-HVAC system 4x10A-WM  | 2545257   |
|--|---|-----------|
| Denetwork dual-hand antenna vimit 3 m cable 25386 Denetwork tri-hand antenna vimit 3 m cable 25386 Denetwork tri-hand antenna 15 m cable 25386 Denetwork tri-hand antenna 15 m cable 25386 Dutdoor temperature sensor Pt 100 Dutdoor temperature sensor for Y-piece application   | Antenna GSM/GPRS  |           |
| Ductdoor temperature sensor Pt 100  Ductdoor temperature sensor Pt 100  Did impulse selector  Did impulse selector  Dog impulse selector  Communication module LON (SC)  Communication module BACnet  SC communication module GSM (SC)  Communicatio | D-network dual-band antenna with 3 m cable                                    | 2533862   |
| Ductdoor temperature sensor Pt 100  DDG impulse selector  DDG impulse selector  DDG impulse selector  Communication module LON (SC)  Communication module BACnet  SC communication module BACnet  SC communication module BACnet  SC communication module BACnet  SC communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  Sequal ling module pump 3-2  Signal ling module pump 3-2  Signal ling module pump 3-4  SC CHVAC signal board  SC CHVAC signal board  DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SC-HVAC system b-100-WM   | D-network tri-band antenna 10 m cable   | 2533863   |
| Outdoor temperature sensor Pt 100  DDG impulse selector  Communication module LON (SC)  Communication module BACnet  SC communication module BACnet  SC communication module BACnet MS/TP (slave)  Communication module BACnet MS/TP (slave)  Communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Z5384  Communication module GSM (SC)  Z5384  Communication module GSM (SC)  Z5384  Z | D-network tri-band antenna 15 m cable   | 2533864   |
| DDG impulse selector  Communication module LON (SC)  Communication module BACnet  SC communication module BACnet  SC communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Communication module BACnet MS/TP (slave)  Communication modul | Outdoor temperature sensor Pt 100   |           |
| DDG impulse selector  Communication module LON (SC)  Communication module LON (SC)  Communication module BACnet MS/TP (slave)  Communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  CS-CHVAC signal board  SC-HVAC signal board  CS-HVAC signal board  DDG transducer  DDG transducer  DDG transducer  DDG gower supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCE-HVAC system 1x10A-WM   | Outdoor temperature sensor Pt 100   | 2533772   |
| Communication module LON (SC)  Communication module BACnet SC-communication module BACnet MS/TP (slave)  Communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  Control pump Signal board  Control pump Signal board  Control pump Signal board  SC-HVAC signal board  SC-HVAC signal board  Control pump Signal board  SC-HVAC signal board  Control pump Signal board  SC-HVAC signal pump Signal board  Control pump Signal board  SC-HVAC signal board  Control pump Signal board  SC-HVAC signal board  SC-HVAC signal board  SC-HVAC signal board  SC-HVAC system Signal board  Control pump Signal board  SC-HVAC system Signal b | DDG impulse selector  |           |
| Communication module BACnet  SC-communication module BACnet MS/TP (slave)  Communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  CC-HVAC signal board  SC-HVAC signal board  CC-HVAC signal board  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system 1x10A-WM  25525  | DDG impulse selector  | 2533770   |
| SC communication module BACnet MS/TP (stave)  Communication module GSM (SC)  Communication module GSM (SC)  Communication module GSM (SC)  254221  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  SC-HVAC signal board  211960  DDG transducer  DDG transducer  DDG transducer  DDG gower supply unit  SOB power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCE-HVAC system 1x10A-WM  25655   | Communication module LON (SC)   |           |
| SC-communication module BACnet MS/TP (slave)  Communication module GSM (SC)  Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  SOBG transducer  DDG transducer  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system tx10A-WM  254525   | Communication module LON (SC)   | 2538243   |
| Communication module GSM (SC)  Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  SC-HVAC signal board  SC-HVAC signal board  211964  DDG transducer  DDG transducer  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension kit differential pressure sensor for Y-piece application  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCE-HVAC system 1x10A-WM  | SC communication module BACnet  |           |
| Communication module GSM (SC)  Pump signalling module  Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  SC-HVAC signal board  DDG transducer  DDG transducer  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCE-HVAC system  SCE-HVAC system 1x10A-WM  254223   | SC-communication module BACnet MS/TP (slave)                                  | 2538242   |
| Pump signalling module pump 1-2 253381 Signalling module pump 3-6 253383 SC-HVAC signal board 211964 DDG transducer DDG transducer 5017719 DDG power supply unit 5018652 Extension kit differential pressure sensor for Y-piece application Extension for DDG-kit 216698 COntinuous, infinitely variable control, temperature-dependent SCe-HVAC system SCE-HVAC system 1x10A-WM 254525  | Communication module GSM (SC)   |           |
| Signalling module pump 1-2  Signalling module pump 3-6  SC-HVAC signal board  SC-HVAC signal board  211964  DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  254525   | Communication module GSM (SC)   | 2542216   |
| Signalling module pump 3-6  SC-HVAC signal board  SC-HVAC signal board  211964  DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM   | Pump signalling module  |           |
| SC-HVAC signal board  SC-HVAC signal board  211964  DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  254525   | Signalling module pump 1-2  | 2533812   |
| DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM   | Signalling module pump 3-6  | 2533836   |
| DDG transducer  DDG transducer  DDG power supply unit  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  254525   | SC-HVAC signal board  |           |
| DDG transducer  DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  | SC-HVAC signal board  | 2119646   |
| DDG power supply unit  Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system 1x10A-WM  254525   | DDG transducer  |           |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM   | DDG transducer  | 501771990 |
| Extension kit differential pressure sensor for Y-piece application  Extension for DDG-kit  Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM   | DDG power supply unit   |           |
| Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  | DDG power supply unit   | 501865293 |
| Continuous, infinitely variable control, temperature-dependent SCe-HVAC system  SCe-HVAC system  SCe-HVAC system 1x10A-WM  | Extension kit differential pressure sensor for Y-piece application            |           |
| SCe-HVAC system  SCe-HVAC system 1x10A-WM  254525  | Extension for DDG-kit   | 2166098   |
| SCe-HVAC system 1x10A-WM 254525  | Continuous, infinitely variable control, temperature-dependent SCe-HVAC syste | m         |
|  | SCe-HVAC system   |           |
| SCe-HVAC system 2x10A-WM   | SCe-HVAC system 1x10A-WM  | 2545254   |
|  | SCe-HVAC system 2x10A-WM  | 2545255   |



| SCe-HVAC system 3x10A-WM                     | 2545256 |
|--|---------|
| SCe-HVAC system 4x10A-WM                     | 2545257 |
| Antenna GSM/GPRS                             |         |
| D-network dual-band antenna with 3 m cable   | 2533862 |
| D-network tri-band antenna 10 m cable        | 2533863 |
| D-network tri-band antenna 15 m cable        | 2533864 |
| Outdoor temperature sensor Pt 100            |         |
| Outdoor temperature sensor Pt 100            | 2533772 |
| Communication module LON (SC)                |         |
| Communication module LON (SC)                | 2538243 |
| SC communication module BACnet               |         |
| SC-communication module BACnet MS/TP (slave) | 2538242 |
| Communication module GSM (SC)                |         |
| Communication module GSM (SC)                | 2542216 |
| Pump signalling module                       |         |
| Signalling module pump 1-2                   | 2533812 |
| Signalling module pump 3-6                   | 2533836 |
| SC-HVAC signal board                         |         |
| SC-HVAC signal board                         | 2119646 |