

## Data sheet

## Hydraulic data

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Maximum operating pressure $P_N$                       | 10 bar              |
| Min. fluid temperature for HVAC applications $T_{min}$ | 0 °C                |
| Max. fluid temperature for HVAC $T$                    | 80 °C               |
| Min. ambient temperature $T_{min}$                     | 0 °C                |
| Max. ambient temperature $T_{max}$                     | 40 °C               |
| Max. permitted total water hardness                    | 3.57 mmol/l (20°dH) |

## Motor data

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Energy efficiency index (EEI) | 0,19                                                 |
| Mains connection              | 1~230 V, 50/60 Hz                                    |
| Rated power $P_2$             | 0,23 kW                                              |
| Rated current $I_N$           | 1,2 A                                                |
| Min. speed $n_{min}$          | 750 1/min                                            |
| Max. speed $n_{max}$          | 3750 1/min                                           |
| Power consumption $P_{1 min}$ | 7 W                                                  |
| Power consumption $P_{1 max}$ | 280 W                                                |
| Interference emission         | EN 61800-3;2004+A1;2012 /residential area (C1)       |
| Interference immunity         | EN 61800-3;2004+A1;2012 /industrial environment (C2) |
| Speed control                 | Frequency converter                                  |
| Insulation class              | F                                                    |
| Protection class motor        | IPX4D                                                |
| Motor protection              | Internal protection<br>overheating and overcurrent   |

## Materials

|              |                    |
|--------------|--------------------|
| Pump housing | Stainless steel    |
| Impeller     | PPS-GF40           |
| Shaft        | 1.4122, DLC-coated |
| Bearing      | Carbon-graphite    |

## Installation dimensions

|                                            |        |
|--------------------------------------------|--------|
| Pipe connection on the suction side $DNs$  | DN 40  |
| Pipe connection on the pressure side $DNd$ | DN 40  |
| Port-to-port length $LO$                   | 220 mm |